From World Development Indicators 54159 The Little Data Book on Information and Communication Technology

- **Economic and social context**
- Structure
- **Efficiency and capacity**
- Performance

Access

- Usage
- Quality
- Affordability
- Trade
- Applications





2009 THE LITTLE DATA BOOK ON INFORMATION AND COMMUNICATION TECHNOLOGY



THE WORLD BANK

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Preface

The last 15 years have brought an unprecedented increase in access to telephone services. This growth has been driven primarily by wireless technologies and liberalization of telecommunications markets. Mobile communications evolved from simple voice and text services to diversified applications and now reach more than 4 billion people globally, including people in remote and rural areas. The number of Internet users more than tripled between 2000 and 2007, and the demand for broadband connection is rising.

The impacts of information and communication technologies cross all sectors. Research shows that investment in information and communication technologies is associated with such economic benefits as higher productivity, lower costs, new economic opportunities, job creation, innovation, and increased trade and exports. Information and communication technologies also help provide better services in health and education and strengthen social cohesion.

The Little Data Book on Information and Communication Technology 2009 charts the progress of this revolution for 209 countries around the world. It provides comparable statistics on the sector for 2000 and 2007 across a range of indicators, enabling readers to readily compare countries.

This book includes indicators covering the economic and social context, the structure of the information and communication technology sector, sector efficiency and capacity, and sector performance related to access, usage, quality, affordability, trade, and applications. The *Glossary* contains definitions of the terms used in the tables.

For more information about these data or other World Bank data publications, visit our data Web site at www.worldbank.org/data or the Web site of the Global Information and Communication Technologies Department at www.worldbank.org/ict or call our data hotline at 800.590.1906 or 202.473.7824.

Data notes

The data in this book are for 2000 and 2007 or the most recent year unless otherwise noted in the table or the *Glossary*.

- Growth rates are proportional changes from the previous year unless otherwise noted.
- Regional aggregates include data for low- and middle-income economies only.
- Italics indicate data for years or periods other than those specified.

Symbols used:

- .. indicates that data are not available or that aggregates cannot be calculated because of missing data.
- **0 or 0.0** indicates zero or small enough that the number would round to zero at the displayed number of decimal places.
 - \$ indicates current U.S. dollars.

Data are shown for economies with populations greater than 30,000 or for smaller economies if they are members of the World Bank. The term *country* (used interchangeably with *economy*) does not imply political independence or official recognition by the World Bank but refers to any economy for which the authorities report separate social or economic statistics.

Regional tables

The country composition of regions is based on the World Bank's analytical regions and may differ from common geographic usage.

East Asia and Pacific

American Samoa, Cambodia, China, Fiji, Indonesia, Kiribati, Democratic Republic of Korea, Lao People's Democratic Republic, Malaysia, Marshall Islands, Federated States of Micronesia, Mongolia, Myanmar, Palau, Papua New Guinea, Philippines, Samoa, Solomon Islands, Thailand, Timor-Leste, Tonga, Vanuatu, Vietnam

Europe and Central Asia

Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Georgia, Kazakhstan, Kyrgyz Republic, Latvia, Lithuania, Former Yugoslav Republic of Macedonia, Moldova, Montenegro, Poland, Romania, Russian Federation, Serbia, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan

Latin America and the Caribbean

Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Suriname, Uruguay, Bolivarian Republic of Venezuela

Middle East and North Africa

Algeria, Djibouti, Arab Republic of Egypt, Islamic Republic of Iran, Iraq, Jordan, Lebanon, Libya, Morocco, Syrian Arab Republic, Tunisia, West Bank and Gaza, Republic of Yemen

South Asia

Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka

Sub-Saharan Africa

Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Democratic Republic of the Congo, Republic of Congo, Côte d'Ivoire, Eritrea, Ethiopia, Gabon, The Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mayotte, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Principe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe

World

	2000	2007
Economic and social context		
Population (millions)	6,073	6,610
Urban population (% of total)	47	50
GNI per capita, World Bank Atlas method (\$)	5,267	7,995
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.2	3.2
Adult literacy rate (% ages 15 and older)	82	84
Gross primary, secondary, and tertiary enrollment (%)	64	68
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.9	3.2
Mobile and fixed-line subscribers per employee	157	664
Telecommunications investment (% of revenue)	26.7	18.8
Performance		
Access		
Telephone lines (per 100 people)	16.1	19.6
Mobile cellular subscriptions (per 100 people)	12.2	51.2
Internet subscribers (per 100 people)	2.3	7.7
Personal computers (per 100 people)	8.0	15.3
Households with a television (%)	79	89
Usage		
International voice traffic (minutes per person per month)	3.2	
Mobile telephone usage (minutes per user per month)	195	283
Internet users (per 100 people)	6.7	21.8
Quality		
Population covered by mobile cellular network (%)		80
Fixed broadband subscribers (% of total Internet subscribers)	15.7	55.0
International Internet bandwidth (bits per second per person)	102	3,297
Affordability		
Price basket for residential fixed line (\$ a month)	10.2	9.7
Price basket for mobile service (\$ a month)		10.4
Price basket for Internet service (\$ a month)		21.8
Price of call to United States (\$ for 3 minutes)	3.01	1.42
Trade		
ICT goods exports (% of total goods exports)	18.1	15.4
ICT goods imports (% of total goods imports)	17.9	15.2
ICT service exports (% of total service exports)	5.6	6.7
Applications		o -
ICT expenditure (% of GDP)		6.5
E-gov't Web measure index (0–1, 1=highest presence)		0.32
Secure Internet servers (per million people)	21.8	111.5

East Asia & Pacific

	2000	2007
Economic and social context		
Population (millions)	1,804	1,912
Urban population (% of total)	37	43
GNI per capita, World Bank Atlas method (\$)	908	2,182
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	6.0	9.0
Adult literacy rate (% ages 15 and older)	91	93
Gross primary, secondary, and tertiary enrollment (%)	66	69
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	3.0	3.0
Mobile and fixed-line subscribers per employee	151	546
Telecommunications investment (% of revenue)	30.7	
Performance		
Access		
Telephone lines (per 100 people)	9.3	23.1
Mobile cellular subscriptions (per 100 people)	5.8	43.7
Internet subscribers (per 100 people)	0.7	9.3
Personal computers (per 100 people)	1.6	5.6
Households with a television (%)	53	53
Usage		
International voice traffic (minutes per person per month)	0.5	0.8
Mobile telephone usage (minutes per user per month)	247	333
Internet users (per 100 people) Quality	1.9	14.6
Population covered by mobile cellular network (%)		93
Fixed broadband subscribers (% of total Internet subscribers)	0.2	41.8
International Internet bandwidth (bits per second per person)	2	247
Affordability	2	271
Price basket for residential fixed line (\$ a month)	6.9	5.8
Price basket for mobile service (\$ a month)		5.0
Price basket for Internet service (\$ a month)		14.4
Price of call to United States (\$ for 3 minutes)	4.32	1.16
Trade		
ICT goods exports (% of total goods exports)	30.4	30.9
ICT goods imports (% of total goods imports)	27.3	28.1
ICT service exports (% of total service exports)	4.7	5.2
Applications ICT expenditure (% of GDP)		7.3
E-gov't Web measure index (0-1, 1=highest presence)		0.18
Secure Internet servers (per million people)	0.3	1.9

Europe & Central Asia

	2000	2007
Economic and social context		
Population (millions)	444	446
Urban population (% of total)	63	64
GNI per capita, World Bank Atlas method (\$)	2,037	6,052
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.7	6.1
Adult literacy rate (% ages 15 and older)	97	98
Gross primary, secondary, and tertiary enrollment (%)		82
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.9	2.9
Mobile and fixed-line subscribers per employee	101	532
Telecommunications investment (% of revenue)	24.2	22.0
Performance		
Access		
Telephone lines (per 100 people)	21.6	25.7
Mobile cellular subscriptions (per 100 people)	7.8	95.0
Internet subscribers (per 100 people)	1.0	13.6
Personal computers (per 100 people)	4.9	10.6
Households with a television (%)	87	96
Usage		
International voice traffic (minutes per person per month)	2.8	
Mobile telephone usage (minutes per user per month)	85	154
Internet users (per 100 people)	2.6	21.4
Quality		00
Population covered by mobile cellular network (%)		92
Fixed broadband subscribers (% of total Internet subscribers)	4.0	32.5
International Internet bandwidth (bits per second per person) Affordability	12	1,114
Price basket for residential fixed line (\$ a month)	8.6	5.8
Price basket for mobile service (\$ a month)		11.8
Price basket for Internet service (\$ a month)		12.0
Price of call to United States (\$ for 3 minutes)	3.19	1.63
Trade	0120	1.00
ICT goods exports (% of total goods exports)	2.1	1.8
ICT goods imports (% of total goods imports)	8.6	7.0
ICT service exports (% of total service exports)	4.0	5.0
Applications		
ICT expenditure (% of GDP)		5.0
E-gov't Web measure index (0–1, 1=highest presence)		0.36
Secure Internet servers (per million people)	2.8	23.9

Latin America & Caribbean

	2000	2007
Economic and social context		
Population (millions)	512	561
Urban population (% of total)	75	78
GNI per capita, World Bank Atlas method (\$)	3,788	5,801
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.0	3.6
Adult literacy rate (% ages 15 and older)	90	91
Gross primary, secondary, and tertiary enrollment (%)	79	81
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	3.0	3.8
Mobile and fixed-line subscribers per employee	244	530
Telecommunications investment (% of revenue)	26.3	
Performance		
Access		
Telephone lines (per 100 people)	14.5	18.1
Mobile cellular subscriptions (per 100 people)	12.1	67.0
Internet subscribers (per 100 people)	1.3	4.5
Personal computers (per 100 people)	4.9	11.3
Households with a television (%)	77	84
Usage		
International voice traffic (minutes per person per month)	3.0	
Mobile telephone usage (minutes per user per month)	127	116
Internet users (per 100 people) Quality	3.8	26.9
Population covered by mobile cellular network (%)		91
Fixed broadband subscribers (% of total Internet subscribers)	 3.0	81.7
	3.0	1,126
International Internet bandwidth (bits per second per person) Affordability	0	1,120
Price basket for residential fixed line (\$ a month)	15.7	9.5
Price basket for mobile service (\$ a month)		10.4
Price basket for Internet service (\$ a month)		25.7
Price of call to United States (\$ for 3 minutes)	2.46	1.21
Trade		
ICT goods exports (% of total goods exports)	12.4	11.4
ICT goods imports (% of total goods imports)	16.6	15.9
ICT service exports (% of total service exports)	6.5	4.7
Applications ICT expenditure (% of GDP)		4.9
E-gov't Web measure index (0–1, 1=highest presence)		0.44
Secure Internet servers (per million people)	4.0	18.2
	4.0	10.2

Middle East & North Africa

	2000	2007
Economic and social context		
Population (millions)	276	313
Urban population (% of total)	55	57
GNI per capita, World Bank Atlas method (\$)	1,640	2,820
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.5	4.4
Adult literacy rate (% ages 15 and older)	68	73
Gross primary, secondary, and tertiary enrollment (%)	62	70
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	1.9	3.1
Mobile and fixed-line subscribers per employee	139	691
Telecommunications investment (% of revenue)	39.8	21.7
Performance		
Access		
Telephone lines (per 100 people)	8.6	17.0
Mobile cellular subscriptions (per 100 people)	2.3	50.7
Internet subscribers (per 100 people)	0.1	2.4
Personal computers (per 100 people)	2.5	6.3
Households with a television (%)	85	94
Usage		
International voice traffic (minutes per person per month)	1.3	2.7
Mobile telephone usage (minutes per user per month)		
Internet users (per 100 people)	0.9	17.1
Quality		
Population covered by mobile cellular network (%)		93
Fixed broadband subscribers (% of total Internet subscribers)		
International Internet bandwidth (bits per second per person) Affordability	1	186
Price basket for residential fixed line (\$ a month)	8.8	3.9
		5.9 6.5
Price basket for mobile service (\$ a month)		
Price basket for Internet service (\$ a month)		11.6
Price of call to United States (\$ for 3 minutes)	3.67	1.45
Trade		
ICT goods exports (% of total goods exports)		
ICT goods imports (% of total goods imports)		
ICT service exports (% of total service exports) <i>Applications</i>	3.1	2.6
ICT expenditure (% of GDP)		4.5
E-gov't Web measure index (0-1, 1=highest presence)		0.22
Secure Internet servers (per million people)	0.2	1.3

South Asia

	2000	2007
Economic and social context		
Population (millions)	1,358	1,522
Urban population (% of total)	27	29
GNI per capita, World Bank Atlas method (\$)	444	880
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.4	7.3
Adult literacy rate (% ages 15 and older)	58	63
Gross primary, secondary, and tertiary enrollment (%)	53	60
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	1.5	2.1
Mobile and fixed-line subscribers per employee	60	660
Telecommunications investment (% of revenue)	25.9	
Performance		
Access		
Telephone lines (per 100 people)	2.7	3.2
Mobile cellular subscriptions (per 100 people)	0.3	22.8
Internet subscribers (per 100 people)	0.2	1.3
Personal computers (per 100 people)	0.4	3.3
Households with a television (%)	22	42
Usage		
International voice traffic (minutes per person per month)	0.2	
Mobile telephone usage (minutes per user per month)	198	364
Internet users (per 100 people)	0.5	6.6
Quality		
Population covered by mobile cellular network (%)	24	61
Fixed broadband subscribers (% of total Internet subscribers)	0.0	18.9
International Internet bandwidth (bits per second per person)	1	31
Affordability Price basket for residential fixed line (\$ a month)	6.5	4.0
		4.0 2.4
Price basket for mobile service (\$ a month)		2.4 8.0
Price basket for Internet service (\$ a month)	 3.48	2.02
Price of call to United States (\$ for 3 minutes) Trade	5.40	2.02
ICT goods exports (% of total goods exports)	1.6	1.2
ICT goods imports (% of total goods imports)	6.5	8.1
ICT service exports (% of total service exports)	29.5	39.0
Applications	29.0	33.0
ICT expenditure (% of GDP)		5.7
E-gov't Web measure index (0-1, 1=highest presence)		0.37
Secure Internet servers (per million people)	0.1	1.1

Sub-Saharan Africa

	2000	2007
Economic and social context		
Population (millions)	673	800
Urban population (% of total)	33	36
GNI per capita, World Bank Atlas method (\$)	485	951
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.2	5.1
Adult literacy rate (% ages 15 and older)	59	62
Gross primary, secondary, and tertiary enrollment (%)	43	51
Structure Separate telecommunications regulator Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	3.3	4.7
Mobile and fixed-line subscribers per employee	73	499
Telecommunications investment (% of revenue)	32.5	
Performance Access		
Telephone lines (per 100 people)	1.4	1.6
Mobile cellular subscriptions (per 100 people)	1.7	23.0
Internet subscribers (per 100 people)	0.2	1.2
Personal computers (per 100 people)	0.9	1.8
Households with a television (%)	12	18
Usage		
International voice traffic (minutes per person per month)	0.6	
Mobile telephone usage (minutes per user per month)		
Internet users (per 100 people)	0.5	4.4
Quality		50
Population covered by mobile cellular network (%)		56
Fixed broadband subscribers (% of total Internet subscribers)	0.2	3.1
International Internet bandwidth (bits per second per person) Affordability	1	36
Price basket for residential fixed line (\$ a month)	8.4	12.6
Price basket for mobile service (\$ a month)		11.6
Price basket for Internet service (\$ a month)		43.1
Price of call to United States (\$ for 3 minutes)	5.88	2.43
Trade		
ICT goods exports (% of total goods exports)	0.9	1.1
ICT goods imports (% of total goods imports)	8.8	8.2
ICT service exports (% of total service exports)	3.4	4.2
Applications		
ICT expenditure (% of GDP)		
E-gov't Web measure index (0-1, 1=highest presence)		0.16
Secure Internet servers (per million people)		2.9

Income group tables

For operational and analytical purposes the World Bank's main criterion for classifying economies is gross national income (GNI) per capita. Every economy in *The Little Data Book on Information and Communication Technology* is classified as low income, middle income, or high income. Low- and middleincome economies are sometimes referred to as developing economies. The use of the term is convenient; it is not intended to imply that all economies in the group are experiencing similar development or that other economies have reached a preferred or final stage of development. Classification by income does not necessarily reflect development status.

Low-income economies are those with a GNI per capita of \$935 or less in 2007.

Middle-income economies are those with a GNI per capita of more than \$935 but less than \$11,456. Lower-middle-income and upper-middle-income economies are separated at a GNI per capita of \$3,705.

High-income economies are those with a GNI per capita of \$11,456 or more.

Euro area includes the member states of the Economic and Monetary Union of the European Union that have adopted the euro as their currency: Austria, Belgium, Cyprus, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Malta, Netherlands, Portugal, Slovak Republic, Slovenia, and Spain.

Low income

Economic and social context		2007
Population (millions)	1,108	1,296
Urban population (% of total)	29	32
GNI per capita, World Bank Atlas method (\$)	320	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.8	5.6
Adult literacy rate (% ages 15 and older)	60	64
Gross primary, secondary, and tertiary enrollment (%)	46	51
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	1.8	3.3
Mobile and fixed-line subscribers per employee	50	301
Telecommunications investment (% of revenue)	26.7	
Performance		
Access		
Telephone lines (per 100 people)	1.2	4.0
Mobile cellular subscriptions (per 100 people)	0.3	21.5
Internet subscribers (per 100 people)	0.1	0.8
Personal computers (per 100 people)	0.4	1.5
Households with a television (%)	12	16
Usage		
International voice traffic (minutes per person per month)	0.4	
Mobile telephone usage (minutes per user per month)		
Internet users (per 100 people)	0.2	5.2
Quality		
Population covered by mobile cellular network (%)		54
Fixed broadband subscribers (% of total Internet subscribers)	0.1	3.4
International Internet bandwidth (bits per second per person)	0	26
Affordability		
Price basket for residential fixed line (\$ a month)	8.4	5.7
Price basket for mobile service (\$ a month)		11.2
Price basket for Internet service (\$ a month)		29.2
Price of call to United States (\$ for 3 minutes)	5.97	2.00
Trade		
ICT goods exports (% of total goods exports)		1.4
ICT goods imports (% of total goods imports)		6.7
ICT service exports (% of total service exports)		
Applications		
ICT expenditure (% of GDP)		
E-gov't Web measure index (0-1, 1=highest presence)		0.11
Secure Internet servers (per million people)		0.5

GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.1 6.2 Adult literacy rate (% ages 15 and older) 83 85 Gross primary, secondary, and tertiary enroliment (%) 65 69 Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service 162 53 595 Telecommunications revenue (% of GDP) 2.8 3.2 Mobile telephone subscribers per employee 153 595 Telecommunications investment (% of revenue) 27.0 22.5 Performance Access Access I Telephone lines (per 100 people) 10.0 16.7 Mobile cellular subscriptions (per 100 people) 2.6 47.6 Internet subscribers (per 100 people) 2.5 6 Households with a television (%) 80 89 Usage Internet subscribers (per 100 people) 1.0 Internet subscribers (% of total Internet subscribers) 0.7 4.2 2.5 Gueaholds with a television (%)		2000	2007
Urban population (% of total)4448GNI per capita, World Bank Atlas method (\$)1,3922,910GDP growth, 1995-2000 and 2000-07 (avg. annual %)4.16.2GDP growth, 1995-2000 and 2000-07 (avg. annual %)4.16.2Adult literacy rate (% ages 15 and older)8385Gross primary, secondary, and tertiary enrollment (%)6569StructureSeparate telecommunications regulator5Status of main fixed-line telephone operatorLevel of competition (competition, partial comp., monopoly)International long distance serviceMobile telephone serviceInternational long distance serviceMobile telephone service53Mobile and fixed-line subscribers per employee153595Telecommunications investment (% of revenue)27.022.5PerformanceAccess10.016.7Mobile cellular subscriptions (per 100 people)0.76.6Personal computers (per 100 people)0.76.6Personal computers (per 100 people)1.0Mobile telephone usage (minutes per person per month)1.0Mobile telephone usage (minutes per user per month)1.0Mobile telephone usage (minutes per user person)4389Mobile telephone usage (minutes per user person)4389Mobile telephone usage (minutes per second per person)4389Mobile telephone usage (minutes per second per person)4389Mobile telephone usage (minutes per second per person)4389 <tr< td=""><td>Economic and social context</td><td></td><td></td></tr<>	Economic and social context		
GNI per capita, World Bank Atlas method (\$)1,3922,910GDP growth, 1995-2000 and 2000-07 (avg. annual %)4.16.2Adult literacy rate (% ages 15 and older)8385Gross primary, secondary, and tertiary enrollment (%)6569StructureSeparate telecommunications regulatorStatus of main fixed-line telephone operatorEvel of competition (competition, partial comp., monopoly)Internet serviceInternet serviceMobile telephone service153595Telecommunications revenue (% of GDP)2.83.2Mobile and fixed-line subscribers per employee153595Telecommunications investment (% of revenue)27.022.5PerformanceAccess76.6Personal computers (per 100 people)10.016.7Mobile telephone usage (minutes per person per month)1.0Mobile telephone usage (minutes per person per month)1.0Mobile telephone usage (minutes per user per month)1.62258International voice traffic (minutes per second per person)4389Fixed broadband subscribers (% of total Internet subscribers)0.742.5International Internet bandwidth (bits per second per person)4389Fixed broadband subscribers (% of total Internet subscribers)0.742.5International Internet service (\$ a month)10.2Price basket for residential fixed line (\$ a month)10.2Price basket for soldential fixed li	Population (millions)	3,959	4,258
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.1 6.2 Adult literacy rate (% ages 15 and older) 83 85 Gross primary, secondary, and tertiary enroliment (%) 65 69 Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service 162 53 595 Telecommunications revenue (% of GDP) 2.8 3.2 Mobile telephone subscribers per employee 153 595 Telecommunications investment (% of revenue) 27.0 22.5 Performance Access Access I Telephone lines (per 100 people) 10.0 16.7 Mobile cellular subscriptions (per 100 people) 2.6 47.6 Internet subscribers (per 100 people) 2.5 6 Households with a television (%) 80 89 Usage Internet subscribers (per 100 people) 1.0 Internet subscribers (% of total Internet subscribers) 0.7 4.2 2.5 Gueaholds with a television (%)	Urban population (% of total)	44	48
Adult literacy rate (% ages 15 and older) 83 85 Gross primary, secondary, and tertiary enrollment (%) 65 69 Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service International long distance service Mobile telephone service 595 Telecommunications revenue (% of GDP) 2.8 3.2 Mobile and fixed-line subscribers per employee 153 595 Telecommunications investment (% of revenue) 27.0 22.5 Performance Access 700 2.2 5.6 Access onal computers (per 100 people) 10.0 16.7 6.6 Personal computers (per 100 people) 2.2 5.6 47.6 Internet subscribers (per 100 people) 2.2 5.6 47.6 Internet subscribers (per 100 people) 1.0 Mobile telephone usage (minutes per person per month) 1.0 Mobile telephone usage (minutes per user per month) 1.62 258 1.6 1.6 Quality Quality	GNI per capita, World Bank Atlas method (\$)	1,392	2,910
Gross primary, secondary, and tertiary enrollment (%) 65 69 Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 2.8 3.2 Mobile and fixed-line subscribers per employee 153 595 Telecommunications investment (% of revenue) 27.0 22.5 Performance Access 7.0 66 Access Telephone lines (per 100 people) 10.0 16.7 Mobile cellular subscribers (per 100 people) 0.7 6.6 Personal computers (per 100 people) 2.5 6 Households with a television (%) 80 89 Usage 10.0 7.6 Internet users (per 100 people) 1.0 Nobile telephone usage (minutes per person per month) 1.0 Mobile telephone usage (minutes per user per month) 1.62 22.5 Quality Population covered by mobile cellular network (%) 83	GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.1	6.2
Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 2.8 Access Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) 10.0 16.7 Mobile cellular subscriptions (per 100 people) 0.7 Personal computers (per 100 people) 2.5 Households with a television (%) 80 Vage 1.0 International voice traffic (minutes per person per month) 1.0 Internet users (per 100 people) 1.9 Quality 1.9 Population covered by mobile cellular network (%)	Adult literacy rate (% ages 15 and older)	83	85
Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 2.8 3.2 Mobile and fixed-line subscribers per employee 153 595 Telecommunications investment (% of revenue) 27.0 22.5 Performance Access	Gross primary, secondary, and tertiary enrollment (%)	65	69
Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 2.8 Access Telephone lines (per 100 people) 10.0 Performance Access Telephone lines (per 100 people) Personal computers (per 100 people) Nobile telephone usage (minutes per person per month) 1.0 Mobile telephone usage (minutes per user per month) 1.62 Usage International voice traffic (minutes per second per person) 4 Affordability Price basket for residential fixed line (\$ a month) 1.0.2 Price basket for nobile service (\$ a month) .10.2 Price basket for nobile service (\$ a month) .10.2 Price basket for nobile service (\$ a month) Price basket for nobile service (\$ a month	Structure		
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Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 2.8 3.2 Mobile and fixed-line subscribers per employee 153 595 Telecommunications investment (% of revenue) 27.0 22.5 Performance Access	Level of competition (competition, partial comp., monopoly)		
Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 2.8 3.2 Mobile and fixed-line subscribers per employee 153 595 Telecommunications investment (% of revenue) 27.0 22.5 Performance Access Access Telephone lines (per 100 people) 10.0 16.7 Mobile cellular subscriptions (per 100 people) 5.6 47.6 Internet subscribers (per 100 people) 0.7 6.6 Personal computers (per 100 people) 2.2 5.6 Households with a television (%) 80 89 Usage International voice traffic (minutes per person per month) 1.0 Mobile telephone usage (minutes per user per month) 162 258 Internet users (per 100 people) 1.9 15.2 Quality Population covered by mobile cellular network (%) 83 Fixed broadband subscribers (% of total Internet subscribers) 0.7 42.5 International Internet bandwidth (bits per second per person) 4 389 Affordability Price basket for Internet service (\$ a month) 10.2	International long distance service		
Efficiency and capacity Telecommunications revenue (% of GDP) 2.8 3.2 Mobile and fixed-line subscribers per employee 153 595 Telecommunications investment (% of revenue) 27.0 22.5 Performance Access 70 22.5 Rephone lines (per 100 people) 10.0 16.7 Mobile cellular subscriptions (per 100 people) 5.6 47.6 Internet subscribers (per 100 people) 0.7 6.6 Personal computers (per 100 people) 2.2 5.6 Households with a television (%) 80 89 Usage 10.0 International voice traffic (minutes per person per month) 1.0 Mobile telephone usage (minutes per user per month) 1.62 258 Internet users (per 100 people) 1.9 15.2 Quality Population covered by mobile cellular network (%) 83 Fixed broadband subscribers (% of total Internet subscribers) 0.7 42.5 Internet users (per induce (% a month) 10.2 Price basket for Internet service (\$ a month) 10.2 <tr< td=""><td>Mobile telephone service</td><td></td><td></td></tr<>	Mobile telephone service		
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Telecommunications revenue (% of GDP) 2.8 3.2 Mobile and fixed-line subscribers per employee 153 595 Telecommunications investment (% of revenue) 27.0 22.5 Performance Access 7.0 22.5 Telephone lines (per 100 people) 10.0 16.7 Mobile cellular subscriptions (per 100 people) 5.6 47.6 Internet subscribers (per 100 people) 2.2 5.6 Households with a television (%) 80 89 Usage 1.0 Internet users (per 100 people) 1.0 Mobile telephone usage (minutes per person per month) 1.0 Mobile telephone usage (minutes per user per month) 1.62 258 Internet users (per 100 people) 1.9 15.2 Quality Population covered by mobile cellular network (%) 83 Fixed broadband subscribers (% of total Internet subscribers) 0.7 42.5 Internet bandwidth (bits per second per person) 4 389 Affordability 10.2 27.5 Price basket for residential fixed line (\$ a month)	Efficiency and capacity		
Mobile and fixed-line subscribers per employee 153 595 Telecommunications investment (% of revenue) 27.0 22.5 Performance Access 7.0 7.0 Telephone lines (per 100 people) 10.0 16.7 Mobile cellular subscriptions (per 100 people) 5.6 47.6 Internet subscribers (per 100 people) 5.6 47.6 10.0 16.7 Households with a television (%) 80 89 Usage 10.0 Internet subscribers (per 100 people) 1.0 Mobile telephone usage (minutes per person per month) 1.0 Mobile telephone usage (minutes per user per month) 1.62 258 1152 Quality 9 19.1 15.2 Quality Population covered by mobile cellular network (%) 83 180 A59 Affordability 83 16.0 24.55 Price basket for residential fixed line (\$ a month) 10.1 8.9 Affordability 10.2 27.5 16.5		2.8	3.2
Telecommunications investment (% of revenue) 27.0 22.5 Performance Access 10.0 16.7 Mobile cellular subscriptions (per 100 people) 5.6 47.6 Internet subscriptions (per 100 people) 0.7 6.6 Personal computers (per 100 people) 2.2 5.6 Households with a television (%) 80 89 Usage 11.0 International voice traffic (minutes per person per month) 1.0 Mobile telephone usage (minutes per user per month) 162 258 Internet users (per 100 people) 1.9 15.2 Quality Population covered by mobile cellular network (%) 83 Fixed broadband subscribers (% of total Internet subscribers) 0.7 42.5 International Internet bandwidth (bits per second per person) 4 389 Affordability 10.1 8.9 Price basket for residential fixed line (\$ a month) 10.2 Price basket for Internet service (\$ a month) 10.2 Price of call to United States (\$ fo			595
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Telephone lines (per 100 people) 10.0 16.7 Mobile cellular subscriptions (per 100 people) 5.6 47.6 Internet subscribers (per 100 people) 0.7 6.6 Personal computers (per 100 people) 2.2 5.6 Households with a television (%) 80 89 Usage International voice traffic (minutes per person per month) 1.0 Mobile telephone usage (minutes per user per month) 162 258 International voice traffic (minutes per person per month) 162 258 Internet users (per 100 people) 1.9 15.2 Quality 83 Fixed broadband subscribers (% of total Internet subscribers) 0.7 42.5 International Internet bandwidth (bits per second per person) 4 389 Affordability 10.1 8.9 Price basket for residential fixed line (\$ a month) 10.2 Price basket for Internet service (\$ a month) 10.2 Price basket for Internet service (\$ a month) 16.5 <td>Performance</td> <td></td> <td></td>	Performance		
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Personal computers (per 100 people)2.25.6Households with a television (%)8089UsageInternational voice traffic (minutes per person per month)1.0Mobile telephone usage (minutes per user per month)162258Internet users (per 100 people)1.915.2Quality91.915.2Population covered by mobile cellular network (%)83Fixed broadband subscribers (% of total Internet subscribers)0.742.5International Internet bandwidth (bits per second per person)4389Affordability910.18.9Price basket for residential fixed line (\$ a month)10.18.9Price basket for Internet service (\$ a month)16.5Price of call to United States (\$ for 3 minutes)3.241.65Trade10.18.318.0ICT goods imports (% of total goods exports)17.016.9ICT service exports (% of total service exports)7.54.9Applications10.25.91.5ICT expenditure (% of GDP)5.9E-gov't Web measure index (0-1, 1=highest presence)0.35		5.6	47.6
Households with a television (%)8089UsageInternational voice traffic (minutes per person per month)1.0Mobile telephone usage (minutes per user per month)162258Internet users (per 100 people)1.915.2QualityPopulation covered by mobile cellular network (%)83Fixed broadband subscribers (% of total Internet subscribers)0.742.5International Internet bandwidth (bits per second per person)4389AffordabilityPrice basket for residential fixed line (\$ a month)10.18.9Price basket for Internet service (\$ a month)10.2Price of call to United States (\$ for 3 minutes)3.241.65TradeICT goods imports (% of total goods exports)17.016.9ICT goods imports (% of total service exports)7.54.9ApplicationsICT expenditure (% of GDP)5.9E-gov't Web measure index (0-1, 1=highest presence)0.35	Internet subscribers (per 100 people)	0.7	6.6
Usage International voice traffic (minutes per person per month) 1.0 Mobile telephone usage (minutes per user per month) 162 258 Internet users (per 100 people) 1.9 15.2 Quality Population covered by mobile cellular network (%) 83 Fixed broadband subscribers (% of total Internet subscribers) 0.7 42.5 International Internet bandwidth (bits per second per person) 4 389 Affordability Price basket for residential fixed line (\$ a month) 10.1 8.9 Price basket for nobile service (\$ a month) 10.2 Price basket for Internet service (\$ a month) 16.5 Price of call to United States (\$ for 3 minutes) 3.24 1.65 Trade ICT goods exports (% of total goods exports) 17.0 16.9 ICT goods imports (% of total goods imports) 18.3 18.0 ICT service exports (% of total service exports) 7.5 4.9 Applications ICT expenditure (% of GDP) 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.35	Personal computers (per 100 people)	2.2	5.6
International voice traffic (minutes per person per month)1.0Mobile telephone usage (minutes per user per month)162258Internet users (per 100 people)1.915.2QualityPopulation covered by mobile cellular network (%)83Fixed broadband subscribers (% of total Internet subscribers)0.742.5International Internet bandwidth (bits per second per person)4389AffordabilityPrice basket for residential fixed line (\$ a month)10.18.9Price basket for nobile service (\$ a month)10.2Price basket for Internet service (\$ a month)16.5Price of call to Inited States (\$ for 3 minutes)3.241.65Trade17.016.9ICT goods exports (% of total goods exports)17.016.9ICT service exports (% of total service exports)7.54.9Applications5.9ICT expenditure (% of GDP)5.9E-gov't Web measure index (0-1, 1=highest presence)0.35	Households with a television (%)	80	89
Mobile telephone usage (minutes per user per month)162258Internet users (per 100 people)1.915.2QualityPopulation covered by mobile cellular network (%)83Fixed broadband subscribers (% of total Internet subscribers)0.742.5International Internet bandwidth (bits per second per person)4389Affordability10.1Price basket for residential fixed line (\$ a month)10.18.9Price basket for Internet service (\$ a month)10.2Price basket for Internet service (\$ a month)16.5Price of call to United States (\$ for 3 minutes)3.241.65Trade17.016.9ICT goods exports (% of total goods exports)17.016.9ICT service exports (% of total service exports)7.54.9Applications5.9ICT expenditure (% of GDP)5.9E-gov't Web measure index (0-1, 1=highest presence)0.35	Usage		
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Quality	Mobile telephone usage (minutes per user per month)	162	258
Population covered by mobile cellular network (%) 83 Fixed broadband subscribers (% of total Internet subscribers) 0.7 42.5 International Internet bandwidth (bits per second per person) 4 389 Affordability 10.1 8.9 Price basket for residential fixed line (\$ a month) 10.1 8.9 Price basket for Internet service (\$ a month) 10.2 Price basket for Internet service (\$ a month) 16.5 Price of call to United States (\$ for 3 minutes) 3.24 1.65 Trade 10.1 10.9 ICT goods exports (% of total goods exports) 17.0 16.9 ICT goods imports (% of total goods imports) 18.3 18.0 ICT service exports (% of total service exports) 7.5 4.9 Applications 5.9 5.9 ICT expenditure (% of GDP) 5.9 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.35	Internet users (per 100 people)	1.9	15.2
Fixed broadband subscribers (% of total Internet subscribers)0.742.5International Internet bandwidth (bits per second per person)4389Affordability910.18.9Price basket for residential fixed line (\$ a month)10.18.9Price basket for Internet service (\$ a month).10.2Price basket for Internet service (\$ a month).16.5Price of call to United States (\$ for 3 minutes)3.241.65Trade.16.9ICT goods exports (% of total goods exports)17.016.9ICT service exports (% of total service exports)7.54.9Applications.5.9ICT expenditure (% of GDP).5.9E-gov't Web measure index (0-1, 1=highest presence).0.35	Quality		
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Affordability Price basket for residential fixed line (\$ a month) 10.1 8.9 Price basket for mobile service (\$ a month) 10.2 Price basket for Internet service (\$ a month) 16.5 Price of call to United States (\$ for 3 minutes) 3.24 1.65 Trade 16.9 ICT goods exports (% of total goods exports) 17.0 16.9 ICT goods imports (% of total goods imports) 18.3 18.0 ICT service exports (% of total service exports) 7.5 4.9 Applications 5.9 ICT expenditure (% of GDP) 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.35	Fixed broadband subscribers (% of total Internet subscribers)	0.7	42.5
Price basket for residential fixed line (\$ a month) 10.1 8.9 Price basket for mobile service (\$ a month) . 10.2 Price basket for Internet service (\$ a month) . 16.5 Price of call to United States (\$ for 3 minutes) 3.24 1.65 Trade . . 16.9 ICT goods exports (% of total goods exports) 17.0 16.9 ICT goods imports (% of total goods imports) 18.3 18.0 ICT service exports (% of total service exports) 7.5 4.9 Applications . 5.9 ICT expenditure (% of GDP) . 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.35	International Internet bandwidth (bits per second per person)	4	389
Price basket for mobile service (\$ a month) 10.2 Price basket for Internet service (\$ a month) 16.5 Price of call to United States (\$ for 3 minutes) 3.24 1.65 Trade 10.2 ICT goods exports (% of total goods exports) 17.0 16.9 ICT goods imports (% of total goods imports) 18.3 18.0 ICT service exports (% of total service exports) 7.5 4.9 Applications 5.9 ICT expenditure (% of GDP) 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.35	-		
Price basket for Internet service (\$ a month) 16.5 Price of call to United States (\$ for 3 minutes) 3.24 1.65 Trade ICT goods exports (% of total goods exports) 17.0 16.9 ICT goods imports (% of total goods imports) 18.3 18.0 ICT service exports (% of total service exports) 7.5 4.9 Applications ICT expenditure (% of GDP) 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.35	Price basket for residential fixed line (\$ a month)	10.1	
Price of call to United States (\$ for 3 minutes) 3.24 1.65 Trade ICT goods exports (% of total goods exports) 17.0 16.9 ICT goods imports (% of total goods imports) 18.3 18.0 ICT service exports (% of total service exports) 7.5 4.9 Applications ICT expenditure (% of GDP) 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.35			
Trade ICT goods exports (% of total goods exports) 17.0 16.9 ICT goods imports (% of total goods imports) 18.3 18.0 ICT service exports (% of total service exports) 7.5 4.9 Applications ICT expenditure (% of GDP) 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.35			
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ICT goods imports (% of total goods imports) 18.3 18.0 ICT service exports (% of total service exports) 7.5 4.9 Applications 5.9 ICT expenditure (% of GDP) 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.35			
ICT service exports (% of total service exports) 7.5 4.9 Applications 5.9 ICT expenditure (% of GDP) 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.35			
Applications 5.9 ICT expenditure (% of GDP) 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.35			
ICT expenditure (% of GDP)5.9E-gov't Web measure index (0-1, 1=highest presence)0.35		7.5	4.9
E-gov't Web measure index (0-1, 1=highest presence) 0.35			5.9
- APP - PETER /	Secure Internet servers (per million people)	1.2	6.5

Lower middle income

	2000	2007
Economic and social context		
Population (millions)	3,178	3,435
Urban population (% of total)	37	42
GNI per capita, World Bank Atlas method (\$)	851	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.4	8.0
Adult literacy rate (% ages 15 and older)	80	83
Gross primary, secondary, and tertiary enrollment (%)	62	68
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.6	3.1
Mobile and fixed-line subscribers per employee	125	624
Telecommunications investment (% of revenue)	28.1	25.3
Performance		
Access		
Telephone lines (per 100 people)	7.7	15.3
Mobile cellular subscriptions (per 100 people)	3.7	38.9
Internet subscribers (per 100 people)	0.5	6.0
Personal computers (per 100 people)	1.3	4.6
Households with a television (%)	68	79
Usage		
International voice traffic (minutes per person per month)	0.6	
Mobile telephone usage (minutes per user per month)	190	322
Internet users (per 100 people)	1.2	12.4
Quality		00
Population covered by mobile cellular network (%)		80
Fixed broadband subscribers (% of total Internet subscribers)	0.3	40.4
International Internet bandwidth (bits per second per person) Affordability	2	199
Price basket for residential fixed line (\$ a month)	8.2	7.2
Price basket for mobile service (\$ a month)		9.8
Price basket for Internet service (\$ a month)		16.7
Price of call to United States (\$ for 3 minutes)	3.52	2.08
Trade		
ICT goods exports (% of total goods exports)	18.3	20.6
ICT goods imports (% of total goods imports)	18.5	20.2
ICT service exports (% of total service exports)	10.5	15.6
Applications		6 5
ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence)		6.5 0.33
	 0.3	0.33
Secure Internet servers (per million people)	0.3	1.8

Upper middle income

	2000	2007
Economic and social context		
Population (millions)	781	824
Urban population (% of total)	73	75
GNI per capita, World Bank Atlas method (\$)	3,593	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.0	4.3
Adult literacy rate (% ages 15 and older)	93	94
Gross primary, secondary, and tertiary enrollment (%)	81	82
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	3.1	3.3
Mobile and fixed-line subscribers per employee	247	566
Telecommunications investment (% of revenue)	26.3	
Performance		
Access	10.0	
Telephone lines (per 100 people)	19.3	22.6
Mobile cellular subscriptions (per 100 people)	13.0	84.1
Internet subscribers (per 100 people)	1.6	9.4
Personal computers (per 100 people)	5.7	12.4
Households with a television (%)	87	92
Usage		
International voice traffic (minutes per person per month)	3.0	
Mobile telephone usage (minutes per user per month)	158	137
Internet users (per 100 people) Quality	4.6	26.6
Population covered by mobile cellular network (%)		95
Fixed broadband subscribers (% of total Internet subscribers)	1.4	47.8
International Internet bandwidth (bits per second per person)	12	1,185
Affordability		,
Price basket for residential fixed line (\$ a month)	12.8	10.6
Price basket for mobile service (\$ a month)		10.9
Price basket for Internet service (\$ a month)		16.4
Price of call to United States (\$ for 3 minutes)	2.74	1.55
Trade		
ICT goods exports (% of total goods exports)	15.9	13.5
ICT goods imports (% of total goods imports)	18.1	16.2
ICT service exports (% of total service exports)	4.7	4.6
Applications ICT expenditure (% of GDP)		5.2
E-gov't Web measure index (0-1, 1=highest presence)		0.37
Secure Internet servers (per million people)	4.8	26.2

Low and middle income

Economic and social context Population (millions) 5,068 5,554 Urban population (% of total) 41 44 GNI per capita, World Bank Atlas method (\$) 1,157 2,366 GOP growth, 1995–2000 and 2000–07 (avg. annual %) 4.1 6.2 Adult literacy rate (% ages 15 and older) 78 81 Gross primary, secondary, and tertiary enrollment (%) 61 65 Structure Separate telecommunications regulator Status of main fixed-line telephone operator Evel of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service 100 624		2000	2007
Urban population (% of total)4144GNI per capita, World Bank Atlas method (\$)1,1572,366GDP growth, 1995-2000 and 2000-07 (avg. annual %)4.16.2GDP growth, 1995-2000 and 2000-07 (avg. annual %)4.16.2GTos primary, secondary, and tertiary enrollment (%)6165StructureSeparate telecommunications regulator5Status of main fixed-line telephone operatorLevel of competition (competition, partial comp., monopoly)International long distance serviceMobile telephone serviceInternational long distance service100624Telecommunications revenue (% of GDP)2.83.3Mobile and fixed-line subscribers per employee100624Telecommunications investment (% of revenue)26.9PerformanceAccess14.0Mobile cellular subscriptions (per 100 people)8.114.0Mobile cellular subscriptions (per 100 people)1.85.3Households with a television (%)4463Usage0.9Mobile telephone usage (minutes per person per month)0.9Mobile telephone usage (minutes per user per month)76Fixed broadband subscribers (% of total Internet subscribers)0.741.5International Internet service (\$ a month)9.38.3Price basket for nobile service (\$ a month)76Fixed broadband subscribers (% of total goods exports)16.516.1Internet service (\$ a month)76 <t< td=""><td>Economic and social context</td><td></td><td></td></t<>	Economic and social context		
GNI per capita, World Bank Atlas method (\$) 1,157 2,366 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.1 6.2 Adult literacy rate (% ages 15 and older) 78 81 Gross primary, secondary, and tertiary enrollment (%) 61 65 Structure Separate telecommunications regulator 5 Status of main fixed-line telephone operator Level of competition, competition, partial comp., monopoly) International long distance service Mobile telephone service 100 624 Telecommunications revenue (% of GDP) 2.8 3.3 Mobile and fixed-line subscribers per employee 100 624 Telecommunications investment (% of revenue) 26.9 Performance Access 14.0 Mobile cellular subscriptions (per 100 people) 4.4 41.8 Internet subscribers (per 100 people) 1.8 5.3 Households with a television (%) 44 63 Usage Mobile telephone usage (minutes per person per month) Jusage International voice traffic (minutes per second per	Population (millions)	5,068	5,554
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.1 6.2 Adult literacy rate (% ages 15 and older) 78 81 Gross primary, secondary, and tertiary enrollment (%) 61 65 Structure Separate telecommunications regulator 5 Status of main fixed-line telephone operator Level of competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service 100 624 Telecommunications investment (% of GDP) 2.8 3.3 Mobile and fixed-line subscribers per employee 100 624 Telecommunications investment (% of revenue) 26.9 Performance Access 44 41.8 Internet subscriptions (per 100 people) 8.1 14.0 Mobile cellular subscriptions (per 100 people) 1.8 5.3 Households with a television (%) 44 63 Usage Internet subscribers (k of total people) 1.6 13.1 Puble telephone usage (minutes per person per month) 9 76 River subscribers (k of total Internet subscribers) 0.7 41.5 13.1 Quality	Urban population (% of total)	41	44
Adult literacy rate (% ages 15 and older) 78 81 Gross primary, secondary, and tertiary enrollment (%) 61 65 Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service 1 28 3.3 Mobile and fixed-line subscribers per employee 100 624 Telecommunications investment (% of revenue) 26.9 Performance Access 4 Access 14.0 Mobile cellular subscribers per employee 0.6 5.9 Personal computers (per 100 people) 8.1 14.0 4.4 4.8 Internet subscribers (per 100 people) 1.8 5.3 4.4 4.3 Nouseholds with a television (%) 44 63 Usage 1.4 Internet subscribers (per 100 people) 1.6 13.1 1.1 Mobile cellular subscribers (% of total Internet subscribers) 0.7 4.15 Internet users (per 100 people) 1.6 13.1 1.4 Quality 2 2	GNI per capita, World Bank Atlas method (\$)	1,157	2,366
Adult literacy rate (% ages 15 and older) 78 81 Gross primary, secondary, and tertiary enrollment (%) 61 65 Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service 1 28 3.3 Mobile and fixed-line subscribers per employee 100 624 Telecommunications investment (% of revenue) 26.9 Performance Access 4 Access 14.0 Mobile cellular subscribers per employee 0.6 5.9 Personal computers (per 100 people) 8.1 14.0 4.4 4.8 Internet subscribers (per 100 people) 1.8 5.3 4.4 4.3 Nouseholds with a television (%) 44 63 Usage 1.4 Internet subscribers (per 100 people) 1.6 13.1 1.1 Mobile cellular subscribers (% of total Internet subscribers) 0.7 4.15 Internet users (per 100 people) 1.6 13.1 1.4 Quality 2 2	GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.1	6.2
Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 2.8 Access Performance Access Telephone lines (per 100 people) Nobile cellular subscriptions (per 100 people) 9.4 100 eogle) 1.4 Mobile cellular subscriptions (per 100 people) 9.4 1.6 1.7 9.7 Personal computers (per 100 people) 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8		78	81
Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 2.8 Access Performance Access Telephone lines (per 100 people) 8.1 Nobile telephone services (per 100 people) 4.4 Internet subscribtors (per 100 people) 4.8 Performance 3.3 Access 14.0 Mobile cellular subscriptions (per 100 people) 1.8 Personal computers (per 100 people) 1.8 Households with a television (%) 44 Usage 1.1 International voice traffic (minutes per person per month) 0.9 Mobile telephone usage (minutes per user per month) .252 International subscribers (% of total Internet subscribers) 0.7 Population covered by mobile cellular network (%) .76 Fixed broadband subscribers (% of total Internet subscribers) 0.7 Price basket for residential fi	Gross primary, secondary, and tertiary enrollment (%)	61	65
Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 2.8 3.3 Mobile and fixed-line subscribers per employee 100 624 Telecommunications investment (% of revenue) 26.9 Performance Access	Separate telecommunications regulator		
Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 2.8 3.3 Mobile and fixed-line subscribers per employee 100 624 Telecommunications investment (% of revenue) 26.9 Performance Access	Level of competition (competition, partial comp., monopoly)		
Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 2.8 3.3 Mobile and fixed-line subscribers per employee 100 624 Telecommunications investment (% of revenue) 26.9 Performance Access 7 Access 7 14.0 Mobile cellular subscriptions (per 100 people) 4.4 41.8 Internet subscribers (per 100 people) 0.6 5.9 Personal computers (per 100 people) 1.8 5.3 Households with a television (%) 44 63 Usage 0.9 252 International voice traffic (minutes per person per month) 0.9 Mobile telephone usage (minutes per user per month) 252 International voice traffic (minutes per second per person) 3 318 <i>Quality</i> 7 76 76 Price doradband subscribers (% of total Internet subscribers) 0.7 41.5 International Internet bandwidth (bits per second per person) 3 318 Affordability 7 71.5 71.5 Price ba	6		
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Mobile and fixed-line subscribers per employee100624Telecommunications investment (% of revenue)26.9PerformanceAccessTelephone lines (per 100 people)8.114.0Mobile cellular subscriptions (per 100 people)4.441.8Internet subscribers (per 100 people)0.65.9Personal computers (per 100 people)1.85.3Households with a television (%)4463Usage0.9Internet users (per 100 people)1.613.1Quality0.9Population covered by mobile cellular network (%)76Fixed broadband subscribers (% of total Internet subscribers)0.741.5Internet bandwidth (bits per second per person)3318Affordability10.0Price basket for residential fixed line (\$ a month)22.6Price of call to United States (\$ for 3 minutes)3.981.85Trade10.0Price of call to United States (\$ for 3 minutes)3.981.85Trade17.5ICT goods imports (% of total goods exports)1.6.51.6.1ICT apods imports (% of total service exports)7.54.9Applications5.9E-gov't Web measure index (0-1, 1=highest presence)0.27		2.8	3.3
Telecommunications investment (% of revenue) 26.9 Performance Access 14.0 Mobile cellular subscriptions (per 100 people) 4.4 41.8 Internet subscribers (per 100 people) 0.6 5.9 Personal computers (per 100 people) 1.8 5.3 Households with a television (%) 44 63 Usage 1.6 13.1 International voice traffic (minutes per person per month) 0.9 Mobile telephone usage (minutes per user per month) 252 Internet users (per 100 people) 1.6 13.1 Quality 76 Pixed broadband subscribers (% of total Internet subscribers) 0.7 41.5 International Internet bandwidth (bits per second per person) 3 318 Affordability 71 71.5 71.5 Price basket for residential fixed line (\$ a month) 9.3 8.3 Price basket for Internet service (\$ a month) 22.6 Price of call to United States (\$ for 3 minutes) 3.98 1.85 Tade			
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Internet users (per 100 people)1.613.1QualityPopulation covered by mobile cellular network (%)76Fixed broadband subscribers (% of total Internet subscribers)0.741.5International Internet bandwidth (bits per second per person)3318AffordabilityPrice basket for residential fixed line (\$ a month)9.38.3Price basket for nobile service (\$ a month)10.0Price basket for Internet service (\$ a month)22.6Price of call to United States (\$ for 3 minutes)3.981.85TradeICT goods exports (% of total goods exports)16.516.1ICT goods imports (% of total geods imports)17.917.5ICT service exports (% of total service exports)7.54.9ApplicationsICT expenditure (% of GDP)5.9E-gov't Web measure index (0-1, 1=highest presence)0.27			252
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International Internet bandwidth (bits per second per person) 3 318 Affordability Price basket for residential fixed line (\$ a month) 9.3 8.3 Price basket for mobile service (\$ a month) . 10.0 Price basket for Internet service (\$ a month) . 22.6 Price of call to United States (\$ for 3 minutes) 3.98 1.85 Trade . . 16.5 16.1 ICT goods exports (% of total goods exports) 16.5 16.1 17.9 17.5 ICT service exports (% of total service exports) 7.5 4.9 Applications . 5.9 ICT expenditure (% of GDP) . 5.9 5.9 5.9 5.9 E-gov't Web measure index (0-1, 1=highest presence) . 0.27 0.27	Population covered by mobile cellular network (%)		76
Affordability Price basket for residential fixed line (\$ a month) 9.3 8.3 Price basket for mobile service (\$ a month) 10.0 Price basket for Internet service (\$ a month) 22.6 Price of call to United States (\$ for 3 minutes) 3.98 1.85 Trade 10.0 ICT goods exports (% of total goods exports) 16.5 16.1 ICT goods imports (% of total goods imports) 17.9 17.5 ICT service exports (% of total service exports) 7.5 4.9 Applications 5.9 ICT expenditure (% of GDP) 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.27	Fixed broadband subscribers (% of total Internet subscribers)	0.7	41.5
Price basket for residential fixed line (\$ a month) 9.3 8.3 Price basket for mobile service (\$ a month) . 10.0 Price basket for Internet service (\$ a month) . 22.6 Price of call to United States (\$ for 3 minutes) 3.98 1.85 Trade . . 10.0 ICT goods exports (% of total goods exports) 16.5 16.1 ICT goods imports (% of total goods imports) 17.9 17.5 ICT service exports (% of total service exports) 7.5 4.9 Applications . 5.9 ICT expenditure (% of GDP) 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.27		3	318
Price basket for mobile service (\$ a month) 10.0 Price basket for Internet service (\$ a month) 22.6 Price of call to United States (\$ for 3 minutes) 3.98 1.85 Trade 10.0 ICT goods exports (% of total goods exports) 16.5 16.1 ICT goods imports (% of total goods imports) 17.9 17.5 ICT service exports (% of total service exports) 7.5 4.9 Applications 5.9 ICT expenditure (% of GDP) 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.27		9.3	8.3
Price basket for Internet service (\$ a month) 22.6 Price of call to United States (\$ for 3 minutes) 3.98 1.85 Trade ICT goods exports (% of total goods exports) 16.5 16.1 ICT goods imports (% of total goods imports) 17.9 17.5 ICT service exports (% of total service exports) 7.5 4.9 Applications 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.27			
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ICT service exports (% of total service exports) 7.5 4.9 Applications 5.9 ICT expenditure (% of GDP) 5.9 E-gov't Web measure index (0-1, 1=highest presence) 0.27			
ICT expenditure (% of GDP)5.9E-gov't Web measure index (0-1, 1=highest presence)0.27	ICT service exports (% of total service exports)		
E-gov't Web measure index (0-1, 1=highest presence) 0.27			59
	Secure Internet servers (per million people)	1.0	5.2

Euro area

	2000	2007
Economic and social context		
Population (millions)	312	324
Urban population (% of total)	72	73
GNI per capita, World Bank Atlas method (\$)	21,923	35,818
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.8	1.7
Adult literacy rate (% ages 15 and older)		
Gross primary, secondary, and tertiary enrollment (%)	90	93
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.6	2.8
Mobile and fixed-line subscribers per employee	409	725
Telecommunications investment (% of revenue)	22.8	15.9
	22.0	15.5
Performance		
Access	50.4	50.0
Telephone lines (per 100 people)	53.1	53.3
Mobile cellular subscriptions (per 100 people)	60.4	116.5
Internet subscribers (per 100 people)	12.4	22.5
Personal computers (per 100 people)	26.1	55.5
Households with a television (%)	97	97
Usage		
International voice traffic (minutes per person per month)	15.8	
Mobile telephone usage (minutes per user per month)	106	163
Internet users (per 100 people) Quality	22.8	59.2
Population covered by mobile cellular network (%)	99	99
Fixed broadband subscribers (% of total Internet subscribers)	3.5	58.5
	830	
International Internet bandwidth (bits per second per person) Affordability	830	32,560
Price basket for residential fixed line (\$ a month)	18.4	28.8
Price basket for mobile service (\$ a month)		21.8
Price basket for Internet service (\$ a month)		20.7
Price of call to United States (\$ for 3 minutes)	0.82	0.75
Trade		
ICT goods exports (% of total goods exports)	12.1	9.4
ICT goods imports (% of total goods imports)	13.5	10.9
ICT service exports (% of total service exports)	6.2	8.2
Applications		
ICT expenditure (% of GDP)		5.9
E-gov't Web measure index (0-1, 1=highest presence)		0.61
Secure Internet servers (per million people)	38.3	320.2

High income

	2000	2007
Economic and social context		
Population (millions)	1,006	1,056
Urban population (% of total)	76	78
GNI per capita, World Bank Atlas method (\$)	25,978	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.0	2.4
Adult literacy rate (% ages 15 and older)	99	99
Gross primary, secondary, and tertiary enrollment (%)	90	92
Structure		
Separate telecommunications regulator		
Status of main fixed-line telephone operator		
Level of competition (competition, partial comp., monopoly)		
International long distance service		
Mobile telephone service		
Internet service		
Efficiency and capacity		
Telecommunications revenue (% of GDP)	2.9	3.1
Mobile and fixed-line subscribers per employee	374	747
Telecommunications investment (% of revenue)	25.9	14.3
Performance		
Access		
Telephone lines (per 100 people)	56.5	50.0
Mobile cellular subscriptions (per 100 people)	51.2	100.4
Internet subscribers (per 100 people)	13.4	25.8
Personal computers (per 100 people)	37.6	67.4
Households with a television (%)	96	98
Usage		
International voice traffic (minutes per person per month)	14.0	14.0
Mobile telephone usage (minutes per user per month)	206	353
Internet users (per 100 people)	31.6	65.7
Quality	99	99
Population covered by mobile cellular network (%) Fixed broadband subscribers (% of total Internet subscribers)	99 19.9	82.6
	587	
International Internet bandwidth (bits per second per person) Affordability	367	18,242
Price basket for residential fixed line (\$ a month)	16.0	26.1
Price basket for mobile service (\$ a month)		13.0
Price basket for Internet service (\$ a month)		22.8
Price of call to United States (\$ for 3 minutes)	1.07	0.81
Trade		
ICT goods exports (% of total goods exports)	18.5	15.2
ICT goods imports (% of total goods imports)	17.9	14.6
ICT service exports (% of total service exports)	5.3	7.0
Applications		
ICT expenditure (% of GDP)		6.7
E-gov't Web measure index (0-1, 1=highest presence)		0.60
Secure Internet servers (per million people)	115.3	662.6

Country tables

China

Unless otherwise noted, data for China do not include data for Hong Kong, China; Macao, China; or Taiwan, China.

Montenegro

Montenegro declared independence from Serbia and Montenegro on June 3, 2006. Where available, data for Montenegro are shown separately.

Serbia

Some indicators for Serbia prior to 2006 include data for Montenegro. Moreover, data for most indicators from 1999 onward for Serbia exclude data for Kosovo, which in 1999 became a territory under international administration pursuant to UN Security Council Resolution 1244 (1999).

Afghanistan

South Asia

Low income

	Countr	y data	Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)			1,296
Urban population (% of total)	21	24	32
GNI per capita, World Bank Atlas method (\$)			574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)		10.7	5.6
Adult literacy rate (% ages 15 and older)	28		64
Gross primary, secondary, and tertiary enrollment (%)	12	43	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	Р	
Mobile telephone service		Р	
Internet service		Р	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	5.1	3.3
Mobile and fixed-line subscribers per employee		861	301
Telecommunications investment (% of revenue)		37.8	
Performance Access			
Telephone lines (per 100 people)			4.0
Mobile cellular subscriptions (per 100 people)			21.5
Internet subscribers (per 100 people)			0.8
Personal computers (per 100 people)			1.5
Households with a television (%)		62	16
Usage			
International voice traffic (minutes per person per month)			
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)			5.2
Quality			
Population covered by mobile cellular network (%)		72	54
Fixed broadband subscribers (% of total Internet subscribers	·	0.8	3.4
International Internet bandwidth (bits per second per person	1)		26
Affordability			
Price basket for residential fixed line (\$ a month)		17.8	5.7
Price basket for mobile service (\$ a month)		5.6	11.2
Price basket for Internet service (\$ a month)		24.0	
Price of call to United States (\$ for 3 minutes)		0.39	2.00
Trade			1.4
ICT goods exports (% of total goods exports)			1.4
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)			
Applications			
ICT expenditure (% of GDP) $E_{0}(0,1,1)$ = bighest presence)		 0.27	 0.11
E-gov't Web measure index (0–1, 1=highest presence) Secure Internet servers (per million people)			0.11
Secure internet servers (per million people)			0.5

Albania

Europe & Central Asia	Lower	middle	income
	Countr	y data	Lower middle- income group
	2000	2007	2007
Economic and social context			
Population (millions)	3	3	3,43
Urban population (% of total)	42	46	,
GNI per capita, World Bank Atlas method (\$)	1,170	3,300	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.2	5.3	
Adult literacy rate (% ages 15 and older)	99	99	83
Gross primary, secondary, and tertiary enrollment (%)	68	69	68
Structure			
Separate telecommunications regulator	Yes	Yes	;
Status of main fixed-line telephone operator	Public	Public	:
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	P	
Mobile telephone service	С	P	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	6.0	
Mobile and fixed-line subscribers per employee	40	710	
Telecommunications investment (% of revenue)	28.4	10.4	25.3
Performance			
Access			
Telephone lines (per 100 people)	5.0	8.9	
Mobile cellular subscriptions (per 100 people)	1.0	72.3	
Internet subscribers (per 100 people)	0.2	0.6	
Personal computers (per 100 people) Households with a television (%)	0.8 90	3.8 90	
Usage	90	90	
International voice traffic (minutes per person per month)	6.0	10.4	
Mobile telephone usage (minutes per user per month)	0.0	59	
Internet users (per 100 people)	0.1	14.9	
Quality	011	1 //0	
Population covered by mobile cellular network (%)	84	97	80
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	0.0	40.4
International Internet bandwidth (bits per second per persor	n) 4	216	199
Affordability			
Price basket for residential fixed line (\$ a month)	3.0	5.5	7.
Price basket for mobile service (\$ a month)		20.9	9.6
Price basket for Internet service (\$ a month)		16.3	16.
Price of call to United States (\$ for 3 minutes)	4.59	1.34	2.08
Trade	0.7	1.0	20.
ICT goods exports (% of total goods exports)	0.7 4.3		
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	4.3 4.8	3.5 3.6	
Applications	4.0	3.0	10.0
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0-1, 1=highest presence)		0.39	
- 50, t trob mousure much (0-1, 1-mgnest presence)		0.55	0.30

Secure Internet servers (per million people)

1.8

0.3

4.7

Algeria

GDP growth, 1995-2000 and 2000-07 (arg. annual %) 3.2 4.5 8.0 Adult literacy rate (% ages 15 and older) 70 75 83 Gross primary, secondary, and tertiary enrollment (%) 68 74 68 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Public Public Level of competition, partial comp., monopoly) International long distance service M P Internet service C C Efficiency and capacity Telecommunications revenue (% of GDP) 0.6 2.7 3.1 Mobile and fixed-line subscribers per employee 103 285 624 Telecommunications investment (% of revenue) 23.9 23.7 25.3 Performance Access 15.3 Mobile cellular subscriptions (per 100 people) 0.3 81.4 38.9 Internet subscriptions (per 100 people) 0.7 1.1 4.6 Households with a television (%) 79 91 79 Usage Internet subscripteres (per 100 people)	Middle East & North Africa	Lower middle i			North Africa Lower middle ind		income
Country data group 2000 2007 2007 Economic and social context Population (millions) 31 34 3,435 Urban population (% of total) 60 65 42 GNI per capita, World Bank Atlas method (\$) 1,610 3,620 1,905 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.2 4.5 8.0 Adult literacy rate (% ages 15 and older) 70 75 83 Gross primary, secondary, and tertiary enrollment (%) 68 74 68 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Public Public Level of competition (competition, partial comp., monopoly) Internet service M P Internet service M P Telecommunications revenue (% of GDP) 0.6 2.7 3.1 Mobile ellephone service M P Internet service 15.3 Mobile cellular subscribers per employee 103 28.5 624 Teleommunications investiment (% of revenue)				middle-			
Economic and social context Population (millions) 31 34 3,435 Urban population (% of total) 60 65 42 GNI per capita, World Bank Atlas method (\$) 1,610 3,620 1,905 GOP growth, 1995-2000 and 2000-07 (avg. annual %) 3.2 4.5 8.0 Adult literacy rate (% ages 15 and older) 70 75 83 Gross primary, secondary, and tertiary enrollment (%) 68 74 68 Structure Status of main fixed-line telephone operator Public Public Level of competition (competition, partial comp., monopoly) International long distance service M P Internet service C C Efficiency and capacity Telecommunications revenue (% of GDP) 0.6 2.7 3.1 Mobile and fixed-line subscribers per employee 103 285 624 Telecommunications investment (% of revenue) 23.9 23.7 25.3 Performance Access 9.1 15.3 Mobile cellular subscriptions (per 100 people) 0.3 81.4 38.9	-	Country	y data				
Population (millions) 31 34 3,435 Urban population (% of total) 60 65 42 GNI per capita, World Bank Atlas method (\$) 1,610 3,620 1,905 GOP growth, 1995-2000 and 2000-07 (avg. annual %) 3.2 4.5 8.0 Adutl literacy rate (% ages 15 and older) 70 75 83 Gross primary, secondary, and tertiary enrollment (%) 68 74 68 Structure Structure Structure (competition, partial comp., monopoly) Public Public Public Level of competition (competition, partial comp., monopoly) Internet service M P Internet service C C C Efficiency and capacity Elecommunications revenue (% of GDP) 0.6 2.7 3.1 Mobile and fixed-line subscribers per employee 103 285 624 Telecommunications investment (% of revenue) 23.9 23.7 25.3 Performance Access 9.1 15.3 Mobile cellular subscriptions (per 100 people) 0.3 81.4		2000	2007	2007			
Urban population (% of total) 60 65 42 GNI per capita, World Bank Atlas method (\$) 1,610 3,620 1,905 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.2 4.5 8.0 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.2 4.5 8.0 Gross primary, secondary, and tertiary enrollment (%) 68 74 68 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Public Public Level of competition (competition, partial comp., monopoly) Internet service M P Mobile telephone service M P Internet service . C C Efficiency and capacity Telecommunications revenue (% of GDP) 0.6 2.7 3.1 Mobile telephone subscribers per employee 103 285 624 Telecommunications investment (% of revenue) 2.3 2.3.7 25.3 Performance Access 1 1.5.3 Mobile cellular subscribiors (per 100 people) 0.2 0.6 0.0 </td <td>Economic and social context</td> <td></td> <td></td> <td></td>	Economic and social context						
GNI per capita, World Bank Atlas method (\$) 1,610 3,620 1,905 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.2 4.5 8.0 Adult literacy rate (% ages 15 and older) 70 75 83 Gross primary, secondary, and tertiary enrollment (%) 68 74 68 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Public Public Level of competition (competition, partial comp., monopoly) Internet service M P Mobile telephone service M P Mobile and fixed-line subscribers per employee 103 285 624 Telecommunications investment (% of GDP) 0.6 2.7 3.1 Mobile and fixed-line subscribers per employee 0.3 81.4 38.9 Internet subscriptions (per 100 people) 0.3 81.4 38.9 Internet subscripters (per 100 people) 0.7 1.1 4.6 Households with a television (%) 79 91 79 Usage Internet service (per 100 people) 0.	Population (millions)	31	34	3,435			
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.2 4.5 8.0 Adult literacy rate (% ages 15 and older) 70 75 83 Gross primary, secondary, and tertiary enrollment (%) 68 74 68 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Public Public Level of competition, partial comp., monopoly) International long distance service M P Internet service C C E Efficiency and capacity E E E E Elecommunications revenue (% of GDP) 0.6 2.7 3.1 Mobile and fixed-line subscribers per employee 103 285 624 Telecommunications investment (% of revenue) 2.3 2.5.3 S Performance Access 15.3 Mobile cellular subscriptions (per 100 people) 0.3 81.4 38.9 Internet subscripters (per 100 people) 0.7 1.1 4.6 Households with a television (%) 79 91 <	Urban population (% of total)	60	65	42			
Adult literacy rate (% ages 15 and older) 70 75 83 Gross primary, secondary, and tertiary enrollment (%) 68 74 68 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Public Public Public Level of competition, partial comp., monopoly) International long distance service M P Internet service . . C Efficiency and capacity Telecommunications revenue (% of GDP) 0.6 2.7 3.1 Mobile telephone service M P . Access Telecommunications investment (% of revenue) 23.9 23.7 25.3 Performance Access S 9.1 15.3 Mobile cellular subscriptions (per 100 people) 0.3 81.4 38.9 Internet subscribers (per 100 people) 0.7 1.1 4.6 Households with a television (%) 79 91 79 Usage Internet subscribers (w of total Internet subscribers) 0.0 7.1.1 4.6 Households with a television (%) 40 82	GNI per capita, World Bank Atlas method (\$)	1,610	3,620	1,905			
Gross primary, secondary, and tertiary enrollment (%)687468StructureSeparate telecommunications regulatorNoYesSeparate telecommunications regulatorPublicPublicLevel of competition (competition, partial comp., monopoly)International long distance serviceMPInternet serviceMPNoYesInternet serviceMPNoYesEfficiency and capacityTelecommunications revenue (% of GDP)0.62.73.1Mobile and fixed-line subscribers per employee103285624Telecommunications investment (% of revenue)23.923.725.3PerformanceAccessTelephone lines (per 100 people)0.381.438.9Internet subscribers (per 100 people)0.71.14.6Households with a television (%)799179UsageInternet subscribers (per 100 people)0.510.312.4QualityPopulation covered by mobile cellular network (%)408280Fixed broadband subscribers (% of total Internet subscribers)0.071.14.0Horadabal subscribers (% of total Internet subscribers)0.071.14.0Population covered by mobile cellular network (%)408280Fixed broadband subscribers (% of total Internet subscribers)0.071.14.0HoradabilityPrice basket for residential fixed line (\$ a month)5.716.7Price basket for in	GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.2	4.5	8.0			
Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Public Public Level of competition (competition, partial comp., monopoly) International long distance service M P International long distance service M P Internet service C Efficiency and capacity Telecommunications revenue (% of GDP) 0.6 2.7 3.1 Mobile and fixed-line subscribers per employee 103 285 624 Telecommunications investment (% of revenue) 23.9 23.7 25.3 Performance Access 15.3 Mobile cellular subscribers (per 100 people) 0.8 81.4 38.9 Internet subscribers (per 100 people) 0.7 1.4 6 6.0 Personal computers (per 100 people) 0.7 1.4 4 Hobile telephone usage (minutes per person per month) 141 322 Internet users (per 100 people) 0.5 10.3 1.4 40.4 40 80 Internet users (per 100 people) 0.5 10.3 1.4 40.3 1.5 </td <td>Adult literacy rate (% ages 15 and older)</td> <td>70</td> <td>75</td> <td>83</td>	Adult literacy rate (% ages 15 and older)	70	75	83			
Separate telecommunications regulatorNoYesStatus of main fixed-line telephone operatorPublicPublicLevel of competition (competition, partial comp., monopoly)International long distance serviceMPInternational long distance serviceMPNoMobile telephone serviceMPInternet service.CEfficiency and capacityTelecommunications revenue (% of GDP)0.62.73.1Mobile and fixed-line subscribers per employee103285624Telecommunications investment (% of revenue)23.923.725.3PerformanceAccessTelephone lines (per 100 people)0.881.438.9Internet subscribers (per 100 people)0.71.14.6Households with a television (%)799179UsageInternet users (per 100 people)0.510.312.4QualityPopulation covered by mobile cellular network (%)408280Fixed broadband subscribers (% of total Internet subscribers)0.071.140.4International lnternet bandwidth (bits per second per person)089199AffordabilityPrice basket for Internet service (\$ a month)7.49.8Price basket for Internet service (\$ a month)7.49.8Price basket for Internet service (\$ a month)7.49.8Price basket for Internet service (\$	Gross primary, secondary, and tertiary enrollment (%)	68	74	68			
Status of main fixed-line telephone operatorPublicPublicLevel of competition (competition, partial comp., monopoly)International long distance serviceMPInternational long distance serviceMPInternational long distance serviceMPInternet serviceCC Efficiency and capacity Telecommunications revenue (% of GDP)0.62.73.1Mobile and fixed-line subscribers per employee103285624Telecommunications investment (% of revenue)23.923.725.3 Performance AccessTelephone lines (per 100 people)5.89.115.3Mobile cellular subscriptions (per 100 people)0.71.14.6Households with a television (%)799179UsageInternational voice traffic (minutes per person per month)2.31.5Mobile telephone usage (minutes per user per month)1.41322International luternet bandwidth (bits per second per person)089199AffordabilityPrice basket for residential fixed line (% a month)7.49.8Price basket for nobile service (% a month)5.716.6Price basket for nobile service (% a month)5.716.7Price basket for nobile service (% a month) <t< td=""><td>Structure</td><td></td><td></td><td></td></t<>	Structure						
Level of competition (competition, partial comp., monopoly) International long distance serviceMPMobile telephone serviceMPInternet serviceCEfficiency and capacityElecommunications revenue (% of GDP)0.62.73.1Mobile and fixed-line subscribers per employee103285624Telecommunications investment (% of revenue)23.923.725.3PerformanceAccessS9.115.3Mobile cellular subscriptions (per 100 people)0.381.438.9Internet subscribers (per 100 people)0.71.14.6Households with a television (%)799179UsageInternet users (per 100 people)0.510.312.4QualityPopulation covered by mobile cellular network (%)408280Fixed broadband subscribers (% of total Internet subscribers)0.071.140.4International Internet bandwidth (bits per second per person)089199Affordability7.2Price basket for Internet service (\$ a month)5.716.7Price basket for Internet service (\$ a month)5.716.7Price of call to United States (\$ for 3 minutes)3.672.082.08Tordeo15.6Applications	Separate telecommunications regulator	No	Yes				
International long distance serviceMPMobile telephone serviceMPInternet serviceCEfficiency and capacityTelecommunications revenue (% of GDP)0.62.73.1Mobile and fixed-line subscribers per employee103285624Telecommunications investment (% of revenue)23.923.725.3PerformanceAccessTelephone lines (per 100 people)0.381.438.9Internet subscriptions (per 100 people)0.20.66.0Personal computers (per 100 people)0.71.14.6Households with a television (%)799179UsageInternet subscribers (per 100 people)0.510.312.4QualityPopulation al voice traffic (minutes per person per month)141322Internet users (per 100 people)0.510.312.4Quality14.4322Population covered by mobile cellular network (%)408280Fixed broadband subscribers (% of total Internet subscribers)0.071.140.4Internet bandwidth (bits per second per person)089199Affordability749.8Price basket for mobile service (\$ a month)5.716.7Price basket for Internet	Status of main fixed-line telephone operator	Public	Public				
Mobile telephone serviceMPInternet serviceCEfficiency and capacityTelecommunications revenue (% of GDP)0.62.73.1Mobile and fixed-line subscribers per employee103285624Telecommunications investment (% of revenue)23.923.725.3PerformanceAccessTelephone lines (per 100 people)0.381.438.9Internet subscriptions (per 100 people)0.71.14.6Households with a television (%)799179UsageInternational voice traffic (minutes per person per month)2.31.5Mobile telephone usage (minutes per user per month)1.41322Internet users (per 100 people)0.510.312.4QualityPrice basket for residential fixed line (\$ a month)141322Internet users (per 100 people)0.510.312.4QualityPopulation covered by mobile cellular network (%)408280Fixed broadband subscribers (% of total Internet subscribers)0.071.140.4Internet bandwidth (bits per second per person)089199AffordabilityPrice basket for residential fixed line (\$ a month)5.716.7 <td col<="" td=""><td>Level of competition (competition, partial comp., monopoly)</td><td></td><td></td><td></td></td>	<td>Level of competition (competition, partial comp., monopoly)</td> <td></td> <td></td> <td></td>	Level of competition (competition, partial comp., monopoly)					
Internet service . C Efficiency and capacity Telecommunications revenue (% of GDP) 0.6 2.7 3.1 Mobile and fixed-line subscribers per employee 103 285 624 Telecommunications investment (% of revenue) 23.9 23.7 25.3 Performance Access 5.8 9.1 15.3 Mobile cellular subscriptions (per 100 people) 0.3 81.4 38.9 Internet subscribers (per 100 people) 0.7 1.1 4.6 Households with a television (%) 79 91 79 Usage 0.5 10.3 12.4 Internet users (per 100 people) 0.5 10.3 12.4 Quality Population covered by mobile cellular network (%) 40 82 80 Fixed broadband subscribers (% of total Internet subscribers) 0.0 71.1 40.4 International Internet bandwidth (bits per second per person) 89 199 Affordability Price basket for residential fixed line (\$ a month) .5.7 16.7 Price basket for Internet service (International long distance service	М	Р				
Efficiency and capacity Telecommunications revenue (% of GDP) 0.6 2.7 3.1 Mobile and fixed-line subscribers per employee 103 285 624 Telecommunications investment (% of revenue) 23.9 23.7 25.3 Performance Access 7 15.3 Mobile cellular subscriptions (per 100 people) 0.3 81.4 38.9 Internet subscribers (per 100 people) 0.7 1.1 4.6 Households with a television (%) 79 91 79 Usage 0.5 10.3 12.4 Internet subscriptions (per 100 people) 0.5 10.3 12.4 Mouseholds with a television (%) 79 91 79 Usage 0.5 10.3 12.4 Quality Population covered by mobile cellular network (%) 40 82 80 Fixed broadband subscribers (% of total Internet subscribers) 0.0 71.1 40.4 International Internet bandwidth (bits per second per person) 89 199 Affordability 72 <t< td=""><td>Mobile telephone service</td><td>М</td><td>Р</td><td></td></t<>	Mobile telephone service	М	Р				
Telecommunications revenue (% of GDP) 0.6 2.7 3.1 Mobile and fixed-line subscribers per employee 103 285 624 Telecommunications investment (% of revenue) 23.9 23.7 25.3 Performance Access 7 15.3 Mobile cellular subscriptions (per 100 people) 0.3 81.4 38.9 Internet subscribers (per 100 people) 0.7 1.1 4.6 Households with a television (%) 79 91 79 Usage 0.5 10.3 12.4 Quality 0.5 10.3 12.4 Population covered by mobile cellular network (%) 40 82 80 Fixed broadband subscribers (% of total Internet subscribers) 0.0 71.1 40.4 Internet users (per 100 people) 0.5 10.3 12.4 Quality 90 91 72 91 Price basket for residential fixed line (\$ a month) 7.4 9.8 Price basket for Internet service (\$ a month) 5.7 16.7 Price basket for Internet service (\$ a month) 5.7 16	Internet service		С				
Mobile and fixed-line subscribers per employee 103 285 624 Telecommunications investment (% of revenue) 23.9 23.7 25.3 Performance Access 15.3 9.1 15.3 Mobile cellular subscriptions (per 100 people) 0.3 81.4 38.9 Internet subscribers (per 100 people) 0.2 0.6 6.0 Personal computers (per 100 people) 0.7 1.1 4.6 Households with a television (%) 79 91 79 Usage 1141 322 1.5 Mobile telephone usage (minutes per person per month) 141 322 Internet users (per 100 people) 0.5 10.3 12.4 Quality Population covered by mobile cellular network (%) 40 82 80 Fixed broadband subscribers (% of total Internet subscribers) 0.0 71.1 40.4 Internet bandwidth (bits per second per person) 0 89 199 Affordability 7.4 9.8 Price basket for Internet service (\$ a m	Efficiency and capacity						
Telecommunications investment (% of revenue) 23.9 23.7 25.3 Performance Access 7 15.3 Mobile cellular subscriptions (per 100 people) 0.3 81.4 38.9 Internet subscribers (per 100 people) 0.2 0.6 6.0 Personal computers (per 100 people) 0.7 1.1 4.6 Households with a television (%) 79 91 79 Usage 0.7 1.4 322 International voice traffic (minutes per person per month) 1.41 322 Internet users (per 100 people) 0.5 10.3 12.4 Quality 0 82 80 Fixed broadband subscribers (% of total Internet subscribers) 0.0 71.1 40.4 International Internet bandwidth (bits per second per person) 89 199 Affordability 72 72 72 74 9.8 Price basket for residential fixed line (\$ a month) 7.7 16.7 7.6 Price basket for Internet service (\$ a month) 5.7 16.7 72 Price basket for Internet service (\$ a month) <t< td=""><td>Telecommunications revenue (% of GDP)</td><td>0.6</td><td>2.7</td><td>3.1</td></t<>	Telecommunications revenue (% of GDP)	0.6	2.7	3.1			
Performance Access Telephone lines (per 100 people) 5.8 9.1 15.3 Mobile cellular subscriptions (per 100 people) 0.3 81.4 38.9 Internet subscribers (per 100 people) 0.2 0.6 6.0 Personal computers (per 100 people) 0.7 1.1 4.6 Households with a television (%) 79 91 79 Usage International voice traffic (minutes per person per month) 2.3 1.5 Mobile telephone usage (minutes per user per month) 141 322 Internet users (per 100 people) 0.5 10.3 12.4 Quality Population covered by mobile cellular network (%) 40 82 80 Fixed broadband subscribers (% of total Internet subscribers) 0.0 71.1 40.4 International Internet bandwidth (bits per second per person) 0 89 199 Affordability Price basket for residential fixed line (\$ a month) 7.4 9.8 Price basket for Internet service (\$ a month) 5.7 16.7	Mobile and fixed-line subscribers per employee	103	285	624			
AccessTelephone lines (per 100 people)5.89.115.3Mobile cellular subscriptions (per 100 people)0.381.438.9Internet subscribers (per 100 people)0.71.14.6Households with a television (%)799179UsageInternational voice traffic (minutes per person per month)2.31.5Mobile telephone usage (minutes per user per month)141322Internet users (per 100 people)0.510.312.4QualityPopulation covered by mobile cellular network (%)408280Fixed broadband subscribers (% of total Internet subscribers)0.071.140.4International Internet bandwidth (bits per second per person)089199AffordabilityPrice basket for residential fixed line (\$ a month)5.716.7Price basket for Internet service (\$ a month)5.716.7Price of call to United States (\$ for 3 minutes)3.672.082.08TradeICT goods imports (% of total goods exports)0.00.020.6ICT goods imports (% of total goods imports)5.96.920.2ICT service exports (% of total service exports)15.6ApplicationsICT expenditure (% of GDP)2.56.5E-gov't Web measure index (0-1, 1=highest presence)0.220.33	Telecommunications investment (% of revenue)	23.9	23.7	25.3			
Telephone lines (per 100 people) 5.8 9.1 15.3 Mobile cellular subscriptions (per 100 people) 0.3 81.4 38.9 Internet subscribers (per 100 people) 0.2 0.6 6.0 Personal computers (per 100 people) 0.7 1.1 4.6 Households with a television (%) 79 91 79 Usage International voice traffic (minutes per person per month) 141 322 International voice traffic (minutes per user per month) 141 322 Internet users (per 100 people) 0.5 10.3 12.4 Quality Population covered by mobile cellular network (%) 40 82 80 Fixed broadband subscribers (% of total Internet subscribers) 0.0 71.1 40.4 International Internet bandwidth (bits per second per person) 89 199 Affordability Price basket for residential fixed line (\$ a month) 7.4 9.8 Price basket for Internet service (\$ a month) 5.7 16.7 Price basket for Internet service (\$ a month) 5.7 16.7 Price basket for Internet service (\$	Performance						
Mobile cellular subscriptions (per 100 people)0.381.438.9Internet subscribers (per 100 people)0.20.66.0Personal computers (per 100 people)0.71.14.6Households with a television (%)799179UsageInternational voice traffic (minutes per person per month)2.31.5International voice traffic (minutes per user per month)141322Internet users (per 100 people)0.510.312.4QualityPopulation covered by mobile cellular network (%)408280Fixed broadband subscribers (% of total Internet subscribers)0.071.140.4International Internet bandwidth (bits per second per person)089199AffordabilityPrice basket for residential fixed line (\$ a month)7.49.8Price basket for Internet service (\$ a month)5.716.7Price of call to United States (\$ for 3 minutes)3.672.082.08TradeICT goods exports (% of total goods exports)0.00.020.6ICT goods imports (% of total goods exports)15.6ApplicationsICT expenditure (% of GDP)2.56.5E-gov't Web measure index (0-1, 1=highest presence)0.220.33	Access						
Internet subscribers (per 100 people) 0.2 0.6 6.0 Personal computers (per 100 people) 0.7 1.1 4.6 Households with a television (%) 79 91 79 Usage International voice traffic (minutes per person per month) 1.41 322 International voice traffic (minutes per user per month) .141 322 Internet users (per 100 people) 0.5 10.3 12.4 Quality Population covered by mobile cellular network (%) 40 82 80 Fixed broadband subscribers (% of total Internet subscribers) 0.0 71.1 40.4 International Internet bandwidth (bits per second per person) 0 89 199 Affordability Price basket for residential fixed line (\$ a month) 7.4 9.8 Price basket for Internet service (\$ a month) 5.7 16.7 Price basket for Internet service (\$ a month) 5.7 16.7 Price basket for Internet service (\$ a month) 5.7 16.7 ICT goods exports (% of total goods exports) 0.0 <	Telephone lines (per 100 people)	5.8	9.1	15.3			
Personal computers (per 100 people)0.71.14.6Households with a television (%)799179UsageInternational voice traffic (minutes per person per month)2.31.5Mobile telephone usage (minutes per user per month)141322Internet users (per 100 people)0.510.312.4QualityPopulation covered by mobile cellular network (%)408280Fixed broadband subscribers (% of total Internet subscribers)0.071.140.4International Internet bandwidth (bits per second per person)089199AffordabilityPrice basket for residential fixed line (\$ a month)4.528.37.2Price basket for Internet service (\$ a month)5.716.7Price of call to United States (\$ for 3 minutes)3.672.082.08TradeICT goods exports (% of total goods exports)0.00.020.2ICT service exports (% of total service exports)15.6ApplicationsICT expenditure (% of GDP)2.56.56.5E-gov't Web measure index (0-1, 1=highest presence)0.220.33	Mobile cellular subscriptions (per 100 people)	0.3	81.4	38.9			
Households with a television (%)799179UsageInternational voice traffic (minutes per person per month)2.31.5Mobile telephone usage (minutes per user per month)141322Internet users (per 100 people)0.510.312.4QualityPopulation covered by mobile cellular network (%)408280Fixed broadband subscribers (% of total Internet subscribers)0.071.140.4Internetional Internet bandwidth (bits per second per person)089199AffordabilityPrice basket for residential fixed line (\$ a month)4.528.37.2Price basket for Internet service (\$ a month)7.49.8Price of call to United States (\$ for 3 minutes)3.672.082.08TradeICT goods exports (% of total goods exports)0.00.020.6ICT goods imports (% of total goods imports)5.96.920.22ICT service exports (% of total service exports)15.6ApplicationsICT expenditure (% of GDP)2.56.5E-gov't Web measure index (0-1, 1=highest presence)0.220.33	Internet subscribers (per 100 people)	0.2	0.6	6.0			
Usage International voice traffic (minutes per person per month) 2.3 1.5 Mobile telephone usage (minutes per user per month) 141 322 Internet users (per 100 people) 0.5 10.3 12.4 Quality Population covered by mobile cellular network (%) 40 82 80 Fixed broadband subscribers (% of total Internet subscribers) 0.0 71.1 40.4 International Internet bandwidth (bits per second per person) 0 89 199 Affordability Price basket for residential fixed line (\$ a month) 4.5 28.3 7.2 Price basket for nobile service (\$ a month) 7.4 9.8 Price basket for Internet service (\$ a month) 5.7 16.7 Price of call to United States (\$ for 3 minutes) 3.67 2.08 2.08 Trade ICT goods exports (% of total goods exports) 0.0 0.0 20.6 ICT goods imports (% of total goods imports) 5.9 6.9 20.2 ICT service exports (% of total service exports) 15.6 Applications 15.6 6.5 5.9 <td< td=""><td>Personal computers (per 100 people)</td><td>0.7</td><td>1.1</td><td>4.6</td></td<>	Personal computers (per 100 people)	0.7	1.1	4.6			
International voice traffic (minutes per person per month) 2.3 1.5 Mobile telephone usage (minutes per user per month) 141 322 Internet users (per 100 people) 0.5 10.3 12.4 Quality Population covered by mobile cellular network (%) 40 82 80 Fixed broadband subscribers (% of total Internet subscribers) 0.0 71.1 40.4 International Internet bandwidth (bits per second per person) 0 89 199 Affordability Price basket for residential fixed line (\$ a month) 4.5 28.3 7.2 Price basket for nobile service (\$ a month) 7.4 9.8 Price basket for Internet service (\$ a month) 5.7 16.7 Price of call to linited States (\$ for 3 minutes) 3.67 2.08 2.08 Trade ICT goods exports (% of total goods exports) 0.0 0.0 20.6 ICT goods imports (% of total service exports) 15.6 Applications ICT expenditure (% of GDP) 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33	Households with a television (%)	79	91	79			
Mobile telephone usage (minutes per user per month)141322Internet users (per 100 people)0.510.312.4QualityPopulation covered by mobile cellular network (%)408280Fixed broadband subscribers (% of total Internet subscribers)0.071.140.4International Internet bandwidth (bits per second per person)089199AffordabilityPrice basket for residential fixed line (\$ a month)4.528.37.2Price basket for mobile service (\$ a month)7.49.8Price basket for Internet service (\$ a month)5.716.7Price of call to United States (\$ for 3 minutes)3.672.082.08TradeICT goods exports (% of total goods exports)0.00.020.6ICT goods imports (% of total goods imports)5.96.920.2ICT service exports (% of total service exports)15.6Applications2.56.5E-gov't Web measure index (0-1, 1=highest presence)0.220.33	-	23	15				
Internet users (per 100 people)0.510.312.4Quality08280Population covered by mobile cellular network (%)408280Fixed broadband subscribers (% of total Internet subscribers)0.071.140.4International Internet bandwidth (bits per second per person)089199Affordability9Price basket for residential fixed line (\$ a month).57.28.37.2Price basket for nobile service (\$ a month)7.49.8Price basket for Internet service (\$ a month)5.716.7Price of call to United States (\$ for 3 minutes)3.672.082.08Trade10.10.00.020.610.7ICT goods exports (% of total goods exports)0.00.020.6ICT service exports (% of total service exports)15.6Applications2.56.56.5E-gov't Web measure index (0-1, 1=highest presence)0.220.33							
Quality Population covered by mobile cellular network (%) 40 82 80 Fixed broadband subscribers (% of total Internet subscribers) 0.0 71.1 40.4 International Internet bandwidth (bits per second per person) 0 89 199 Affordability Price basket for residential fixed line (\$ a month) 4.5 28.3 7.2 Price basket for mobile service (\$ a month) 7.4 9.8 Price basket for Internet service (\$ a month) 5.7 16.7 Price of call to United States (\$ for 3 minutes) 3.67 2.08 2.08 Trade ICT goods exports (% of total goods exports) 0.0 0.0 20.6 ICT goods imports (% of total goods imports) 5.9 6.9 20.2 ICT service exports (% of total service exports) 15.6 Applications ICT expenditure (% of GDP) 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33							
Fixed broadband subscribers (% of total Internet subscribers) 0.0 71.1 40.4 International Internet bandwidth (bits per second per person) 0 89 199 Affordability Price basket for residential fixed line (\$ a month) 4.5 28.3 7.2 Price basket for mobile service (\$ a month) 7.4 9.8 Price basket for Internet service (\$ a month) 5.7 16.7 Price of call to United States (\$ for 3 minutes) 3.67 2.08 2.08 Trade ICT goods exports (% of total goods exports) 0.0 0.0 20.6 ICT goods imports (% of total goods imports) 5.9 6.9 20.2 ICT service exports (% of total service exports) 15.6 Applications 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33		0.5	10.5	12.7			
Fixed broadband subscribers (% of total Internet subscribers)0.071.140.4International Internet bandwidth (bits per second per person)089199Affordability9Price basket for residential fixed line (\$ a month)4.528.37.2Price basket for mobile service (\$ a month)7.49.8Price basket for Internet service (\$ a month)5.716.7Price of call to United States (\$ for 3 minutes)3.672.082.08Trade10.10.00.020.6ICT goods exports (% of total goods exports)0.00.020.6ICT service exports (% of total service exports)15.6Applications10.56.515.9ICT expenditure (% of GDP)2.56.5E-gov't Web measure index (0-1, 1=highest presence)0.220.33	Population covered by mobile cellular network (%)	40	82	80			
Affordability Price basket for residential fixed line (\$ a month) 4.5 28.3 7.2 Price basket for mobile service (\$ a month) 7.4 9.8 Price basket for Internet service (\$ a month) 5.7 16.7 Price basket for Internet service (\$ a month) 5.7 16.7 Price basket for Internet service (\$ a month) 5.7 16.7 Price basket for Internet service (\$ a month) 5.7 16.7 Price of call to United States (\$ for 3 minutes) 3.67 2.08 2.08 Trade 10.0 0.0 20.6 ICT goods exports (% of total goods exports) 0.0 0.0 20.2 ICT service exports (% of total service exports) 15.6 Applications 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33		s) 0.0	71.1	40.4			
Affordability Price basket for residential fixed line (\$ a month) 4.5 28.3 7.2 Price basket for mobile service (\$ a month) 7.4 9.8 Price basket for Internet service (\$ a month) 5.7 16.7 Price basket for Internet service (\$ a month) 5.7 16.7 Price basket for Internet service (\$ a month) 5.7 16.7 Price basket for Internet service (\$ a month) 5.7 16.7 Price of call to United States (\$ for 3 minutes) 3.67 2.08 2.08 Trade 10.0 0.0 20.6 ICT goods exports (% of total goods exports) 0.0 0.0 20.2 ICT service exports (% of total service exports) 15.6 Applications 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33	International Internet bandwidth (bits per second per persor	i) 0	89	199			
Price basket for mobile service (\$ a month) 7.4 9.8 Price basket for Internet service (\$ a month) 5.7 16.7 Price of call to United States (\$ for 3 minutes) 3.67 2.08 2.08 Trade 10.0 0.0 20.6 ICT goods exports (% of total goods exports) 0.0 0.0 20.6 ICT goods imports (% of total goods imports) 5.9 6.9 20.2 ICT service exports (% of total service exports) 15.6 Applications 15.6 ICT expenditure (% of GDP) 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33	Affordability						
Price basket for Internet service (\$ a month) 5.7 16.7 Price of call to United States (\$ for 3 minutes) 3.67 2.08 2.08 Trade 100 0.0 20.6 ICT goods exports (% of total goods exports) 0.0 0.0 20.6 ICT goods imports (% of total goods imports) 5.9 6.9 20.2 ICT service exports (% of total service exports) 15.6 Applications 15.6 ICT expenditure (% of GDP) 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33	Price basket for residential fixed line (\$ a month)	4.5	28.3	7.2			
Price of call to United States (\$ for 3 minutes) 3.67 2.08 2.08 Trade ICT goods exports (% of total goods exports) 0.0 0.0 20.6 ICT goods imports (% of total goods imports) 5.9 6.9 20.2 ICT service exports (% of total service exports) 15.6 Applications ICT expenditure (% of GDP) 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33	Price basket for mobile service (\$ a month)		7.4	9.8			
Trade ICT goods exports (% of total goods exports) 0.0 0.0 20.6 ICT goods imports (% of total goods imports) 5.9 6.9 20.2 ICT service exports (% of total service exports) 15.6 Applications ICT expenditure (% of GDP) 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33	Price basket for Internet service (\$ a month)		5.7	16.7			
ICT goods exports (% of total goods exports) 0.0 0.0 20.6 ICT goods imports (% of total goods imports) 5.9 6.9 20.2 ICT service exports (% of total service exports) 15.6 Applications 2.5 6.5 ICT expenditure (% of GDP) 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33	Price of call to United States (\$ for 3 minutes)	3.67	2.08	2.08			
ICT goods imports (% of total goods imports) 5.9 6.9 20.2 ICT service exports (% of total service exports) 15.6 Applications 2.5 6.5 ICT expenditure (% of GDP) 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33	Trade						
ICT service exports (% of total service exports) 15.6 Applications 2.5 6.5 ICT expenditure (% of GDP) 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33	ICT goods exports (% of total goods exports)	0.0	0.0	20.6			
Applications 2.5 6.5 ICT expenditure (% of GDP) 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33	ICT goods imports (% of total goods imports)	5.9	6.9	20.2			
ICT expenditure (% of GDP) 2.5 6.5 E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33	ICT service exports (% of total service exports)			15.6			
E-gov't Web measure index (0-1, 1=highest presence) 0.22 0.33	Applications						
	ICT expenditure (% of GDP)		2.5	6.5			
Conversion of the second	E-gov't Web measure index (0-1, 1=highest presence)		0.22	0.33			
Secure internet servers (per minion people) 0.5 1.8	Secure Internet servers (per million people)		0.5	1.8			

American Samoa

East	Asia	&	Pacific
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Upper middle income

	Country	y data	Upper middle- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	0.06	0.07	824
Urban population (% of total)	89	92	75
GNI per capita, World Bank Atlas method (\$)			7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)			4.3
Adult literacy rate (% ages 15 and older)			94
Gross primary, secondary, and tertiary enrollment (%)			82
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)	1		
International long distance service			
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)			
Mobile and fixed-line subscribers per employee	82		566
Telecommunications investment (% of revenue)			
Performance			
Access	47.0	10.0	
Telephone lines (per 100 people)	17.8	16.8	
Mobile cellular subscriptions (per 100 people)	3.5	3.6	
Internet subscribers (per 100 people)			
Personal computers (per 100 people)			
Households with a television (%) Usage			92
International voice traffic (minutes per person per month)			
Mobile telephone usage (minutes per user per month)			137
Internet users (per 100 people)			26.6
Quality Population covered by mobile cellular network (%)			95
Fixed broadband subscribers (% of total Internet subscribers	s)		47.0
International Internet bandwidth (bits per second per person			4 4 0 5
Affordability	i)		1,105
Price basket for residential fixed line (\$ a month)	10.1		10.6
Price basket for mobile service (\$ a month)			10.0
Price basket for Internet service (\$ a month)			10.4
Price of call to United States (\$ for 3 minutes)			1 55
Trade			1.00
ICT goods exports (% of total goods exports)			13.5
ICT goods imports (% of total goods imports)			10.0
ICT service exports (% of total service exports)			4.0
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)			
Secure Internet servers (per million people)		61.5	26.2

Andorra

High income

	Country	y data	High- income group
	2000	2007	2007
Economic and social context			
Population (millions)		0.08	1,056
Urban population (% of total)	92	89	78
GNI per capita, World Bank Atlas method (\$)			37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)			2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	65	63	92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	 Public	Public	
Level of competition (competition, partial comp., monopoly)		1 ubiic	
International long distance service	М	м	
Mobile telephone service	M	M	
Internet service		M	
Efficiency and capacity			3.1
Telecommunications revenue (% of GDP)			
Mobile and fixed-line subscribers per employee		439	747
Telecommunications investment (% of revenue)			14.3
Performance			
Access			
Telephone lines (per 100 people)		45.5	50.0
Mobile cellular subscriptions (per 100 people)		83.3	100.4
Internet subscribers (per 100 people)		33.1	25.8
Personal computers (per 100 people)			67.4
Households with a television (%)	98	99	98
Usage			
International voice traffic (minutes per person per month)			14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)		71.8	65.7
Quality			
Population covered by mobile cellular network (%)	91	99	99
Fixed broadband subscribers (% of total Internet subscribers	s) 19.1	72.4	82.6
International Internet bandwidth (bits per second per person	ı)	16,792	18,242
Affordability			
Price basket for residential fixed line (\$ a month)			26.1
Price basket for mobile service (\$ a month)		15.0	13.0
Price basket for Internet service (\$ a month)			22.8
Price of call to United States (\$ for 3 minutes)			0.81
Trade			
ICT goods exports (% of total goods exports)			15.2
ICT goods imports (% of total goods imports)			14.6
ICT service exports (% of total service exports)			7.0
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.28	0.60
Secure Internet servers (per million people)		632.4	662.6

Angola

Sub-Saharan A	frica
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Lower middle income

Sub-Saliaran Amea	LOWCI	innuure	meome
	Countr	v data	Lower middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	14	17	3,435
Urban population (% of total)	49	56	- /
GNI per capita, World Bank Atlas method (\$)	420	2,540	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	6.3	12.9	8.0
Adult literacy rate (% ages 15 and older)	67		83
Gross primary, secondary, and tertiary enrollment (%)	26		<u> </u>
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	C	
Mobile telephone service	Р	C	
Internet service	Р	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.2	2.0	3.1
Mobile and fixed-line subscribers per employee	43	586	624
Telecommunications investment (% of revenue)		25.3	25.3
Performance			
Access			
Telephone lines (per 100 people)	0.5	0.6	15.3
Mobile cellular subscriptions (per 100 people)	0.2	29.3	38.9
Internet subscribers (per 100 people)	0.0	0.3	
Personal computers (per 100 people)	0.1	0.7	
Households with a television (%)	9	9	79
Usage			
International voice traffic (minutes per person per month)	0.5		
Mobile telephone usage (minutes per user per month)		118	
Internet users (per 100 people)	0.1	2.9	12.4
Quality		40	80
Population covered by mobile cellular network (%)			
Fixed broadband subscribers (% of total Internet subscribers		0.0 17	
International Internet bandwidth (bits per second per person Affordability) 0	17	199
-	11.9	20.5	7.2
Price basket for residential fixed line (\$ a month) Price basket for mobile service (\$ a month)		20.5	
Price basket for Internet service (\$ a month)	 9.32	63.1 3.23	
Price of call to United States (\$ for 3 minutes)	9.52	3.23	2.00
Trade ICT goods exports (% of total goods exports)			20.6
ICT goods imports (% of total goods imports)			00.0
ICT service exports (% of total service exports)			45.0
Applications			10.0
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0-1, 1=highest presence)		0.44	
Secure Internet servers (per million people)		1.4	
occure internet servers (per minion people)		1.4	1.0

Antigua and Barbuda

High income

	Country	y data	High- income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.08	0.08	1,056
Urban population (% of total)	32	31	78
GNI per capita, World Bank Atlas method (\$)	8,100	11.650	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.6	5.4	2.4
Adult literacy rate (% ages 15 and older)	99		99
Gross primary, secondary, and tertiary enrollment (%)			92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)		1 00110	
International long distance service	, М	М	
Mobile telephone service	C	C	
Internet service	M	C	
Efficiency and capacity Telecommunications revenue (% of GDP)			3.1
Mobile and fixed-line subscribers per employee			747
Telecommunications investment (% of revenue)			14.3
Performance			
Access			
Telephone lines (per 100 people)	49.9	44.7	50.0
Mobile cellular subscriptions (per 100 people)	28.7	132.5	100.4
Internet subscribers (per 100 people)		13.5	25.8
Personal computers (per 100 people)	10.2	20.8	67.4
Households with a television (%)	91	98	98
Usage			
International voice traffic (minutes per person per month)	53.4	49.7	14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	6.5	70.7	65.7
Quality			
Population covered by mobile cellular network (%)	85	100	99
Fixed broadband subscribers (% of total Internet subscriber	s)	59.9	82.6
International Internet bandwidth (bits per second per perso	n) 358	16,802	18,242
Affordability			
Price basket for residential fixed line (\$ a month)		13.5	26.1
Price basket for mobile service (\$ a month)		12.3	13.0
Price basket for Internet service (\$ a month)		22.0	22.8
Price of call to United States (\$ for 3 minutes)			0.81
Trade			
ICT goods exports (% of total goods exports)	40.6	9.7	15.2
ICT goods imports (% of total goods imports)	10.1	8.2	14.6
ICT service exports (% of total service exports)	4.4	1.8	7.0
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0-1, 1=highest presence)		0.1.1	0.00
		0.14	0.60

Argentina

Latin America & Caribbean

Upper middle income

	Country data		Upper middle- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	37	40	824
Urban population (% of total)	90	92	75
GNI per capita, World Bank Atlas method (\$)	7,470	6,040	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.7	4.7	4.3
Adult literacy rate (% ages 15 and older)	97	98	94
Gross primary, secondary, and tertiary enrollment (%)	92	90	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly))		
International long distance service	Р	C	
Mobile telephone service	Р	C	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	3.1	3.3
Mobile and fixed-line subscribers per employee	700	1,929	
Telecommunications investment (% of revenue)	20.1		
Performance Access			
Telephone lines (per 100 people)	21.4	24.0	
Mobile cellular subscriptions (per 100 people)	17.6	102.3	
Internet subscribers (per 100 people)	3.3	8.6	
Personal computers (per 100 people)	6.9	9.0	
Households with a television (%) Usage	95	95	92
International voice traffic (minutes per person per month)	0.2	0.3	
Mobile telephone usage (minutes per user per month)	89	90	
Internet users (per 100 people)	7.0	25.9	
Quality	1.0	20.0	20.0
Population covered by mobile cellular network (%)	30	94	95
Fixed broadband subscribers (% of total Internet subscriber	s) 5.7	76.1	47.8
International Internet bandwidth (bits per second per person	n) 12	2,320	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	20.0	6.8	10.6
Price basket for mobile service (\$ a month)		7.8	10.9
Price basket for Internet service (\$ a month)		13.6	16.4
Price of call to United States (\$ for 3 minutes)	2.77		1.55
Trade			
ICT goods exports (% of total goods exports)	0.7	0.6	13.5
ICT goods imports (% of total goods imports)	15.3	13.1	16.2
ICT service exports (% of total service exports)	6.5	7.9	4.6
Applications			_
ICT expenditure (% of GDP)		6.0	
E-gov't Web measure index (0–1, 1=highest presence)		0.56	
Secure Internet servers (per million people)	6.4	18.3	26.2

Armenia

Lower middle income **Europe & Central Asia** Lower middleincome **Country data** group 2000 2007 2007 Economic and social context Population (millions) 3 3 3 4 3 5 Urban population (% of total) 65 64 42 GNI per capita, World Bank Atlas method (\$) 660 2,630 1,905 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 5.1 12.7 8.0 Adult literacy rate (% ages 15 and older) 99 99 83 Gross primary, secondary, and tertiary enrollment (%) 72 71 68 Structure Separate telecommunications regulator Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service М М Mobile telephone service М Ρ С Internet service С Efficiency and capacity Telecommunications revenue (% of GDP) 3.0 30 31 Mobile and fixed-line subscribers per employee 71 173 624 25.3 Telecommunications investment (% of revenue) 46.3 23.6 Performance Access Telephone lines (per 100 people) 17.3 19.7 15.3 Mobile cellular subscriptions (per 100 people) 0.6 62.4 38.9 Internet subscribers (per 100 people) 0.4 3.0 6.0 Personal computers (per 100 people) 0.8 9.8 46 Households with a television (%) 89 91 79 Usage International voice traffic (minutes per person per month) 3.3 10.7 Mobile telephone usage (minutes per user per month) 171 322 Internet users (per 100 people) 1.3 5.7 12.4 **Ouality** Population covered by mobile cellular network (%) 38 88 80 Fixed broadband subscribers (% of total Internet subscribers) 1.1 40.4 00 International Internet bandwidth (bits per second per person) 3 22 199 Affordability 72 Price basket for residential fixed line (\$ a month) 81 3.1 Price basket for mobile service (\$ a month) 8.7 9.8 16.7 Price basket for Internet service (\$ a month) 56.6 Price of call to United States (\$ for 3 minutes) 2.42 2.08 5.34 Trade ICT goods exports (% of total goods exports) 21 06 20.6 ICT goods imports (% of total goods imports) 7.0 5.8 20.2 ICT service exports (% of total service exports) 13.0 14 6 15.6 Applications ICT expenditure (% of GDP) 65 E-gov't Web measure index (0-1, 1=highest presence) 0.27 0.33

0.3

4.7

1.8

Secure Internet servers (per million people)

Aruba

High income

	Country data		High- income group
	2000	2007	2007
Economic and social context			
Population (millions)		0.10	1,056
Urban population (% of total)	47	47	78
GNI per capita, World Bank Atlas method (\$)			37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.4		2.4
Adult literacy rate (% ages 15 and older)	97	98	99
Gross primary, secondary, and tertiary enrollment (%)	87	86	92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International long distance service			
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8		3.1
Mobile and fixed-line subscribers per employee	130	541	747
Telecommunications investment (% of revenue)		1.2	
Performance			
Access		20.2	50.0
Telephone lines (per 100 people)		38.3	
Mobile cellular subscriptions (per 100 people)		144.5	
Internet subscribers (per 100 people)		 9.9	25.8 67.4
Personal computers (per 100 people)	 76	9.9 76	
Households with a television (%)	70	70	90
Usage			110
International voice traffic (minutes per person per month)			14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)		23.8	65.7
Quality			
Population covered by mobile cellular network (%)		90	
Fixed broadband subscribers (% of total Internet subscribers			82.6
International Internet bandwidth (bits per second per person	1)	1,795	18,242
Affordability			
Price basket for residential fixed line (\$ a month)		16.0	
Price basket for mobile service (\$ a month)		12.4	
Price basket for Internet service (\$ a month)			22.8
Price of call to United States (\$ for 3 minutes)	2.90		0.81
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	
ICT goods imports (% of total goods imports)	0.0	0.0	
ICT service exports (% of total service exports) Applications	1.1	1.0	7.0
			6.7
ICT expenditure (% of GDP)			0.60
E-gov't Web measure index (0–1, 1=highest presence)		 /17 ⊑	
Secure Internet servers (per million people)		417.5	002.0

Australia

High income

	Country data		High- income group
	2000	2007	2007
Economic and social context			
Population (millions)	19	21	1,056
Urban population (% of total)	87	89	78
GNI per capita, World Bank Atlas method (\$)	20,710	35,760	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.4	3.2	
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	113	113	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)		WIINCU	
International long distance service	С	С	
Mobile telephone service	C	C	
Internet service	C	C	
	0	0	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	3.6	
Mobile and fixed-line subscribers per employee	181	310	
Telecommunications investment (% of revenue)	30.9	18.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	52.5	46.4	
Mobile cellular subscriptions (per 100 people)	44.7	101.2	
Internet subscribers (per 100 people)	20.5	33.8	
Personal computers (per 100 people)	47.0	60.3	
Households with a television (%)	99	99	98
Usage			
International voice traffic (minutes per person per month)	18.7		14.0
Mobile telephone usage (minutes per user per month)	98	73	
Internet users (per 100 people)	46.8	68.1	65.7
Quality Population covered by mobile cellular network (%)	96	99	99
Fixed broadband subscribers (% of total Internet subscribers		68.0	
International Internet bandwidth (bits per second per person	'	5,472	
Affordability	1) 120	0,112	10,212
Price basket for residential fixed line (\$ a month)	17.4	28.4	26.1
Price basket for mobile service (\$ a month)		24.1	13.0
Price basket for Internet service (\$ a month)		25.1	22.8
Price of call to United States (\$ for 3 minutes)	0.67		0.81
Trade	0.07		0.01
ICT goods exports (% of total goods exports)	3.2	1.8	15.2
ICT goods imports (% of total goods imports)	16.3	1.8	
ICT service exports (% of total service exports)	7.0	4.6	
Applications	1.0	4.0	1.0
ICT expenditure (% of GDP)		6.6	6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.0	0.60
Secure Internet servers (per million people)	 176.3	993.2	662.6
	1/0.3	əə3.2	002.0

Austria

High income

	Countr	Country data		Country data	
	2000	2007	group 2007		
Economic and social context					
Population (millions)	8	8	1,056		
Urban population (% of total)	66	67	78		
GNI per capita, World Bank Atlas method (\$)	26,010	41,960	37,572		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.9	2.0	2.4		
Adult literacy rate (% ages 15 and older)			99		
Gross primary, secondary, and tertiary enrollment (%)	91	92	92		
Structure					
Separate telecommunications regulator	Yes	Yes			
Status of main fixed-line telephone operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly))				
International long distance service	С	С			
Mobile telephone service	Р	Р			
Internet service	С	С			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	2.3	2.1	3.1		
Mobile and fixed-line subscribers per employee	545	747	747		
Telecommunications investment (% of revenue)	18.8	15.3	14.3		
Performance					
Access					
Telephone lines (per 100 people)	49.9	41.0			
Mobile cellular subscriptions (per 100 people)	76.4	119.2			
Internet subscribers (per 100 people)	13.1	30.3			
Personal computers (per 100 people)	36.2	60.7	• · · ·		
Households with a television (%)	97	98	98		
Usage	05.0	00.4			
International voice traffic (minutes per person per month)	25.2	22.1			
Mobile telephone usage (minutes per user per month)	123	186			
Internet users (per 100 people)	33.7	67.4	65.7		
Quality Population covered by mobile cellular network (%)	98	99	99		
Fixed broadband subscribers (% of total Internet subscriber		64.3			
International Internet bandwidth (bits per second per person		20,288			
Affordability	., 1,001	20,200	10,2 .2		
Price basket for residential fixed line (\$ a month)	23.3	29.0	26.1		
Price basket for mobile service (\$ a month)		25.1			
Price basket for Internet service (\$ a month)		27.2			
Price of call to United States (\$ for 3 minutes)	1.19	0.71			
Trade					
ICT goods exports (% of total goods exports)	7.9	6.3	15.2		
ICT goods imports (% of total goods imports)	10.9	8.2	14.6		
ICT service exports (% of total service exports)	3.4	6.3			
Applications					
ICT expenditure (% of GDP)		5.6	6.7		
E-gov't Web measure index (0–1, 1=highest presence)		0.67	0.60		
	83.2				

Azerbaijan

Europe & Central Asia

Lower middle income

Europe & Central Asia	Lower middle		e income	
	Countr	y data	Lower middle- income group	
_	2000	2007	2007	
Economic and social context				
Population (millions)	8	9	3,435	
Urban population (% of total)	51	52	42	
GNI per capita, World Bank Atlas method (\$)	610	2,640	1,905	
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	7.3	17.6	8.0	
Adult literacy rate (% ages 15 and older)	99	100	83	
Gross primary, secondary, and tertiary enrollment (%)	66	67	68	
Structure				
Separate telecommunications regulator		No		
Status of main fixed-line telephone operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International long distance service	М	P	•	
Mobile telephone service	С	P)	
Internet service		C		
Efficiency and capacity				
Telecommunications revenue (% of GDP)	1.6	2.6	3.1	
Mobile and fixed-line subscribers per employee	123	413	624	
Telecommunications investment (% of revenue)	27.9	23.6	25.3	
Performance				
Access				
Telephone lines (per 100 people)	10.0	14.6	15.3	
Mobile cellular subscriptions (per 100 people)	5.2	52.8	38.9	
Internet subscribers (per 100 people)	0.0	2.5	6.0	
Personal computers (per 100 people)	0.7	2.4	4.6	
Households with a television (%)	99	99	79	
Usage				
International voice traffic (minutes per person per month)	1.0	2.7	,	
Mobile telephone usage (minutes per user per month)		78	322	
Internet users (per 100 people)	0.1	10.8	12.4	
Quality				
Population covered by mobile cellular network (%)	94	99		
Fixed broadband subscribers (% of total Internet subscribers		2.6		
International Internet bandwidth (bits per second per person	i) 0	701	199	
Affordability				
Price basket for residential fixed line (\$ a month)	17.6	5.3		
Price basket for mobile service (\$ a month)		15.1		
Price basket for Internet service (\$ a month)		10.3		
Price of call to United States (\$ for 3 minutes)	7.10	4.18	2.08	
Trade				
ICT goods exports (% of total goods exports)	0.3	0.1		
ICT goods imports (% of total goods imports)	10.6	6.1		
ICT service exports (% of total service exports)		3.1	15.6	
Applications				
ICT expenditure (% of GDP)				
E-gov't Web measure index (0–1, 1=highest presence)		0.39		
Secure Internet servers (per million people)	0.1	1.6	1.8	

Bahamas, The

High income

_	Country	Country data	
	2000	2007	2007
Economic and social context			
Population (millions)	0.30	0.33	1,056
Urban population (% of total)	82	84	78
GNI per capita, World Bank Atlas method (\$)	15,300	17,160	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.7	2.0	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	66	71	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Р	
Mobile telephone service	М	М	
Internet service	М	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.1
Mobile and fixed-line subscribers per employee	132	410	747
Telecommunications investment (% of revenue)			14.3
Performance			
Access	077	40.4	50.0
Telephone lines (per 100 people)	37.7	40.1	50.0
Mobile cellular subscriptions (per 100 people)	10.4	112.9	100.4
Internet subscribers (per 100 people)	2.8	7.6	25.8
Personal computers (per 100 people)	9.0 84	12.4 93	
Households with a television (%)	04	93	90
Usage	E1 7	40.7	110
International voice traffic (minutes per person per month)	51.7	48.7	
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	4.3	36.2	65.7
Quality	05	100	00
Population covered by mobile cellular network (%)	95	100	
Fixed broadband subscribers (% of total Internet subscribers	·	51.6	
International Internet bandwidth (bits per second per person	n) 146	2,808	18,242
Affordability			26.1
Price basket for residential fixed line (\$ a month)		 9.5	13.0
Price basket for mobile service (\$ a month)			
Price basket for Internet service (\$ a month)		25.0	
Price of call to United States (\$ for 3 minutes)	2.40		0.81
Trade	0.6	0.3	15.2
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)	3.9	3.2	
ICT service exports (% of total service exports)			7.0
Applications			6.7
ICT expenditure (% of GDP)		 0.30	0.60
E-gov't Web measure index (0–1, 1=highest presence)			
Secure Internet servers (per million people)	71.6	241.8	662.6

Bahrain

High income

	Country data i	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	0.65	0.75	1,056
Urban population (% of total)	88	88	78
GNI per capita, World Bank Atlas method (\$)	10,740	17,390	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.3	6.1	2.4
Adult literacy rate (% ages 15 and older)	87	89	99
Gross primary, secondary, and tertiary enrollment (%)	81	86	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)		iiiiitou	
International long distance service	М	С	
Mobile telephone service	M	P	
Internet service	M	C	
Efficiency and capacity Telecommunications revenue (% of GDP)	4.9	4.3	3.1
Mobile and fixed-line subscribers per employee	180	567	747
Telecommunications investment (% of revenue)	21.4	14.9	14.3
Performance			
Access			
Telephone lines (per 100 people)	26.3	26.3	50.0
Mobile cellular subscriptions (per 100 people)	31.6	148.2	100.4
Internet subscribers (per 100 people)	3.4	9.2	25.8
Personal computers (per 100 people)	14.6	18.3	67.4
Households with a television (%)	97	91	98
Usage			
International voice traffic (minutes per person per month)	34.0	48.9	14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	6.2	33.2	65.7
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	99.1	82.6
International Internet bandwidth (bits per second per person	ı) 293	2,544	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	7.2	5.7	26.1
Price basket for mobile service (\$ a month)		6.6	13.0
Price basket for Internet service (\$ a month)		30.0	22.8
Price of call to United States (\$ for 3 minutes)	3.39	1.74	0.81
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	15.2
ICT goods imports (% of total goods imports)	3.6	2.3	14.6
ICT service exports (% of total service exports)			7.0
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0-1, 1=highest presence)		0.52	0.60
Secure Internet servers (per million people)	16.5	78.2	662.6

Bangladesh

South Asia

Low income

	Countr	y data	Low- income group
	2000	2007	2007
Economic and social context			
Population (millions)	139	159	1,296
Urban population (% of total)	24	27	32
GNI per capita, World Bank Atlas method (\$)	360	470	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.2	5.7	5.6
Adult literacy rate (% ages 15 and older)	47	53	64
Gross primary, secondary, and tertiary enrollment (%)	58	56	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	С	С	
Internet service		С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.8	1.5	3.3
Mobile and fixed-line subscribers per employee	48		301
Telecommunications investment (% of revenue)	25.1		
Performance			
Access			
Telephone lines (per 100 people)	0.4	0.7	4.0
Mobile cellular subscriptions (per 100 people)	0.2	21.7	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.1	2.2	1.5
Households with a television (%)	20	48	16
Usage			
International voice traffic (minutes per person per month)	0.1	0.5	
Mobile telephone usage (minutes per user per month)	313	249	
Internet users (per 100 people)	0.1	0.3	5.2
Quality			
Population covered by mobile cellular network (%)	40	90	
Fixed broadband subscribers (% of total Internet subscribers	·	0.0	
International Internet bandwidth (bits per second per persor	ı) O	4	26
Affordability			
Price basket for residential fixed line (\$ a month)	10.7	4.0	
Price basket for mobile service (\$ a month)		2.6	
Price basket for Internet service (\$ a month)		22.1	
Price of call to United States (\$ for 3 minutes)	4.14	2.02	2.00
Trade	_	_	
ICT goods exports (% of total goods exports)	0.0	0.1	1.4
ICT goods imports (% of total goods imports)	3.3	4.4	6.7
ICT service exports (% of total service exports)	3.0	5.7	
Applications			
ICT expenditure (% of GDP)		8.0	
E-gov't Web measure index (0–1, 1=highest presence)		0.35	
Secure Internet servers (per million people)	0.0	0.1	0.5

Barbados

High income

	Countr	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	0.29	0.29	1,056
Urban population (% of total)	36	39	78
GNI per capita, World Bank Atlas method (\$)	8,480		37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.7		2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	88		92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Private	Mixed	
Level of competition (competition, partial comp., monopoly)		WINCO	
International long distance service	М	Р	
Mobile telephone service	C	P	
Internet service		P	
Efficiency and capacity	6.6	E 0	3.1
Telecommunications revenue (% of GDP)	6.6	5.8	
Mobile and fixed-line subscribers per employee	172	365	747
Telecommunications investment (% of revenue)	15.8	12.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	43.2	46.2	50.0
Mobile cellular subscriptions (per 100 people)	9.9	80.9	100.4
Internet subscribers (per 100 people)			25.8
Personal computers (per 100 people)	7.7	13.7	67.4
Households with a television (%)	74	93	98
Usage			
International voice traffic (minutes per person per month)	38.8	47.1	14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	3.5	54.8	65.7
Quality			
Population covered by mobile cellular network (%)	95	100	99
Fixed broadband subscribers (% of total Internet subscribers	s)		82.6
International Internet bandwidth (bits per second per persor	ı)	1,766	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	16.3	17.8	26.1
Price basket for mobile service (\$ a month)		11.3	13.0
Price basket for Internet service (\$ a month)		25.6	22.8
Price of call to United States (\$ for 3 minutes)	4.05	1.95	0.81
Trade			
ICT goods exports (% of total goods exports)	9.1	5.3	15.2
ICT goods imports (% of total goods imports)	8.7	11.0	14.6
ICT service exports (% of total service exports)	4.1	3.8	7.0
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.30	0.60
Secure Internet servers (per million people)	48.7	227.2	662.6

Belarus

Europe & Central Asia

Upper middle income

	Countr	Country data		Upp midd country data	
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	10	10	824		
Urban population (% of total)	70	73	75		
GNI per capita, World Bank Atlas method (\$)	1,380	4,220	7,107		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	6.7	8.3	4.3		
Adult literacy rate (% ages 15 and older)	100	100	94		
Gross primary, secondary, and tertiary enrollment (%)	87	89	82		
Structure					
Separate telecommunications regulator		No			
Status of main fixed-line telephone operator	Public	Public			
Level of competition (competition, partial comp., monopoly)					
International long distance service	М	Μ			
Mobile telephone service	С	C			
Internet service		C			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	1.5	2.1	3.3		
Mobile and fixed-line subscribers per employee	105	280	566		
Telecommunications investment (% of revenue)	28.8	41.3			
Performance					
Access					
Telephone lines (per 100 people)	27.5	37.8			
Mobile cellular subscriptions (per 100 people)	0.5	71.7			
Internet subscribers (per 100 people)	0.0	4.2			
Personal computers (per 100 people)		0.8			
Households with a television (%) Usage	87	97	92		
International voice traffic (minutes per person per month)	3.3	5.3			
Mobile telephone usage (minutes per user per month)		500	137		
Internet users (per 100 people)	1.9	29.0	26.6		
Quality					
Population covered by mobile cellular network (%)	62	93	95		
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	2.8	47.8		
International Internet bandwidth (bits per second per person	ı) 2	264	1,185		
Affordability					
Price basket for residential fixed line (\$ a month)	1.2	1.6	10.6		
Price basket for mobile service (\$ a month)		11.8	10.9		
Price basket for Internet service (\$ a month)		10.5	16.4		
Price of call to United States (\$ for 3 minutes)	3.28	1.90	1.55		
Trade					
ICT goods exports (% of total goods exports)	1.9	0.8			
ICT goods imports (% of total goods imports)	2.9	3.0			
ICT service exports (% of total service exports)	5.4	6.8	4.6		
Applications					
ICT expenditure (% of GDP)					
E-gov't Web measure index (0–1, 1=highest presence)		0.33			
Secure Internet servers (per million people)	0.4	2.1	26.2		

Belgium

High income

	Country data		Country data		High- income group
	2000	2007	2007		
Economic and social context					
Population (millions)	10	11	1,056		
Urban population (% of total)	97	97	78		
GNI per capita, World Bank Atlas method (\$)	25,360	41,110	37,572		
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.7	2.0	2.4		
Adult literacy rate (% ages 15 and older)			99		
Gross primary, secondary, and tertiary enrollment (%)	107	95	92		
Structure					
Separate telecommunications regulator	Yes	Yes			
Status of main fixed-line telephone operator	Mixed	Mixed			
		wiikeu			
Level of competition (competition, partial comp., monopoly)	С	C			
International long distance service	C P	C			
Mobile telephone service					
Internet service	С	С			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	1.9	3.0	3.1		
Mobile and fixed-line subscribers per employee	374	690	747		
Telecommunications investment (% of revenue)	33.7	12.3	14.3		
Performance					
Access					
Telephone lines (per 100 people)	49.1	43.9	50.0		
Mobile cellular subscriptions (per 100 people)	54.9	101.1	100.4		
Internet subscribers (per 100 people)	11.2	26.9	25.8		
Personal computers (per 100 people)	22.4	41.7	67.4		
Households with a television (%)	99	99	98		
Usage					
International voice traffic (minutes per person per month)	26.4		14.0		
Mobile telephone usage (minutes per user per month)	105	158	353		
Internet users (per 100 people)	29.3	65.9	65.7		
Quality	2010	0010			
Population covered by mobile cellular network (%)	99	100	99		
Fixed broadband subscribers (% of total Internet subscribers		94.9	82.6		
International Internet bandwidth (bits per second per person		24,945	18,242		
Affordability	1) 1,020	21,010	10,212		
Price basket for residential fixed line (\$ a month)	22.0	33.1	26.1		
Price basket for mobile service (\$ a month)		18.2	13.0		
Price basket for Internet service (\$ a month)		37.6	22.8		
Price of call to United States (\$ for 3 minutes)	 1.67	0.75	0.81		
Trade	1.07	0.75	0.01		
	6.2	3.7	15.2		
ICT goods exports (% of total goods exports)	7.6	3.7 4.8	15.2		
ICT goods imports (% of total goods imports)					
ICT service exports (% of total service exports)	7.4	8.7	7.0		
Applications		F 0	0 7		
ICT expenditure (% of GDP)		5.8	6.7		
E-gov't Web measure index (0–1, 1=highest presence)		0.54	0.60		
Secure Internet servers (per million people)	33.2	250.2	662.6		

Belize

Upper middle income

Eatin America & Caribbean	0000	initiatio	meenic
	Countr	y data	Upper middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	0.25	0.30	824
Urban population (% of total)	48	51	75
GNI per capita, World Bank Atlas method (\$)	3,090	3,760	7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.6	5.0	4.3
Adult literacy rate (% ages 15 and older)			94
Gross primary, secondary, and tertiary enrollment (%)	71	82	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	1
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service			
Internet service	М	М	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.0	5.2	3.
Mobile and fixed-line subscribers per employee	132	315	56
Telecommunications investment (% of revenue)	15.1	24.4	
Performance			
Access			
Telephone lines (per 100 people)	14.3	11.2	22.
Mobile cellular subscriptions (per 100 people)	6.7	38.9	84.
Internet subscribers (per 100 people)	1.7	2.6	9.
Personal computers (per 100 people)	12.0	14.8	12.
Households with a television (%)	35	93	9
Usage			
International voice traffic (minutes per person per month)	10.0	12.2	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	6.0	10.5	26.
Quality			
Population covered by mobile cellular network (%)			
Fixed broadband subscribers (% of total Internet subscribers	·	82.7	
International Internet bandwidth (bits per second per persor	ı) 12	592	1,18
Affordability			
Price basket for residential fixed line (\$ a month)	9.3	17.6	
Price basket for mobile service (\$ a month)		16.3	
Price basket for Internet service (\$ a month)		44.4	
Price of call to United States (\$ for 3 minutes)	4.45	2.59	1.5
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	
ICT goods imports (% of total goods imports)	4.5	2.7	
ICT service exports (% of total service exports)	4.7	3.2	4.
Applications			
ICT expenditure (% of GDP)			5.
E-gov't Web measure index (0–1, 1=highest presence)		0.30	
Secure Internet servers (per million people)	31.1	309.2	26.

Benin

Sub-Saharan Africa

Low income

	Country data		Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	7	9	1,296
Urban population (% of total)	38	41	32
GNI per capita, World Bank Atlas method (\$)	340	570	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.3	3.8	5.6
Adult literacy rate (% ages 15 and older)	35	41	64
Gross primary, secondary, and tertiary enrollment (%)	40	51	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator		Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	М	С	
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.1	3.3
Mobile and fixed-line subscribers per employee	87	1,539	301
Telecommunications investment (% of revenue)	54.2	5.2	
Performance			
Access			
Telephone lines (per 100 people)	0.7	1.2	
Mobile cellular subscriptions (per 100 people)	0.8	21.1	
Internet subscribers (per 100 people)	0.0	0.1	
Personal computers (per 100 people)	0.1	0.7	1.5
Households with a television (%)	15	13	16
Usage	0.4		
International voice traffic (minutes per person per month)	0.4	0.9	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.2	1.7	5.2
Quality	23	80	54
Population covered by mobile cellular network (%) Fixed broadband subscribers (% of total Internet subscribers		24.8	
		24.0 17	3.4 26
International Internet bandwidth (bits per second per person Affordability	i) U	17	20
Price basket for residential fixed line (\$ a month)	11.3	5.3	5.7
Price basket for mobile service (\$ a month)		10.3	
Price basket for Internet service (\$ a month)		43.1	
Price of call to United States (\$ for 3 minutes)	 5.93	4.80	
Trade	5.55	4.00	2.00
ICT goods exports (% of total goods exports)	0.0	0.0	1.4
ICT goods imports (% of total goods imports)	3.3	3.3	
ICT service exports (% of total service exports)		5.4	
Applications		0.1	
ICT expenditure (% of GDP)			
E-gov't Web measure index (0-1, 1=highest presence)		0.12	0.11
Secure Internet servers (per million people)	0.1	0.2	0.5

Bermuda

High income

	Country	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	0.06	0.06	1,056
Urban population (% of total)	100	100	78
GNI per capita, World Bank Atlas method (\$)			37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.6	4.2	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	87		92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International long distance service			
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	3.8	3.1
Mobile and fixed-line subscribers per employee	151	178	747
Telecommunications investment (% of revenue)	33.0	11.3	14.3
Performance			
Access			
Telephone lines (per 100 people)	90.2	90.4	
Mobile cellular subscriptions (per 100 people)	20.9	94.2	
Internet subscribers (per 100 people)		59.4	
Personal computers (per 100 people)	48.3	22.5	
Households with a television (%)			98
Usage			
International voice traffic (minutes per person per month)			14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	43.5	75.0	65.7
Quality			
Population covered by mobile cellular network (%)		98	
Fixed broadband subscribers (% of total Internet subscribers		62.4	
International Internet bandwidth (bits per second per person	1)	8,699	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	39.0	38.9	
Price basket for mobile service (\$ a month)		12.2	13.0
Price basket for Internet service (\$ a month)			22.8
Price of call to United States (\$ for 3 minutes)			0.81
Trade			
ICT goods exports (% of total goods exports)			15.2
ICT goods imports (% of total goods imports)			14.6
ICT service exports (% of total service exports)			7.0
Applications			-
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0–1, 1=highest presence)			0.60
Secure Internet servers (per million people)	496.3	2,492.2	662.6

Bhutan

South Asia

Lower middle income

South Asia	Lower middle		income
	Countr	y data	Lower middle- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	0.56	0.66	3,435
Urban population (% of total)	25	33	42
GNI per capita, World Bank Atlas method (\$)	800	1,770	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	6.3	8.7	8.0
Adult literacy rate (% ages 15 and older)		53	83
Gross primary, secondary, and tertiary enrollment (%)			68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service		С	
Internet service		С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	2.3	3.1
Mobile and fixed-line subscribers per employee	41	141	624
Telecommunications investment (% of revenue)	26.2	81.1	25.3
Performance			
Access			
Telephone lines (per 100 people)	2.5	4.5	15.3
Mobile cellular subscriptions (per 100 people)	0.0	22.7	38.9
Internet subscribers (per 100 people)	0.1	0.9	6.0
Personal computers (per 100 people)	0.9	2.6	4.6
Households with a television (%)	2		79
Usage			
International voice traffic (minutes per person per month)		3.4	
Mobile telephone usage (minutes per user per month)			322
Internet users (per 100 people)	0.4	6.1	12.4
Quality			
Population covered by mobile cellular network (%)		21	80
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	0.0	
International Internet bandwidth (bits per second per persor	ı) 2	68	199
Affordability			
Price basket for residential fixed line (\$ a month)	4.9	4.3	
Price basket for mobile service (\$ a month)		3.9	
Price basket for Internet service (\$ a month)		15.1	
Price of call to United States (\$ for 3 minutes)	1.19	0.66	2.08
Trade			
ICT goods exports (% of total goods exports)			20.6
ICT goods imports (% of total goods imports)	12.3		20.2
ICT service exports (% of total service exports)			15.6
Applications			
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0–1, 1=highest presence)		0.41	
Secure Internet servers (per million people)			1.8

Bolivia

Latin America & Caribbean	Lower	middle	income
	Country	y data	Lower middle- income group
	2000	2007	2007
Economic and social context			
Population (millions)	8	10	3,435
Urban population (% of total)	62	65	42
GNI per capita, World Bank Atlas method (\$)	1,000	1,260	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.5	3.6	8.0
Adult literacy rate (% ages 15 and older)	87	91	83
Gross primary, secondary, and tertiary enrollment (%)	84	86	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	Р	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	6.8	3.1
Mobile and fixed-line subscribers per employee	451	376	624
Telecommunications investment (% of revenue)	43.4	3.8	25.3
Performance			
Access			
Telephone lines (per 100 people)	6.1	7.1	
Mobile cellular subscriptions (per 100 people)	7.0	34.2	38.9
Internet subscribers (per 100 people)	0.5	2.1	
Personal computers (per 100 people)	1.7	2.4	
Households with a television (%) Usage	46	63	79
International voice traffic (minutes per person per month)	1.2	6.7	
Mobile telephone usage (minutes per user per month)		0.7	322
Internet users (per 100 people)	1.4		
Quality		1010	
Population covered by mobile cellular network (%)	43	46	80
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	17.1	40.4
International Internet bandwidth (bits per second per person	i) 2	42	199
Affordability			
Price basket for residential fixed line (\$ a month)	11.6	8.5	7.2
Price basket for mobile service (\$ a month)		5.6	9.8
Price basket for Internet service (\$ a month)		12.1	16.7
Price of call to United States (\$ for 3 minutes)	2.43		2.08
Trade			
ICT goods exports (% of total goods exports)	0.7	0.1	20.6
ICT goods imports (% of total goods imports)	7.6	4.9	
ICT service exports (% of total service exports)	15.9	12.5	15.6
Applications			
ICT expenditure (% of GDP)		5.8	
E-gov't Web measure index (0–1, 1=highest presence)		0.52	
Secure Internet servers (per million people)	0.6	3.8	1.8

Bosnia and Herzegovina

Europe & Central Asia

Lower middle income

	Country	y data	Lower middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	4	4	3,435
Urban population (% of total)	43	47	42
GNI per capita, World Bank Atlas method (\$)	1,500	3,790	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	25.2	5.3	8.0
Adult literacy rate (% ages 15 and older)	97		83
Gross primary, secondary, and tertiary enrollment (%)			68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	С	
Mobile telephone service	Р	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.3	5.7	
Mobile and fixed-line subscribers per employee	480	657	624
Telecommunications investment (% of revenue)	22.8	13.6	25.3
Performance			
Access			
Telephone lines (per 100 people)	21.1	28.2	
Mobile cellular subscriptions (per 100 people)	2.5	64.9	
Internet subscribers (per 100 people)	0.4	7.3	
Personal computers (per 100 people)	3.9	6.4	
Households with a television (%) Usage	87	96	79
International voice traffic (minutes per person per month)	7.7	20.1	
Mobile telephone usage (minutes per user per month)			322
Internet users (per 100 people)	1.1	28.0	
Quality			
Population covered by mobile cellular network (%)	60	99	80
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	30.9	40.4
International Internet bandwidth (bits per second per persor	ı) 7	530	199
Affordability			
Price basket for residential fixed line (\$ a month)	4.6	6.3	7.2
Price basket for mobile service (\$ a month)		6.6	9.8
Price basket for Internet service (\$ a month)		7.6	16.7
Price of call to United States (\$ for 3 minutes)	2.96	3.62	2.08
Trade			
ICT goods exports (% of total goods exports)		0.5	
ICT goods imports (% of total goods imports)		3.8	20.2
ICT service exports (% of total service exports)			15.6
Applications			
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0–1, 1=highest presence)		0.29	
Secure Internet servers (per million people)		7.4	1.8

Botswana

Sub-Saharan Africa

Upper middle income

			Upper
	Country	y data	middle- income group
	2000	2007	2007
Economic and social context			
Population (millions)	2	2	824
Urban population (% of total)	53	59	75
GNI per capita, World Bank Atlas method (\$)	3,310	6,120	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	8.6	5.3	4.3
Adult literacy rate (% ages 15 and older)		83	94
Gross primary, secondary, and tertiary enrollment (%)	69	70	82
Structure			
Separate telecommunications regulator	Yes	Yes	;
Status of main fixed-line telephone operator	Public	Public	;
Level of competition (competition, partial comp., monopoly	')		
International long distance service	M	Р	
Mobile telephone service	С		
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	3.0	3.3
Mobile and fixed-line subscribers per employee	202	1,074	
Telecommunications investment (% of revenue)	13.9	139.9	
Performance			
Access			
Telephone lines (per 100 people)	7.9	7.3	22.6
Mobile cellular subscriptions (per 100 people)	12.9	61.2	84.1
Internet subscribers (per 100 people)	0.9		9.4
Personal computers (per 100 people)	3.5	4.8	12.4
Households with a television (%)	10	9	92
Usage			
International voice traffic (minutes per person per month)	3.5	7.8	
Mobile telephone usage (minutes per user per month)			137
Internet users (per 100 people)	2.9	5.3	
Quality			
Population covered by mobile cellular network (%)	90	99	95
Fixed broadband subscribers (% of total Internet subscriber	rs) 0.0		47.8
International Internet bandwidth (bits per second per perso	-	43	
Affordability	,		,
Price basket for residential fixed line (\$ a month)	4.8	14.4	10.6
Price basket for mobile service (\$ a month)		8.3	10.9
Price basket for Internet service (\$ a month)		29.7	
Price of call to United States (\$ for 3 minutes)	3.64	2.88	
Trade	0.07	2.00	1.00
ICT goods exports (% of total goods exports)	0.7	0.2	13.5
ICT goods imports (% of total goods imports)	6.0	5.5	
ICT service exports (% of total service exports)	0.0	6.8	
Applications			
ICT expenditure (% of GDP)			5.2
		0.22	0.37
E-gov't Web measure index (0–1, 1=highest presence)		0.22	0.57

Brazil

Latin America & Caribbean	Upper	middle	income
	Country	y data	Upper middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	174	192	824
Urban population (% of total)	81	85	
GNI per capita, World Bank Atlas method (\$)	3,870	5.860	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.7	3.3	· ·
Adult literacy rate (% ages 15 and older)	86	90	
Gross primary, secondary, and tertiary enrollment (%)	90	88	
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	Р	С	
Mobile telephone service	Р	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	4.7	3.3
Mobile and fixed-line subscribers per employee	516	358	566
Telecommunications investment (% of revenue)	39.8	12.6	
Performance			
Access			
Telephone lines (per 100 people)	17.8	20.6	22.6
Mobile cellular subscriptions (per 100 people)	13.3	63.1	84.1
Internet subscribers (per 100 people)	1.3	4.1	9.4
Personal computers (per 100 people)	4.9	16.1	12.4
Households with a television (%) Usage	84	91	92
International voice traffic (minutes per person per month)	0.9		
Mobile telephone usage (minutes per user per month)	249	99	
Internet users (per 100 people)	2.9	35.2	
Quality			
Population covered by mobile cellular network (%)		91	95
Fixed broadband subscribers (% of total Internet subscribers	s) 4.4	86.0	47.8
International Internet bandwidth (bits per second per persor		1,041	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	9.4	18.3	10.6
Price basket for mobile service (\$ a month)		26.2	10.9
Price basket for Internet service (\$ a month)		29.0	16.4
Price of call to United States (\$ for 3 minutes)	1.15	0.71	1.55
Trade			
ICT goods exports (% of total goods exports)	4.6	3.2	13.5
ICT goods imports (% of total goods imports)	16.4	14.5	16.2
ICT service exports (% of total service exports)	0.7	1.8	4.6
Applications			
ICT expenditure (% of GDP)		5.8	5.2
E-gov't Web measure index (0-1, 1=highest presence)		0.60	0.37
Secure Internet servers (per million people)	5.8	23.7	26.2

Brunei Darussalam

High income

2000 2007 2007 Economic and social context Population (millions) 0.33 0.39 1.056 Urban population (% of total) 71 74 78 GNI per capita, World Bank Atlas method (\$) 14,670 26,740 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 1.0 2.1 2.4 Adult literacy rate (% ages 15 and older) 93 95 99 Gross primary, secondary, and tertiary enrollment (%) 74 78 92 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Public Public Level of competition (competition, partial comp., monopoly) International long distance service M M Internet service . . 747 Telecommunications revenue (% of GDP) 14.3 Performance Access <td< th=""><th></th><th>Countr</th><th colspan="2">Country data</th></td<>		Countr	Country data	
Population (millions) 0.33 0.39 1.056 Urban population (% of total) 71 74 78 GNI per capita, World Bank Atlas method (\$) 14,670 26,740 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 10.0 99 99 Gross primary, secondary, and tertiary enrollment (%) 74 78 92 Structure Structure S 94 95 Status of main fixed-line telephone operator Public Public Public Level of competition (competition, partial comp., monopoly) Internet service M M Internet service . P P Mobile telephone service M Internet service Telecommunications revenue (% of GDP) Mobile telephone lines (per 100 people) 24.1 21.0 50.0 Internet subscribers (per 100 people) 25.7 78.9 100.4 . </th <th></th> <th>2000</th> <th>2007</th> <th>group 2007</th>		2000	2007	group 2007
Urban population (% of total) 71 74 78 GNI per capita, World Bank Attas method (\$) 14,670 26,740 37,572 GDP growth, 1995-2000 and 2000-07 (ay, annual %) 1.0 2.1 2.4 Adult literacy rate (% ages 15 and older) 93 95 99 Gross primary, secondary, and tertiary enrollment (%) 74 78 92 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Public Public Level of competition (competition, partial comp., monopoly) International long distance service M M M Internet service P P Mobile telephone service M M M Internet service 747 746 Pelecommunications revenue (% of GDP) .3.1 Mobile telephone service Relecommunications investment (% of revenue) 747 Telecommunications (per 100 people) 24.1 21.0 50.0 Mobile telephone usage (Economic and social context			
GNI per capita, World Bank Atlas method (\$) 14,670 26,740 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 1.0 2.1 2.4 Adult literacy rate (% ages 15 and older) 93 95 99 Gross primary, secondary, and tertiary enrollment (%) 74 78 92 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Public Public Public Level of competition (competition, partial comp., monopoly) International long distance service M M Internet service P P Mobile telephone service M M M M Internet service 747 Telecommunications investment (% of GDP) .14.3 Performance Access 78.9 100.4 Internet subscribers (per 100 people) 28.5 78.9 100.4 Mobile telphone usage (minutes per person per month) Mobide subscriptions (p	Population (millions)	0.33	0.39	1,056
GDP growth, 1995-2000 and 2000-07 (avg. annual %)1.02.12.4Adult literacy rate (% ages 15 and older)939599Gross primary, secondary, and tertiary enrollment (%)747892StructureSeparate telecommunications regulatorNoYesStatus of main fixed-line telephone operatorPublicPublicLevel of competition, partial comp., monopoly)International long distance serviceMMobile telephone serviceMMInternet servicePEfficiency and capacityTelecommunications revenue (% of GDP)3.1Mobile and fixed-line subscribers per employee747Telecommunications investment (% of revenue)14.3PerformanceAccessAccess ITelephone lines (per 100 people)28.578.9100.4Internet subscriptions (per 100 people)6.74.625.8Personal computers (per 100 people)6.98.867.4Households with a television (%)Mobile telephone usage (minutes per person per month)11.9Mobile telephone usage (minutes per user per month)Mobile telephone usage (% of total Internet subscribers)8.250.982.6International voice traffic (minutes per second per person)1801.45318.242Mobile telephone usage (% of total Internet subscribers)8.250.982.6Internation	Urban population (% of total)	71	74	78
Adult literacy rate (% ages 15 and older) 93 95 99 Gross primary, secondary, and tertiary enrollment (%) 74 78 92 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Public Public Public Level of competition (competition, partial comp., monopoly) International long distance service M M Internet service P Efficiency and capacity Telecommunications revenue (% of GDP) Access Performance Access Access on a computers (per 100 people) 24.1 21.0 50.0 Mobile cellular subscriptions (per 100 people) 28.5 78.9 100.4 Internet subscribers (per 100 people) 28.7 4.6 25.8 Personal computers (per 100 people) 6.7 4.6 25.8 Internet subscribers (per 100 people) 9.9 9.8 98 Usage	GNI per capita, World Bank Atlas method (\$)	14,670	26,740	37,572
Gross primary, secondary, and tertiary enrollment (%) 74 78 92 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Public Public Public Level of competition (competition, partial comp., monopoly) International long distance service P P Mobile telephone service M M M Internet service . P Efficiency and capacity . . . Telecommunications revenue (% of GDP) Performance Access . . . Telephone lines (per 100 people) 24.1 . 21.0 . . Mobile cellular subscriptons (per 100 people) 28.5 Internet subscriptors (per 100 people) .	GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.0	2.1	2.4
Structure No Yes Status of main fixed-line telephone operator Public Public Level of competition (competition, partial comp., monopoly) International long distance service P International long distance service M M Internet service . P Efficiency and capacity . . Telecommunications revenue (% of GDP) . . Telecommunications investment (% of revenue) . . Performance Access . . Telephone lines (per 100 people) 24.1 21.0 50.0 Mobile cellular subscriptions (per 100 people) 28.5 . 78.9 Personal computers (per 100 people) 6.7 4.6 25.8 Personal computers (per 100 people) 6.9 8.8 67.4 Households with a television (%) Mobile telephone usage (minutes per person per month) International voice traffic (minutes per person per month) Mobile telephone usage (per 100 people) 9.	Adult literacy rate (% ages 15 and older)	93	95	99
Separate telecommunications regulatorNoYesStatus of main fixed-line telephone operatorPublicPublicLevel of competition (competition, partial comp., monopoly)International long distance servicePPMobile telephone serviceMMInternet servicePEfficiency and capacityTelecommunications revenue (% of GDP)Telecommunications investment (% of revenue)PerformanceAccessTelephone lines (per 100 people)24.121.050.0Mobile cellular subscriptions (per 100 people)28.578.9100.4Internet subscripters (per 100 people)6.74.625.8Personal computers (per 100 people)6.98.867.4Households with a television (%)Mobile telephone usage (minutes per person per month)11.9Mobile telephone usage (minutes per user per month)Population covered by mobile cellular network (%)Price basket for residential fixed line (\$ a month)10.711.426.126.2Price basket for Internet service (\$ a month)Price basket for nobile service (\$ a month)Price basket for Internet service (\$ a month)<	Gross primary, secondary, and tertiary enrollment (%)	74	78	92
Status of main fixed-line telephone operatorPublicPublicLevel of competition (competition, partial comp., monopoly) International long distance servicePPMobile telephone serviceMMInternet servicePEfficiency and capacityTelecommunications revenue (% of GDP)747Telecommunications investment (% of revenue)747Telecommunications investment (% of revenue)748Telephone lines (per 100 people)24.121.050.0Mobile cellular subscriptions (per 100 people)6.98.867.4Households with a television (%)100Mobile telephone usage (minutes per person per month)11.914.090Hiternet subscribers (% of total Internet subscribers)8.250.982.6101Internet service (% a	Structure			
Level of competition (competition, partial comp., monopoly) P P International long distance service M M Internet service P Efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Performance Access Access Telephone lines (per 100 people) 24.1 21.0 50.0 Mobile cellular subscriptions (per 100 people) 28.5 78.9 100.4 Internet subscribers (per 100 people) 6.7 4.6 25.8 Personal computers (per 100 people) 6.9 8.8 67.4 Households with a television (%) Mobile telephone usage (minutes per person per month) Internet users (per 100 people) 9.0 41.7 65.7 Quality Population covered by mobile cellular network (%) Price basket for residentia	Separate telecommunications regulator	No	Yes	
International long distance servicePPMobile telephone serviceMMInternet servicePEfficiency and capacity	Status of main fixed-line telephone operator	Public	Public	
Mobile telephone serviceMMInternet servicePEfficiency and capacityTelecommunications revenue (% of GDP)Mobile and fixed-line subscribers per employeeTelecommunications investment (% of revenue)Telecommunications investment (% of revenue)PerformanceAccessTelephone lines (per 100 people)24.121.0Mobile cellular subscriptions (per 100 people)28.578.9Personal computers (per 100 people)6.74.6Personal computers (per 100 people)6.98.8Bersonal computers (per 100 people)9898UsageInternet subscribers (per 100 people)9.041.7Mobile telephone usage (minutes per person per month)Mobile telephone usage (minutes per user per month)Population covered by mobile cellular network (%)Price basket for residential fixed line (\$ a month)10.711.4Price basket for residential fixed line (\$ a month)Price basket for Internet service (\$ a month)0.81Price basket for Internet service (\$ a month)0.81Trade0.81Trice basket for Internet service (\$ a month)0.51.8Todo si	Level of competition (competition, partial comp., monopoly)			
Internet servicePEfficiency and capacityTelecommunications revenue (% of GDP)Mobile and fixed-line subscribers per employeeTelecommunications investment (% of revenue)Telecommunications investment (% of revenue)PerformanceAccessTelephone lines (per 100 people)24.121.050.0Mobile cellular subscriptions (per 100 people)28.578.9100.4Internet subscribers (per 100 people)6.74.625.8Personal computers (per 100 people)6.98.867.4Households with a television (%)UsageInternet subscribers (per 100 people)9.041.765.7QualityPopulation covered by mobile cellular network (%)Price basket for residential fixed line (\$ a month)10.711.426.1Price basket for residential fixed line (\$ a month)Price basket for Internet service (\$ a month)Internet service (\$ a month) <td>International long distance service</td> <td>Р</td> <td>Р</td> <td></td>	International long distance service	Р	Р	
Efficiency and capacity Telecommunications revenue (% of GDP) 3.1 Mobile and fixed-line subscribers per employee .747 Telecommunications investment (% of revenue) 14.3 Performance 14.3 Access 14.3 Performance 14.3 Mobile cellular subscriptions (per 100 people) 28.5 78.9 100.4 Internet subscribers (per 100 people) 6.7 4.6 25.8 Personal computers (per 100 people) 6.9 8.8 67.4 Households with a television (%) 353 Internet users (per 100 people) 9.0 41.7 65.7 Quality Population covered by mobile cellular network (%) Price basket for residential fixed line (\$ a month) 10.7 11.4 26.1 International Internet service (\$ a month) 0.81 Price basket for I	Mobile telephone service	М	М	
Telecommunications revenue (% of GDP) 3.1 Mobile and fixed-line subscribers per employee .747 Telecommunications investment (% of revenue) 14.3 Performance 14.3 Access 14.3 Telephone lines (per 100 people) 24.1 21.0 50.0 Mobile cellular subscriptions (per 100 people) 28.5 78.9 100.4 Internet subscribers (per 100 people) 6.7 4.6 25.8 Personal computers (per 100 people) 6.9 8.8 67.4 Households with a television (%) Vsage International voice traffic (minutes per person per month) 11.9 Mobile telephone usage (minutes per user per month) Population covered by mobile cellular network (%) Pixed broadband subscribers (% of total Internet subscribers) 8.2 50.9 82.6 International Internet bandwidt	Internet service		Р	
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E-gov't Web measure index (0-1, 1=highest presence) 0.26 0.60				67
			0.26	
	Secure Internet servers (per million people)	 8.8	30.3	

Bulgaria

Europe & Central Asia

Upper middle income

Europe & Central Asia	opper	iniuule	nicome
	Countr	v data	Upper middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	8	8	824
Urban population (% of total)	69	71	
GNI per capita, World Bank Atlas method (\$)	1,600	4,580	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	-0.4	5.7	
Adult literacy rate (% ages 15 and older)	98	98	
Gross primary, secondary, and tertiary enrollment (%)	79	81	82
Structure			
Separate telecommunications regulator	Yes	Yes	;
Status of main fixed-line telephone operator	Public	Mixed	1
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Р	1
Mobile telephone service	С	Р	1
Internet service	С	C	;
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	5.9	3.3
Mobile and fixed-line subscribers per employee	140	522	566
Telecommunications investment (% of revenue)	14.0	31.4	·
Performance			
Access			
Telephone lines (per 100 people)	35.8	30.0	22.6
Mobile cellular subscriptions (per 100 people)	9.2	129.2	84.1
Internet subscribers (per 100 people)	0.1	8.5	9.4
Personal computers (per 100 people)	4.5	8.9	12.4
Households with a television (%)	90	92	92
Usage			
International voice traffic (minutes per person per month)	3.3	2.6	
Mobile telephone usage (minutes per user per month)		97	137
Internet users (per 100 people)	5.3	30.9	26.6
Quality			
Population covered by mobile cellular network (%)	95	100	
Fixed broadband subscribers (% of total Internet subscribers		97.1	
International Internet bandwidth (bits per second per person	i) 5	4,909	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	3.8	10.7	
Price basket for mobile service (\$ a month)		16.2	
Price basket for Internet service (\$ a month)		7.4	
Price of call to United States (\$ for 3 minutes)	2.55	0.57	1.55
Trade			
ICT goods exports (% of total goods exports)	1.0	1.8	
ICT goods imports (% of total goods imports)	5.2	6.0	
ICT service exports (% of total service exports)	2.3	4.4	4.6
Applications			
ICT expenditure (% of GDP)		7.7	
E-gov't Web measure index (0–1, 1=highest presence)		0.48	
Secure Internet servers (per million people)	2.3	26.2	26.2

Burkina Faso

Sub-Saharan Africa

Low income

	Country	Country data		Country data		Country data		Country data	Low- income group
	2000	2007	2007						
Economic and social context									
Population (millions)	12	15	1,296						
Urban population (% of total)	17	19	32						
GNI per capita, World Bank Atlas method (\$)	240	430	574						
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	6.8	5.8	5.6						
Adult literacy rate (% ages 15 and older)		29							
Gross primary, secondary, and tertiary enrollment (%)	22	29							
Structure									
Separate telecommunications regulator	Yes	Yes							
Status of main fixed-line telephone operator	Public	Public							
Level of competition (competition, partial comp., monopoly									
International long distance service	, M	М							
Mobile telephone service	С	С							
Internet service	C	C							
Efficiency and capacity Telecommunications revenue (% of GDP)	2.0	4.0	3.3						
	2.0	4.0 440							
Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue)	38.0	440 88.6							
Performance Access									
Telephone lines (per 100 people)	0.4	0.7	4.0						
Mobile cellular subscriptions (per 100 people)	0.2	10.9							
Internet subscribers (per 100 people)	0.0	0.1							
Personal computers (per 100 people)	0.1	0.6							
Households with a television (%)	8	12							
Usage									
International voice traffic (minutes per person per month)	0.3	0.9							
Mobile telephone usage (minutes per user per month)									
Internet users (per 100 people)	0.1	0.6	5.2						
Quality									
Population covered by mobile cellular network (%)	22	61	54						
Fixed broadband subscribers (% of total Internet subscriber	rs) 0.0	18.6	3.4						
International Internet bandwidth (bits per second per perso		15							
Affordability	,								
Price basket for residential fixed line (\$ a month)	11.6	12.0	5.7						
Price basket for mobile service (\$ a month)		15.5							
Price basket for Internet service (\$ a month)		67.8							
Price of call to United States (\$ for 3 minutes)	3.16	1.14							
Trade									
ICT goods exports (% of total goods exports)	0.9	0.6	1.4						
ICT goods imports (% of total goods imports)	4.2	3.5							
ICT service exports (% of total service exports)	7.2								
Applications									
ICT expenditure (% of GDP)									
E-gov't Web measure index (0-1, 1=highest presence)		0.19	0.11						
Secure Internet servers (per million people)		0.1	0.5						

Burundi

Sub-Saharan Africa

Low income

2000 2007 2007 Economic and social context Population (millions) 7 8 1.296 Urban population (% of total) 8 10 32 GNI per capita, World Bank Atlas method (\$) 120 110 574 GDP growth, 1995-2000 and 2000-07 (avg. annual %) -0.7 2.7 5.6 Adult literacy rate (% ages 15 and older) 59 . 64 Gross primary, secondary, and tertiary enrollment (%) 30 38 51 Structure Separate telecommunications regulator Yes Yes Yes Status of main fixed-line telephone operator Public Public Level of competition (competition, partial comp., monopoly) International long distance service M C C C Efficiency and capacity T . .3.3 Mobile and fixed-line subscribers per employee 65 234 301 Telecommunications investment (% of revenue) Teleconomunications investment (% of revenue) . . . <		Country	y data	Low- income group
Population (millions) 7 8 1,296 Urban population (% of total) 8 10 32 GNI per capita, World Bank Atlas method (\$) 120 110 574 GOP growth, 1995-2000 and 2000-07 (avg. annual %) -0.7 2.7 5.6 Adult literacy rate (% ages 15 and older) 59 64 Gross primary, secondary, and tertiary enrollment (%) 30 38 51 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Public Public Level of competition (competition, partial comp., monopoly) International long distance service M C Mobile telephone service C C Internet service C C C Internet service C C Telecommunications revenue (% of GDP) 1.9 Performance Access Internet subscriptions (per 100 people) 0.2 2.9 2.1.5 Households with a television (%) 11 15 I6	-	2000	2007	
Urban population (% of total) 8 10 32 GNI per capita, World Bank Atlas method (\$) 120 110 574 GDP growth, 1995-2000 and 2000-07 (avg. annual %) -0.7 2.7 5.6 Adult literacy rate (% ages 15 and older) 59 64 Gross primary, secondary, and tertiary enroliment (%) 30 38 51 Structure Separate telecommunications regulator Yes Yes Staus of main fixed-line telephone operator Public Public Level of competition (competition, partial comp., monopoly) International long distance service M C Mobile telephone service C C C Efficiency and capacity Telecommunications revenue (% of GDP) 1.9 Performance Access Access Internet subscribers per employee 65 234 301 Hobile cellular subscriptions (per 100 people) 0.3 0.4 4.0 Mobile cellular subscriptions (per 100 people) 0.1 0.8 Personal computers (per 100 people) 0.1 Ho	Economic and social context			
GNI per capita, World Bank Atlas method (\$) 120 110 574 GDP growth, 1995-2000 and 2000-07 (avg. annual %) -0.7 2.7 5.6 Adult literacy rate (% ages 15 and older) 59 64 Gross primary, secondary, and tertiary enrollment (%) 30 38 51 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Public Public Level of competition, competition, partial comp., monopoly) International long distance service M C Mobile telephone service C C Efficiency and capacity Telecommunications revenue (% of GDP) 1.9 Performance Access Telephone lines (per 100 people) 0.2 2.9 21.5 Internet subscribers (per 100 people) 0.1 0.8 1.5 Mobile cellular subscriptions (per 100 people) 0.1 0.8 1.5 Internet subscribers (per 100 people) 0.1 0.7 5.2 Quility Population lovote raffic (minutes per person per month) 0.1	Population (millions)	7	8	1,296
GNI per capita, World Bank Atlas method (\$) 120 110 574 GDP growth, 1995-2000 and 2000-07 (avg. annual %) -0.7 2.7 5.6 Adult literacy rate (% ages 15 and older) 59 64 Gross primary, secondary, and tertiary enrollment (%) 30 38 51 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Public Public Level of competition (competition, partial comp., monopoly) Internet service C C C Internet service M C Mobile telephone service C C C C C Efficiency and capacity Telecommunications revenue (% of GDP) 1.9 Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) 0.2 2.9 21.5 Internet subscribers (per 100 people) 0.1 0.8 1.5 Households with a television (%) 11 15 <t< td=""><td>Urban population (% of total)</td><td>8</td><td>10</td><td>32</td></t<>	Urban population (% of total)	8	10	32
Adult literacy rate (% ages 15 and older) 59 64 Gross primary, secondary, and tertiary enrollment (%) 30 38 51 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Public Public Public Level of competition (competition, partial comp., monopoly) International long distance service M C International long distance service M C C C Internet service C C C C Efficiency and capacity Telecommunications revenue (% of GDP) 1.9 Telecommunications investment (% of revenue) Performance Access Access Access Access Access Telephone lines (per 100 people) 0.3 0.4 4.0 Mobile cellular subscriptions (per 100 people) 0.2 2.9 21.5 Internet subscribers (per 100 people) 0.1 0.8 15 Personal computers (per 100 people) 0.1 0.7 5.2 Mobile telephone usage (minut		120	110	574
Adult literacy rate (% ages 15 and older) 59 64 Gross primary, secondary, and tertiary enrollment (%) 30 38 51 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Public Public Public Level of competition (competition, partial comp., monopoly) International long distance service M C International long distance service M C C C Internet service C C C C Efficiency and capacity Telecommunications revenue (% of GDP) 1.9 Telecommunications investment (% of revenue) Performance Access Access Access Access Access Telephone lines (per 100 people) 0.3 0.4 4.0 Mobile cellular subscriptions (per 100 people) 0.2 2.9 21.5 Internet subscribers (per 100 people) 0.1 0.8 15 Personal computers (per 100 people) 0.1 0.7 5.2 Mobile telephone usage (minut	GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-0.7	2.7	5.6
Gross primary, secondary, and tertiary enrollment (%) 30 38 51 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Public Public Level of competition (competition, partial comp., monopoly) International long distance service M C Mobile telephone service C C C Efficiency and capacity Telecommunications revenue (% of GDP) 1.9 3.3 Mobile and fixed-line subscribers per employee 65 234 301 Telecommunications investment (% of revenue) Performance Access Access Access Telephone lines (per 100 people) 0.1 0.8 1.5 Households with a television (%) 11 15 16 Usage Internet service (§ a month) Internet service (per 100 people) 0.1 0.7 5.2 Quality Internet service (% of total Internet subscribers) Proble telephone usage (minutes per user per month)		59		64
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E-gov't Web measure index (0-1, 1=highest presence) 0.01 0.11				
			0.01	0 11
	Secure Internet servers (per million people)		0.01	0.11

Cambodia

East Asia & Pacific

Low income

	Country	y data	Low- income group
	2000	2007	2007
Economic and social context			
Population (millions)	13	14	1,296
Urban population (% of total)	17	21	32
GNI per capita, World Bank Atlas method (\$)	300	550	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	7.3	9.8	5.6
Adult literacy rate (% ages 15 and older)	67	76	64
Gross primary, secondary, and tertiary enrollment (%)	51	60	51
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	, P	Р	
Mobile telephone service	P	P	
Internet service	P	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.6	0.4	3.3
Mobile and fixed-line subscribers per employee	241	534	301
Telecommunications investment (% of revenue)			
Performance Access			
Telephone lines (per 100 people)	0.2	0.3	4.0
Mobile cellular subscriptions (per 100 people)	1.0	17.9	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.1	0.4	1.5
Households with a television (%)	33	43	16
Usage			
International voice traffic (minutes per person per month)	0.3	0.8	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.0	0.5	5.2
Quality			
Population covered by mobile cellular network (%)	80	87	54
Fixed broadband subscribers (% of total Internet subscriber	s) 0.0	60.4	3.4
International Internet bandwidth (bits per second per person	n) 0	17	26
Affordability			
Price basket for residential fixed line (\$ a month)	16.7	9.0	5.7
Price basket for mobile service (\$ a month)		5.1	11.2
Price basket for Internet service (\$ a month)		33.0	29.2
Price of call to United States (\$ for 3 minutes)	6.00	2.94	2.00
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	1.4
ICT goods imports (% of total goods imports)	2.4	2.1	6.7
ICT service exports (% of total service exports)		3.1	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0-1, 1=highest presence)		0.20	0.11
Secure Internet servers (per million people)	0.2	0.8	0.5

Cameroon

Sub-Saharan Africa	Lower	middle	income
	Country	v data	Lower middle- income
-	2000	2007	group 2007
	2000	2007	2007
Economic and social context	10	10	0.405
Population (millions)	16 50	19 56	-,
Urban population (% of total) GNI per capita, <i>World Bank Atlas</i> method (\$)	620	1,050	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.8	3.5	,
Adult literacy rate (% ages 15 and older)	68		00
Gross primary, secondary, and tertiary enrollment (%)	48	62	
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	Р	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	3.1	3.1
Mobile and fixed-line subscribers per employee	90	1,050	
Telecommunications investment (% of revenue)	62.8	37.4	25.3
Performance			
Access			
Telephone lines (per 100 people)	0.6	1.0	
Mobile cellular subscriptions (per 100 people)	0.7	24.5	
Internet subscribers (per 100 people)	0.0	0.1	
Personal computers (per 100 people)	0.3	1.1	
Households with a television (%) Usage	17	25	79
International voice traffic (minutes per person per month)	0.5	0.3	
Mobile telephone usage (minutes per user per month)			322
Internet users (per 100 people)	0.3	2.0	12.4
Quality	27	50	00
Population covered by mobile cellular network (%)	37	58 1.7	
Fixed broadband subscribers (% of total Internet subscribers		1.7	
International Internet bandwidth (bits per second per person Affordability	i) 0	11	199
Price basket for residential fixed line (\$ a month)	6.5	14.3	7.2
Price basket for mobile service (\$ a month)		14.4	
Price basket for Internet service (\$ a month)		48.3	
Price of call to United States (\$ for 3 minutes)	3.25		0.00
Trade	0.20		2.00
ICT goods exports (% of total goods exports)	0.0	0.0	20.6
ICT goods imports (% of total goods imports)	3.0	3.2	20.2
ICT service exports (% of total service exports)	1.4	13.0	15.6
Applications			
ICT expenditure (% of GDP)		5.0	6.5
E-gov't Web measure index (0-1, 1=highest presence)		0.14	0.33
Secure Internet servers (per million people)		0.4	1.8

Canada

High income

	Countr	y data	High- income group
	2000	2007	2007
Economic and social context			
Population (millions)	31	33	1,056
Urban population (% of total)	80	80	78
GNI per capita, World Bank Atlas method (\$)	22,130	39,650	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.3	2.7	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	95	99	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	С	
Mobile telephone service	Р	С	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	2.7	3.1
Mobile and fixed-line subscribers per employee	331	424	
Telecommunications investment (% of revenue)	24.0	21.6	
Performance			
Access		0	50.0
Telephone lines (per 100 people)	67.7	55.3	
Mobile cellular subscriptions (per 100 people)	28.4	61.5	
Internet subscribers (per 100 people)	14.1	30.8	
Personal computers (per 100 people)	41.9	94.3	
Households with a television (%)	99	99	98
Usage			
International voice traffic (minutes per person per month)	36.6		14.0
Mobile telephone usage (minutes per user per month)	215	351	
Internet users (per 100 people)	42.2	72.8	65.7
Quality			
Population covered by mobile cellular network (%)	90	98	
Fixed broadband subscribers (% of total Internet subscribers	·	89.3	
International Internet bandwidth (bits per second per persor	1) 1,133	16,193	18,242
Affordability		05.0	00.4
Price basket for residential fixed line (\$ a month)		25.0	
Price basket for mobile service (\$ a month)		9.5	
Price basket for Internet service (\$ a month)		17.6	
Price of call to United States (\$ for 3 minutes)			0.81
Trade			
ICT goods exports (% of total goods exports)	8.2	4.7	
ICT goods imports (% of total goods imports)	15.0	10.1	
ICT service exports (% of total service exports)	9.5	11.1	7.0
Applications		6.4	67
ICT expenditure (% of GDP)		6.4	
E-gov't Web measure index (0–1, 1=highest presence)	100.0	0.77	
Secure Internet servers (per million people)	162.6	906.6	662.6

Cape Verde

Sub-Saharan Africa	Lower middle income		
	Country	y data	Lower middle- income
=	2000	2007	group 2007
Economic and social context			
Population (millions)	0.45	0.53	3,435
Urban population (% of total)	53	59	- /
GNI per capita, World Bank Atlas method (\$)	1,280	2,430	
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	6.6	5.2	,
Adult literacy rate (% ages 15 and older)		84	83
Gross primary, secondary, and tertiary enrollment (%)	71	66	
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	С	Р	
Internet service	С	Р	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	7.0	7.0	3.1
Mobile and fixed-line subscribers per employee	154	434	624
Telecommunications investment (% of revenue)	35.3	19.1	25.3
Performance			
Access			
Telephone lines (per 100 people)	12.1	13.8	15.3
Mobile cellular subscriptions (per 100 people)	4.4	27.9	38.9
Internet subscribers (per 100 people)	0.5	1.4	6.0
Personal computers (per 100 people)	5.5	13.0	4.6
Households with a television (%) Usage	40	61	79
International voice traffic (minutes per person per month)	6.6	11.6	
Mobile telephone usage (minutes per user per month)		82	322
Internet users (per 100 people)	1.8	7.0	
Quality			
Population covered by mobile cellular network (%)	90	87	80
Fixed broadband subscribers (% of total Internet subscribers	6) 0.0	24.3	40.4
International Internet bandwidth (bits per second per persor) 2	46	199
Affordability			
Price basket for residential fixed line (\$ a month)	4.6	4.7	7.2
Price basket for mobile service (\$ a month)		18.2	9.8
Price basket for Internet service (\$ a month)		48.3	16.7
Price of call to United States (\$ for 3 minutes)	4.66	6.08	2.08
Trade			
ICT goods exports (% of total goods exports)	2.4	1.2	20.6
ICT goods imports (% of total goods imports)	7.1	3.7	20.2
ICT service exports (% of total service exports)	9.8	5.3	15.6
Applications			
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0–1, 1=highest presence)		0.39	
Secure Internet servers (per million people)		1.8	1.8

Cayman Islands

High income

	Country	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	0.04	0.05	1,056
Urban population (% of total)	100	100	78
GNI per capita, World Bank Atlas method (\$)			37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)			2.4
Adult literacy rate (% ages 15 and older)		99	99
Gross primary, secondary, and tertiary enrollment (%)	81	76	92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International long distance service			
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.1
Mobile and fixed-line subscribers per employee	170		747
Telecommunications investment (% of revenue)			14.3
Performance			
Access	074		50.0
Telephone lines (per 100 people)	87.1		50.0
Mobile cellular subscriptions (per 100 people)	26.6	84.0	
Internet subscribers (per 100 people)			25.8
Personal computers (per 100 people)			67.4
Households with a television (%)			98
Usage			
International voice traffic (minutes per person per month)	140.7	134.1	14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)		41.1	65.7
Quality			
Population covered by mobile cellular network (%)		100	
Fixed broadband subscribers (% of total Internet subscriber	s)		82.6
International Internet bandwidth (bits per second per person	ו)		18,242
Affordability			
Price basket for residential fixed line (\$ a month)	13.5	24.9	26.1
Price basket for mobile service (\$ a month)			13.0
Price basket for Internet service (\$ a month)			22.8
Price of call to United States (\$ for 3 minutes)			0.81
Trade			
ICT goods exports (% of total goods exports)			15.2
ICT goods imports (% of total goods imports)			14.6
ICT service exports (% of total service exports)			7.0
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0-1, 1=highest presence)			0.60
Secure Internet servers (per million people)	266.0	1,364.1	662.6

Central African Republic

Sub-Saharan Africa

Low income

Economic and social context group Population (millions) 4 4 1 Urban population (% of total) 38 38 GNI per capita, World Bank Atlas method (\$) 270 370 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.0 0.0	,296 32 574 5.6 64
Population (millions)441Urban population (% of total)3838GNI per capita, World Bank Atlas method (\$)270370	32 574 5.6 64
Urban population (% of total)3838GNI per capita, World Bank Atlas method (\$)270370	32 574 5.6 64
GNI per capita, World Bank Atlas method (\$)270370	574 5.6 64
GNI per capita, World Bank Atlas method (\$) 270 370	5.6 64
GDP growth 1995-2000 and 2000-07 (avg annual %) 3.0 0.0	64
Adult literacy rate (% ages 15 and older) 49	E 1
Gross primary, secondary, and tertiary enrollment (%) 34 30	51
Structure	
Separate telecommunications regulator Yes Yes	
Status of main fixed-line telephone operator Mixed Mixed	
Level of competition (competition, partial comp., monopoly)	
International long distance service M M	
Mobile telephone service C C	
Internet service	
Efficiency and capacity	
Telecommunications revenue (% of GDP) 1.1 1.1	3.3
Mobile and fixed-line subscribers per employee 35 293	301
Telecommunications investment (% of revenue) 1.0	
Performance Access	
Telephone lines (per 100 people) 0.2 0.3	4.0
Mobile cellular subscriptions (per 100 people) 0.1 3.0	21.5
Internet subscribers (per 100 people) 0.0 0.1	0.8
Personal computers (per 100 people) 0.2 0.3	1.5
Households with a television (%) 3 5	16
Usage	
International voice traffic (minutes per person per month) 0.2	
Mobile telephone usage (minutes per user per month)	
Internet users (per 100 people) 0.1 0.3	5.2
Quality	
Population covered by mobile cellular network (%) 18 19	54
Fixed broadband subscribers (% of total Internet subscribers) 0.0 0.0	3.4
International Internet bandwidth (bits per second per person) 0 0	26
Affordability	
Price basket for residential fixed line (\$ a month) 12.9	5.7
Price basket for mobile service (\$ a month) 12.4	11.2
Price basket for Internet service (\$ a month) 130.4	29.2
Price of call to United States (\$ for 3 minutes) 13.31 1.99	2.00
Trade	
ICT goods exports (% of total goods exports) 0.1 0.1	1.4
ICT goods imports (% of total goods imports) 2.1 2.7	6.7
ICT service exports (% of total service exports)	
Applications	
ICT expenditure (% of GDP)	
E-gov't Web measure index (0-1, 1=highest presence) 0.00	0.11
Secure Internet servers (per million people) 0.2	0.5

Chad

Sub-Saharan Africa

Low income

	Country	y data	Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	8	11	1,296
Urban population (% of total)	23	26	32
GNI per capita, World Bank Atlas method (\$)	180	540	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.1	12.2	5.6
Adult literacy rate (% ages 15 and older)	26	32	64
Gross primary, secondary, and tertiary enrollment (%)	32	37	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	Р		
Internet service	М	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4		3.3
Mobile and fixed-line subscribers per employee	31	127	301
Telecommunications investment (% of revenue)			
Performance			
Access			
Telephone lines (per 100 people)	0.1	0.1	4.0
Mobile cellular subscriptions (per 100 people)	0.1	8.5	21.5
Internet subscribers (per 100 people)	0.0	0.0	0.8
Personal computers (per 100 people)	0.1	0.2	1.5
Households with a television (%)	2	4	16
Usage			
International voice traffic (minutes per person per month)	0.1	0.2	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.0	0.6	5.2
Quality			
Population covered by mobile cellular network (%)	8	24	54
Fixed broadband subscribers (% of total Internet subscribers		0.0	
International Internet bandwidth (bits per second per persor	ı) O	1	26
Affordability			
Price basket for residential fixed line (\$ a month)	16.3	8.3	•••
Price basket for mobile service (\$ a month)		16.0	
Price basket for Internet service (\$ a month)		105.0	
Price of call to United States (\$ for 3 minutes)	12.50		2.00
Trade			
ICT goods exports (% of total goods exports)			1.4
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)			
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.01	
Secure Internet servers (per million people)			0.5

Channel Islands

High income

	Country	y data	High- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	0.15	0.15	1,056
Urban population (% of total)	31	31	78
GNI per capita, World Bank Atlas method (\$)	43,020	68,640	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)		0.5	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)			92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International long distance service			
Mobile telephone service			
Internet service			
Efficiency and consider			
Efficiency and capacity Telecommunications revenue (% of GDP)			3.1
Mobile and fixed-line subscribers per employee			747
Telecommunications investment (% of revenue)			147
			14.5
Performance			
Access			
Telephone lines (per 100 people)			50.0
Mobile cellular subscriptions (per 100 people)			100.4
Internet subscribers (per 100 people)			25.8
Personal computers (per 100 people)			67.4
Households with a television (%)			98
Usage			110
International voice traffic (minutes per person per month)			14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)			65.7
Quality Population covered by mobile cellular network (%)			99
Fixed broadband subscribers (% of total Internet subscribers	 5)		82.6
International Internet bandwidth (bits per second per persor			18,242
Affordability	1)		10,242
Price basket for residential fixed line (\$ a month)			26.1
Price basket for mobile service (\$ a month)			13.0
Price basket for Internet service (\$ a month)			22.8
Price of call to United States (\$ for 3 minutes)	2.90	2.90	0.81
Trade	2.30	2.30	0.01
ICT goods exports (% of total goods exports)			15.2
ICT goods imports (% of total goods imports)			13.2
ICT service exports (% of total goods imports)			7.0
Applications			1.0
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0–1, 1=highest presence)			0.60
Secure Internet servers (per million people)			662.6
			002.0

Chile

Latin America & Caribbean	Upper	middle	income
-	Country	y data	Upper middle- income group
	2000	2007	2007
Economic and social context			
Population (millions)	15	17	824
Urban population (% of total)	86	88	75
GNI per capita, World Bank Atlas method (\$)	4,840	8,190	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.8	4.5	4.3
Adult literacy rate (% ages 15 and older)	96	97	94
Gross primary, secondary, and tertiary enrollment (%)	78	83	82
Structure			
Separate telecommunications regulator		Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	С	
Mobile telephone service	С	С	
Internet service		С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4		3.3
Mobile and fixed-line subscribers per employee	315	1,311	566
Telecommunications investment (% of revenue)	44.0		
Performance			
Access			
Telephone lines (per 100 people)	21.4	20.8	22.6
Mobile cellular subscriptions (per 100 people)	22.1	84.1	84.1
Internet subscribers (per 100 people)	3.8	8.2	9.4
Personal computers (per 100 people)	9.2	14.1	12.4
Households with a television (%)	94	97	92
Usage International voice traffic (minutes per person per month)	2.7	3.4	
Mobile telephone usage (minutes per user per month)	220	147	
Internet users (per 100 people)	16.5	31.1	
Quality	10.5	51.1	20.0
Population covered by mobile cellular network (%)	100	100	95
Fixed broadband subscribers (% of total Internet subscribers	s) 1.3	96.7	47.8
International Internet bandwidth (bits per second per person	n) 12	4,086	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	15.7	9.7	10.6
Price basket for mobile service (\$ a month)		11.8	10.9
Price basket for Internet service (\$ a month)		26.7	16.4
Price of call to United States (\$ for 3 minutes)	2.45		1.55
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	13.5
ICT goods imports (% of total goods imports)	11.0	9.0	
ICT service exports (% of total service exports)	5.9	2.7	4.6
Applications			
ICT expenditure (% of GDP)		4.2	
E-gov't Web measure index (0–1, 1=highest presence)		0.56	
Secure Internet servers (per million people)	9.0	35.1	26.2

China

East Asia & Pacific	Lower	middle	income
	Country	y data	Lower middle- income group
	2000	2007	2007
Economic and social context			
Population (millions)	1,263	1,318	3,435
Urban population (% of total)	36	42	42
GNI per capita, World Bank Atlas method (\$)	930	2,370	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	8.5	10.3	8.0
Adult literacy rate (% ages 15 and older)	91	93	83
Gross primary, secondary, and tertiary enrollment (%)	67	69	68
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	Р	Р	
Mobile telephone service	Р	Р	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	2.9	3.1
Mobile and fixed-line subscribers per employee	222	1,310	624
Telecommunications investment (% of revenue)	69.8	32.0	25.3
Performance			
Access			
Telephone lines (per 100 people)	11.5	27.7	15.3
Mobile cellular subscriptions (per 100 people)	6.8	41.5	38.9
Internet subscribers (per 100 people)	0.7	11.4	6.0
Personal computers (per 100 people)	1.6	5.7	4.6
Households with a television (%)	86	89	79
Usage			
International voice traffic (minutes per person per month)	0.3	0.8	
Mobile telephone usage (minutes per user per month)	247	393	322
Internet users (per 100 people)	1.8	16.1	12.4
Quality			
Population covered by mobile cellular network (%)		97	
Fixed broadband subscribers (% of total Internet subscribers	s) 0.3	44.2	40.4
International Internet bandwidth (bits per second per person	ı) 2	280	199
Affordability			
Price basket for residential fixed line (\$ a month)		2.9	
Price basket for mobile service (\$ a month)		3.3	9.8
Price basket for Internet service (\$ a month)		5.8	16.7
Price of call to United States (\$ for 3 minutes)	6.67	2.90	2.08
Trade			
ICT goods exports (% of total goods exports)	18.9	30.9	
ICT goods imports (% of total goods imports)	22.5	28.6	20.2
10T			

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6.5

0.33

1.8

Applications

ICT expenditure (% of GDP)

ICT service exports (% of total service exports)

Secure Internet servers (per million people)

E-gov't Web measure index (0-1, 1=highest presence)

Colombia

Lower middle income

	LOWOI	maure	Lower
	Countr	y data	middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	40	44	3,435
Urban population (% of total)	72	74	42
GNI per capita, World Bank Atlas method (\$)	2,280	4,100	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	0.6	4.9	8.0
Adult literacy rate (% ages 15 and older)		93	83
Gross primary, secondary, and tertiary enrollment (%)	71	75	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	C	
Mobile telephone service	Р	C	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	3.9	
Mobile and fixed-line subscribers per employee	242		
Telecommunications investment (% of revenue)	54.6		25.3
Performance			
Access			
Telephone lines (per 100 people)	18.1	18.0	
Mobile cellular subscriptions (per 100 people)	5.7	77.2	
Internet subscribers (per 100 people)	0.6	3.1	
Personal computers (per 100 people)	3.8	8.0	
Households with a television (%) Usage	80	84	79
International voice traffic (minutes per person per month)	1.9	8.9	
Mobile telephone usage (minutes per user per month)	1.9	131	
Internet users (per 100 people)	2.2	27.5	
Quality	2.2	21.5	12.4
Population covered by mobile cellular network (%)		83	80
Fixed broadband subscribers (% of total Internet subscribers		87.4	
International Internet bandwidth (bits per second per person		971	
Affordability			
Price basket for residential fixed line (\$ a month)	6.6	5.8	7.2
Price basket for mobile service (\$ a month)		10.4	9.8
Price basket for Internet service (\$ a month)		7.5	16.7
Price of call to United States (\$ for 3 minutes)	2.00		2.08
Trade			
ICT goods exports (% of total goods exports)	0.2	0.3	20.6
ICT goods imports (% of total goods imports)	10.3	13.3	20.2
ICT service exports (% of total service exports)	9.1	7.9	15.6
Applications			
ICT expenditure (% of GDP)		4.4	
E-gov't Web measure index (0-1, 1=highest presence)		0.56	
Secure Internet servers (per million people)	1.8	10.6	1.8

Comoros

Sub-Saharan Africa

Low income

	Country	y data	Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	0.54	0.63	1,296
Urban population (% of total)	28	28	32
GNI per capita, World Bank Atlas method (\$)	400	680	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.7	2.1	5.6
Adult literacy rate (% ages 15 and older)		75	64
Gross primary, secondary, and tertiary enrollment (%)	41	46	51
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	м	
Mobile telephone service		M	
Internet service	М	М	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	7.4	3.3
Mobile and fixed-line subscribers per employee	55	109	301
Telecommunications investment (% of revenue)	69.5		
Performance			
Access	4.0		
Telephone lines (per 100 people)	1.3	3.1	4.0
Mobile cellular subscriptions (per 100 people)	0.0	6.4	21.5
Internet subscribers (per 100 people)	0.1	0.3	0.8
Personal computers (per 100 people)	0.6	0.9	
Households with a television (%)	10	13	16
Usage	2.0		
International voice traffic (minutes per person per month)	2.0		
Mobile telephone usage (minutes per user per month)	 0.3		 E 0
Internet users (per 100 people) Quality	0.3	3.4	5.2
Population covered by mobile cellular network (%)		40	54
Fixed broadband subscribers (% of total Internet subscribers	 s) 0.0	0.3	
International Internet bandwidth (bits per second per persor		0.3 11	26
Affordability	i) 0	11	20
Price basket for residential fixed line (\$ a month)	14.0	18.8	5.7
Price basket for mobile service (\$ a month)	14.0	12.3	
Price basket for Internet service (\$ a month)		20.8	29.2
Price of call to United States (\$ for 3 minutes)			2.00
Trade			2.00
ICT goods exports (% of total goods exports)			1.4
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)			
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.03	0.11
Secure Internet servers (per million people)		1.6	0.11
		1.0	0.0

Congo, Dem. Rep.

Sub-Saharan Africa

Low income

	Country	y data	Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	51	62	1,296
Urban population (% of total)	30	33	32
GNI per capita, World Bank Atlas method (\$)	80	140	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-3.8	5.0	5.6
Adult literacy rate (% ages 15 and older)	67		64
Gross primary, secondary, and tertiary enrollment (%)	27	34	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	С	
Mobile telephone service	С	C	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)		7.6	3.3
Mobile and fixed-line subscribers per employee		3,628	301
Telecommunications investment (% of revenue)		82.5	
Performance			
Access			
Telephone lines (per 100 people)	0.0	0.0	
Mobile cellular subscriptions (per 100 people)	0.0	10.6	
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.0	0.0	
Households with a television (%)	1	4	16
Usage		0.2	
International voice traffic (minutes per person per month)		0.3	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people) Quality	0.0	0.4	5.2
		50	54
Population covered by mobile cellular network (%) Fixed broadband subscribers (% of total Internet subscribers	 6) 0.0	3.2	
International Internet bandwidth (bits per second per persor		0.2	
Affordability	i) U	0	20
Price basket for residential fixed line (\$ a month)			5.7
Price basket for mobile service (\$ a month)			11.2
Price basket for Internet service (\$ a month)		109.5	29.2
Price of call to United States (\$ for 3 minutes)			2.00
Trade			2.00
ICT goods exports (% of total goods exports)			1.4
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)			0.7
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.09	0.11
Secure Internet servers (per million people)		0.03	0.11
coouro internet servers (per miniori people)		0.1	0.5

Congo, Rep.

Sub-Saharan Africa	Lower	Lower middle inc		
	Country	y data	Lower middle- income group	
-	2000	2007	2007	
Economic and social context				
Population (millions)	3	4	3.435	
Urban population (% of total)	58	61	-,	
GNI per capita, World Bank Atlas method (\$)	550	1,540		
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.9	4.1	,	
Adult literacy rate (% ages 15 and older)			83	
Gross primary, secondary, and tertiary enrollment (%)	43	51		
Structure				
Separate telecommunications regulator		No		
Status of main fixed-line telephone operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International long distance service	С	С		
Mobile telephone service	С	С		
Internet service				
Efficiency and capacity				
Telecommunications revenue (% of GDP)		2.9	3.1	
Mobile and fixed-line subscribers per employee			624	
Telecommunications investment (% of revenue)			25.3	
Performance				
Access				
Telephone lines (per 100 people)	0.7	0.4	15.3	
Mobile cellular subscriptions (per 100 people)	2.2	34.2	38.9	
Internet subscribers (per 100 people)	0.0	0.0	6.0	
Personal computers (per 100 people)	0.3	0.5	4.6	
Households with a television (%) Usage	6	27	79	
International voice traffic (minutes per person per month)				
Mobile telephone usage (minutes per user per month)			322	
Internet users (per 100 people)	0.0	1.9	12.4	
Quality		= 0		
Population covered by mobile cellular network (%)	17	53		
Fixed broadband subscribers (% of total Internet subscribers		0.0		
International Internet bandwidth (bits per second per person	i) O	0	199	
Affordability			7.0	
Price basket for residential fixed line (\$ a month) Price basket for mobile service (\$ a month)		 10 0		
		18.8 82.7		
Price basket for Internet service (\$ a month)		62.7 5.39		
Price of call to United States (\$ for 3 minutes) Trade		0.59	2.00	
ICT goods exports (% of total goods exports)			20.6	
ICT goods imports (% of total goods imports)			20.0	
ICT service exports (% of total service exports)			15.6	
Applications			15.0	
ICT expenditure (% of GDP)			6.5	
E-gov't Web measure index (0–1, 1=highest presence)		 0.07		
Secure Internet servers (per million people)		0.07		
		0.0	1.0	

Costa Rica

Latin America & Caribbean

Upper middle income

	Country data		Upper middle- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	4	4	824
Urban population (% of total)	59	63	75
GNI per capita, World Bank Atlas method (\$)	3,710	5,520	7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.7	5.4	4.3
Adult literacy rate (% ages 15 and older)	95	96	94
Gross primary, secondary, and tertiary enrollment (%)	66	73	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Μ	
Mobile telephone service	М	Μ	
Internet service	М	Р	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.7	2.2	
Mobile and fixed-line subscribers per employee	231	470	
Telecommunications investment (% of revenue)	44.4	53.6	
Performance			
Access			
Telephone lines (per 100 people)	22.9	32.2	
Mobile cellular subscriptions (per 100 people)	5.4	33.8	
Internet subscribers (per 100 people)	0.9	3.8	
Personal computers (per 100 people)	15.3	23.1	
Households with a television (%) Usage	84	94	92
International voice traffic (minutes per person per month)	5.2	10.0	
Mobile telephone usage (minutes per user per month)			137
Internet users (per 100 people)	5.8	33.6	26.6
Quality			
Population covered by mobile cellular network (%)		87	95
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	74.5	47.8
International Internet bandwidth (bits per second per person	i) 91	820	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	7.1	5.1	10.6
Price basket for mobile service (\$ a month)		1.9	10.9
Price basket for Internet service (\$ a month)		25.7	16.4
Price of call to United States (\$ for 3 minutes)	1.93		1.55
Trade			
ICT goods exports (% of total goods exports)	31.7	29.4	
ICT goods imports (% of total goods imports)	18.4	25.3	
ICT service exports (% of total service exports)	7.9	16.4	4.6
Applications ICT expenditure (% of GDP)		3.9	5.2
E-gov't Web measure index (0-1, 1=highest presence)		0.44	
Secure Internet servers (per million people)	 13.9	98.8	
	13.9	30.0	20.2

Côte d'Ivoire

Sub-Saharan Africa

Low income

	Country data		Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	17	19	1,296
Urban population (% of total)	44	48	32
GNI per capita, World Bank Atlas method (\$)	630	920	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.4	0.3	5.6
Adult literacy rate (% ages 15 and older)	49		64
Gross primary, secondary, and tertiary enrollment (%)	37		51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly))		
International long distance service	М	Р	
Mobile telephone service	Р	Р	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	5.5	3.3
Mobile and fixed-line subscribers per employee	189	1,442	301
Telecommunications investment (% of revenue)	23.7	40.0	
Performance Access			
Telephone lines (per 100 people)	1.5	1.4	
Mobile cellular subscriptions (per 100 people)	2.8	36.6	
Internet subscribers (per 100 people)	0.1	0.1	
Personal computers (per 100 people)	0.5	1.7	
Households with a television (%)	32	35	16
Usage			
International voice traffic (minutes per person per month)	0.7	1.4	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people) Quality	0.2	1.6	5.2
Population covered by mobile cellular network (%)	23	59	54
Fixed broadband subscribers (% of total Internet subscriber	s) 0.0	6.9	3.4
International Internet bandwidth (bits per second per person		16	26
Affordability			
Price basket for residential fixed line (\$ a month)	8.5	25.0	5.7
Price basket for mobile service (\$ a month)		12.9	11.2
Price basket for Internet service (\$ a month)		20.3	29.2
Price of call to United States (\$ for 3 minutes)	6.07	2.25	2.00
Trade			
ICT goods exports (% of total goods exports)	0.1	0.4	1.4
ICT goods imports (% of total goods imports)	3.3	4.2	6.7
ICT service exports (% of total service exports)	8.2	11.0	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0-1, 1=highest presence)		0.06	0.11
Secure Internet servers (per million people)		0.5	0.5

Croatia

Europe & Central Asia

Upper middle income

		muuic	meonic		
	Countr	Country data		Uppe middl incom	
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	4	4	824		
Urban population (% of total)	56	57			
GNI per capita, World Bank Atlas method (\$)	4,430	10,460			
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.2	4.8	· · ·		
Adult literacy rate (% ages 15 and older)	98	99			
Gross primary, secondary, and tertiary enrollment (%)	70	73			
Structure					
Separate telecommunications regulator	Yes	Yes	;		
Status of main fixed-line telephone operator	Mixed	Mixed	1		
Level of competition (competition, partial comp., monopoly)					
International long distance service	М	C			
Mobile telephone service	С	C			
Internet service	C	C			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	3.9	5.3	3.3		
Mobile and fixed-line subscribers per employee	178	778	566		
Telecommunications investment (% of revenue)	14.7	12.3			
Performance					
Access					
Telephone lines (per 100 people)	38.9	41.6	22.6		
Mobile cellular subscriptions (per 100 people)	23.3	113.5	84.1		
Internet subscribers (per 100 people)	4.2	29.9	9.4		
Personal computers (per 100 people)	11.3	18.0	12.4		
Households with a television (%)	85	94	92		
Usage					
International voice traffic (minutes per person per month)	13.8	17.4	·		
Mobile telephone usage (minutes per user per month)		90	137		
Internet users (per 100 people)	6.8	44.7	26.6		
Quality Population covered by mobile cellular network (%)	98	100	95		
Fixed broadband subscribers (% of total Internet subscriber	s) 0.0	29.2	47.8		
International Internet bandwidth (bits per second per person		3,380	1,185		
Affordability	,	-,	,		
Price basket for residential fixed line (\$ a month)	11.9	13.1	10.6		
Price basket for mobile service (\$ a month)		14.5			
Price basket for Internet service (\$ a month)		16.5	16.4		
Price of call to United States (\$ for 3 minutes)			1.55		
Trade					
ICT goods exports (% of total goods exports)	3.6	5.3	13.5		
ICT goods imports (% of total goods imports)	6.1	7.5	16.2		
ICT service exports (% of total service exports)	3.3	4.2	4.6		
Applications					
ICT expenditure (% of GDP)			5.2		
E-gov't Web measure index (0-1, 1=highest presence)		0.43	0.37		
Secure Internet servers (per million people)	13.7	92.0	26.2		

Cuba

Gross primary, secondary, and tertiary enrollment (%)758882StructureSeparate telecommunications regulatorNoStatus of main fixed-line telephone operatorMixedPublicLevel of competition (competition, partial comp., monopoly)International long distance serviceMMMobile telephone servicePMMInternet serviceCMMEfficiency and capacityTelecommunications revenue (% of GDP)2.22.63.3Mobile and fixed-line subscribers per employee3058566Telecommunications investment (% of revenue)16.07.5PerformanceAccessAccessTelephone lines (per 100 people)0.11.884.1Internet subscribers (per 100 people)0.39.4Households with a television (%)707092UsageInternet onal voice traffic (minutes per person per month)137Internet users (per 100 people)0.511.626.6QualityPopulation covered by mobile cellular network (%)417795Fixed broadband subscribers (% of total Internet subscribers)5.847.8International lnternet bandwidth (bits per second per person)2191,185AffordabilityPrice basket for mobile service (\$ a month)2.2.610.9Price basket for mobile service (\$ a month)2.416.4Price baske	Latin America & Caribbean	Upper	middle	income
Economic and social context Population (millions) 11 11 824 Urban population (% of total) 76 76 75 GNI per capita, World Bank Atlas method (\$) 7107 GDP growth, 1995–2000 and 2000–07 (avg. annual %) 4.2. 3.4 4.3 Adult literacy rate (% ages 15 and older) 100 100 94 Gross primary, secondary, and tertiary enrollment (%) 75 88 82 Structure S Structure No Status of main fixed-line telephone operator Mixed Public Level of competition (competition, partial comp., monopoly) International long distance service M M Internet service C M M Mobile telephone service P M Internet service C M M M Mobile telephone service M M Performance Access Telecommunications investment (% of revenue) 16.0 7.5 Personal computers (per 100 people) 1.1 1.8 84.1		Country	y data	middle- income
Population (millions) 11 11 824 Urban population (% of total) 76 76 75 GNI per capita, World Bank Atlas method (\$) 710 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.2. 3.4 4.3 Adult literacy rate (% ages 15 and older) 100 100 94 Gross primary, secondary, and tertiary enrollment (%) 75 88 82 Structure S Structure No Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Public Level of competition (competition, partial comp., monopoly) Internet service M M Mobile telephone service R M M Mobile cellephone service R Telecommunications revenue (% of GDP) 2.2 2.6 3.3 Mobile cellular subscriptions (per 100 people) 1.8 84.1 Internet subscribers (per 100 people) 0.3 94 Personal computers (per 100 people) 0.3 94		2000	2007	2007
Urban population (% of total) 76 76 75 GNI per capita, World Bank Atlas method (\$) 7,107 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.2 3.4 4.3 Adult literacy rate (% ages 15 and older) 100 100 94 Gross primary, secondary, and tertiary enrollment (%) 75 88 82 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Public Level of competition (competition, partial comp., monopoly) International long distance service M M Mobile telephone service P M Internet service C M Efficiency and capacity Telecommunications revenue (% of GDP) 2.2 2.6 3.3 Mobile and fixed-line subscribers per employee 30 58 566 Telecommunications investment (% of revenue) 16.0 7.5 Performance Access Internet subscribers (per 100 people) 1.2 3.6 12.4 Households with a television (%)	Economic and social context			
GNI per capita, World Bank Atlas method (\$) 7,107 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.2 3.4 4.3 Adult literacy rate (% ages 15 and older) 100 100 94 Gross primary, secondary, and tertiary enrollment (%) 75 88 82 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Public Level of competition (competition, partial comp., monopoly) International long distance service M M Internet service C M M Mobile telephone service P M Internet service C M M M Mobile telephone iservice M M Performance Access 7.5 Relephone lines (per 100 people) 1.1 8.84.1 1 1.8.84.1 1 1.8.84.1 Internet subscribters (per 100 people) 0.3 9.4 4.2.5 Mobile cellular subscriptions (per 100 people) 0.5 11.6 26.6	Population (millions)	11	11	824
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.2 3.4 4.3 Adult literacy rate (% ages 15 and older) 100 100 94 Gross primary, secondary, and tertiary enrollment (%) 75 88 82 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Public Level of competition (competition, partial comp., monopoly) International long distance service P M Internet service C M M Telecommunications revenue (% of GDP) 2.2 2.6 3.3 Mobile telephone service P M M Internet service C M M Telecommunications revenue (% of GDP) 2.2 2.6 3.3 Mobile cellular subscribers per employee 30 58 566 Telecommunications (per 100 people) 0.1 1.8 84.1 Internet subscribers (per 100 people) 0.3 9.4 Personal computers (per 100 people) 0.5 11.6 26.6 Mobile cellular subscribers (per 100 people) <t< td=""><td>Urban population (% of total)</td><td>76</td><td>76</td><td>75</td></t<>	Urban population (% of total)	76	76	75
Adult literacy rate (% ages 15 and older)10010094Gross primary, secondary, and tertiary enrollment (%)758882StructureSeparate telecommunications regulatorNoStatus of main fixed-line telephone operatorMixedPublicLevel of competition, partial comp., monopoly)International long distance serviceMMMobile telephone servicePMMInternet serviceCMMEfficiency and capacityTelecommunications revenue (% of GDP)2.22.63.3Mobile and fixed-line subscribers per employee3058566Telecommunications investment (% of revenue)16.07.5PerformanceAccessTelephone lines (per 100 people)4.49.322.6Mobile cellular subscriptions (per 100 people)0.11.884.1Internet subscribers (per 100 people)1.23.612.4Households with a television (%)707092UsageUsageInternet users (per 100 people)0.511.626.6QualityPopulation covered by mobile cellular network (%)417795Fixed broadband subscribers (% of total Internet subscribers)5.847.8Internet users (per 100 people)0.21.91.8Price basket for residential fixed line (\$ a month)13710.6Price basket for nesidential fixed line (\$ a month)2.4<	GNI per capita, World Bank Atlas method (\$)			7,107
Adult literacy rate (% ages 15 and older)10010094Gross primary, secondary, and tertiary enrollment (%)758882StructureSeparate telecommunications regulatorNoStatus of main fixed-line telephone operatorMixedPublicLevel of competition, partial comp., monopoly)International long distance serviceMMMobile telephone servicePMMInternet serviceCMMEfficiency and capacityTelecommunications revenue (% of GDP)2.22.63.3Mobile and fixed-line subscribers per employee3058566Telecommunications investment (% of revenue)16.07.5PerformanceAccessTelephone lines (per 100 people)4.49.322.6Mobile cellular subscriptions (per 100 people)0.11.884.1Internet subscribers (per 100 people)1.23.612.4Households with a television (%)707092UsageUsageInternet users (per 100 people)0.511.626.6QualityPopulation covered by mobile cellular network (%)417795Fixed broadband subscribers (% of total Internet subscribers)5.847.8Internet users (per 100 people)0.21.91.8Price basket for residential fixed line (\$ a month)13710.6Price basket for nesidential fixed line (\$ a month)2.4<	GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.2	3.4	4.3
Structure No Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Public Level of competition, partial comp., monopoly) International long distance service M M International long distance service P M M Internet service C M M Efficiency and capacity Telecommunications revenue (% of GDP) 2.2 2.6 3.3 Mobile and fixed-line subscribers per employee 30 58 566 Telecommunications investment (% of revenue) 16.0 7.5 Performance Access		100	100	94
Separate telecommunications regulatorNoStatus of main fixed-line telephone operatorMixedPublicLevel of competition (competition, partial comp., monopoly)International long distance serviceMMMobile telephone servicePMMInternet serviceCMMEfficiency and capacityCS566Telecommunications revenue (% of GDP)2.22.63.3Mobile and fixed-line subscribers per employee3058566Telecommunications investment (% of revenue)16.07.5PerformanceAccessTelephone lines (per 100 people)0.11.884.1Internet subscriptors (per 100 people)0.39.4Personal computers (per 100 people)1.23.612.4Households with a television (%)707092UsageUsageTo137Internet users (per 100 people)0.511.626.6QualityPopulation covered by mobile cellular network (%)417795Fixed broadband subscribers (% of total Internet subscribers)5.847.8International Internet bandwidth (bits per second per person)2191,185AffordabilityPrice basket for residential fixed line (\$ a month)32.416.4Price basket for nobile service (\$ a month)24.610.9Price basket for Internet service (\$ a month)32.416.4 <td>Gross primary, secondary, and tertiary enrollment (%)</td> <td>75</td> <td>88</td> <td>82</td>	Gross primary, secondary, and tertiary enrollment (%)	75	88	82
Status of main fixed-line telephone operatorMixedPublicLevel of competition (competition, partial comp., monopoly) International long distance serviceMMMobile telephone servicePMInternet serviceCMEfficiency and capacity2.22.63.3Mobile and fixed-line subscribers per employee3058566Telecommunications investment (% of revenue)16.07.5PerformanceAccessPAccess709.22.63.3Telephone lines (per 100 people)4.49.322.6Mobile cellular subscriptions (per 100 people)0.11.884.1Internet subscribers (per 100 people)1.23.612.4Households with a television (%)707092UsageUsage13711626.6QualityPopulation covered by mobile cellular network (%)417795Fixed broadband subscribers (% of total Internet subscribers)5.847.8International Internet bandwidth (bits per second per person)2191,185Affordability7.413.110.6Price basket for nesidential fixed line (\$ a month)2.416.4Price basket for nobile service (\$ a month)32.416.419.915.515.5TradeInternet service (\$ a month)32.416.4Price basket for nobile service (\$ a month)32.416.4 <td>Structure</td> <td></td> <td></td> <td></td>	Structure			
Level of competition (competition, partial comp., monopoly) M M International long distance service P M Mobile telephone service C M Internet service C M Efficiency and capacity 2.2 2.6 3.3 Mobile and fixed-line subscribers per employee 30 58 566 Telecommunications investment (% of revenue) 16.0 7.5 Performance Access 70 9.3 22.6 Mobile cellular subscriptions (per 100 people) 0.1 1.8 84.1 Internet subscriptions (per 100 people) 0.3 9.4 Personal computers (per 100 people) 1.2 3.6 12.4 Households with a television (%) 70 70 92 Usage 137 Internet users (per 100 people) 0.5 11.6 26.6 Quality 137 Population covered by mobile cellular network (%) 41 77 95 Fixed broadband subscribers (% of total Internet subscribers) 5.8 <td< td=""><td>Separate telecommunications regulator</td><td></td><td>No</td><td></td></td<>	Separate telecommunications regulator		No	
International long distance serviceMMMobile telephone servicePMInternet serviceCMEfficiency and capacityTelecommunications revenue (% of GDP)2.22.63.3Mobile and fixed-line subscribers per employee3058566Telecommunications investment (% of revenue)16.07.5PerformanceAccessTelephone lines (per 100 people)4.49.322.6Mobile cellular subscriptions (per 100 people)0.11.884.1Internet subscribers (per 100 people)1.23.612.4Households with a television (%)707092UsageInternet users (per 100 people)0.511.626.6QualityPopulation covered by mobile cellular network (%)417795Fixed broadband subscribers (% of total Internet subscribers)5.847.8International Internet bandwidth (bits per second per person)2191,185AfforabilityPrice basket for residential fixed line (\$ a month).2.416.410.6Price basket for residential fixed line (\$ a month)2.416.416.0Price basket for internet service (\$ a month)2.416.416.5TradeICT goods exports (% of total goods exports)4.64Price or call to United States (\$ for 3 minutes)7.357.491.551.5.5TradeICT goods imports (%	Status of main fixed-line telephone operator	Mixed	Public	
Mobile telephone servicePMInternet serviceCMEfficiency and capacityTelecommunications revenue (% of GDP)2.22.63.3Mobile and fixed-line subscribers per employee3058566Telecommunications investment (% of revenue)16.07.5PerformanceAccessTelephone lines (per 100 people)4.49.322.6Mobile cellular subscriptions (per 100 people)0.11.884.1Internet subscribers (per 100 people)1.23.612.4Households with a television (%)707092UsageUsageInternational voice traffic (minutes per person per month)137Internet users (per 100 people)0.511.626.6QualityPopulation covered by mobile cellular network (%)417795Fixed broadband subscribers (% of total Internet subscribers)5.847.8International Internet bandwidth (bits per second per person)2191,185AffordabilityPrice basket for residential fixed line (\$ a month)1.2.413.110.6Price basket for sciential fixed line (\$ a month)32.416.4Price of call to United States (\$ for 3 minutes)7.357.491.55TradeICT goods exports (% of total service exports)4.64.6ICT goods exports (% of total service exports)4.6ApplicationsI	Level of competition (competition, partial comp., monopoly)			
Internet serviceCMInternet serviceCEfficiency and capacityTelecommunications revenue (% of GDP)2.22.63.3Mobile and fixed-line subscribers per employee3058566Telecommunications investment (% of revenue)16.07.5PerformanceAccessTelephone lines (per 100 people)4.49.322.6Mobile cellular subscriptions (per 100 people)0.11.884.1Internet subscribers (per 100 people)1.23.612.4Households with a television (%)707092UsageInternational voice traffic (minutes per person per month)2.42.5Mobile telphone usage (minutes per user per month)137Internet users (per 100 people)0.511.626.6QualityPopulation covered by mobile cellular network (%)417795Fixed broadband subscribers (% of total Internet subscribers)5.847.8International Internet bandwidth (bits per second per person)2191,185AffordabilityPrice basket for residential fixed line (\$ a month)12.413.110.6Price basket for internet service (\$ a month) <td>International long distance service</td> <td>М</td> <td>М</td> <td></td>	International long distance service	М	М	
Efficiency and capacityTelecommunications revenue (% of GDP)2.22.63.05.85.6Telecommunications investment (% of revenue)16.07.5PerformanceAccessTelephone lines (per 100 people)1.11.884.1Internet subscriptions (per 100 people)1.23.61.23.61.23.61.23.61.23.61.23.61.23.61.23.61.23.61.23.61.23.61.23.61.23.61.23.61.23.61.23.61.23.61.23.61.23.61.2				

Cyprus

High income

	Country	Country data ⁱ	
	2000	2007	2007
Economic and social context			
Population (millions)	0.79	0.85	1,056
Urban population (% of total)	69	70	78
GNI per capita, World Bank Atlas method (\$)	13,440	24,940	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.9	3.4	2.4
Adult literacy rate (% ages 15 and older)	99	98	99
Gross primary, secondary, and tertiary enrollment (%)	73	78	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly))		
International long distance service	М	С	
Mobile telephone service	М	Р	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	3.4	3.1
Mobile and fixed-line subscribers per employee	274	437	747
Telecommunications investment (% of revenue)	36.6	20.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	56.0	44.9	50.0
Mobile cellular subscriptions (per 100 people)	27.8	115.6	100.4
Internet subscribers (per 100 people)	6.6	15.2	25.8
Personal computers (per 100 people)	19.1	38.3	67.4
Households with a television (%)	97	100	98
Usage			
International voice traffic (minutes per person per month)	37.3	47.1	14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	15.3	38.0	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscriber	s) 3.8	76.9	82.6
International Internet bandwidth (bits per second per person	n) 51	1,603	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	7.8	18.3	26.1
Price basket for mobile service (\$ a month)		3.8	13.0
Price basket for Internet service (\$ a month)		21.0	22.8
Price of call to United States (\$ for 3 minutes)	1.02	0.33	0.81
Trade			
ICT goods exports (% of total goods exports)	1.7	14.5	15.2
ICT goods imports (% of total goods imports)	7.2	7.8	14.6
ICT service exports (% of total service exports)	2.1	4.5	7.0
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.48	0.60
Secure Internet servers (per million people)	37.6	428.4	662.6

Czech Republic

High income

2000 2007 2007 Economic and social context Population (millions) 10 10 1,056 Urban population (% of total) 74 78 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 1.0 4.6 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 74 83 92 Structure Separate telecommunications regulator Yes Yes Yes Status of main fixed-line telephone operator Mixed Private Level of competition (competition, partial comp., monopoly) Internet service C C Internet service C C C Mobile telephone service P P Internet service C C C Elecommunications revenue (% of GDP) 4.5 3.7 3.1 Mobile and fixed-line subscribers per employee 349 796 747 Elecommunications investment (% of revenue) 47.1 12.3 14.3 50.0 Mobile cellular subscriptons (per 100 people) 4.2		Country	Country data		Country data	
Population (millions) 10 10 1,056 Urban population (% of total) 74 74 78 GNI per capita, World Bank Atlas method (\$) 5,800 14,580 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 1.0 4.6 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 74 83 92 Structure Separate telecommunications regulator Yes Yes Yes Status of main fixed-line telephone operator Mixed Private Level of competition (competition, partial comp., monopoly) International long distance service P P Internet service C C C C Elecommunications revenue (% of GDP) 4.5 3.7 3.1 Mobile elelphone subscribers per employee 349 796 747 Telecommunications investment (% of revenue) 47.1 12.3 14.3 Performance Access 2 27.4 67.4 Households with a television (%)		2000	2007	group 2007		
Urban population (% of total) 74 74 78 GNI per capita, World Bank Atlas method (\$) 5,800 14,580 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 1.0 4.6 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 74 83 92 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Private Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service C C C C Efficiency and capacity Telecommunications revenue (% of GDP) 4.5 3.7 3.1 Mobile and fixed-line subscribers per employee 349 796 747 Telecommunications investment (% of revenue) 47.1 12.3 14.3 Performance Access 100 42.3 123.1 100.4 Internet subscriptions (per 100 pe	Economic and social context					
GNI per capita, World Bank Atlas method (\$) 5,800 14,580 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 1.0 4.6 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 74 83 92 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Private Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service C C C C Elecommunications revenue (% of GDP) 4.5 3.7 3.1 Mobile and fixed-line subscribers per employee 349 796 747 Telecommunications investment (% of revenue) 47.1 12.3 14.3 Performance Access 100.4 100.4 2.5 3.7 Mobile cellular subscriptions (per 100 people) 4.2 2.2 7.4 67.4 Households with a television (%) 100 83 <td< td=""><td>Population (millions)</td><td>10</td><td>10</td><td>1,056</td></td<>	Population (millions)	10	10	1,056		
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 1.0 4.6 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 74 83 92 Structure Structure Structure Structure Mixed Private Level of competition, partial comp., monopoly) International long distance service M C Mobile telephone service P P Internet service C C C C C C Efficiency and capacity Telecommunications revenue (% of GDP) 4.5 3.7 3.1 Mobile and fixed-line subscribers per employee 349 796 747 Telecommunications investment (% of revenue) 47.1 12.3 14.3 Performance Access Telephone lines (per 100 people) 37.7 23.3 50.0 Mobile cellular subscriptions (per 100 people) 4.1 13.6 25.8 Telecommuters (per 100 people) 12.2 27.4 67.4 Households with a television (%) <t< td=""><td>Urban population (% of total)</td><td>74</td><td>74</td><td>78</td></t<>	Urban population (% of total)	74	74	78		
Aduit literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 74 83 92 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Private Level of competition (competition, partial comp., monopoly) International long distance service M C International long distance service P P International fixed-line subscribers per employee 349 796 747 Telecommunications revenue (% of GDP) 4.5 3.7 3.1 Mobile and fixed-line subscribers per employee 349 796 747 Telecommunications investment (% of revenue) 47.1 12.3 14.3 14.3 Performance Access Telephone lines (per 100 people) 42.3 123.1 100.4 Internet subscribers (per 100 people) 12.2 27.4 67.4 Households with a television (%) 100 83 98 Usage Internet subscribers (per 100 people) 9.7 48.3 65.7 Quality Quality Population covered by mob	GNI per capita, World Bank Atlas method (\$)	5,800	14,580	37,572		
Gross primary, secondary, and tertiary enrollment (%)748392StructureSeparate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorMixedPrivateLevel of competition (competition, partial comp., monopoly)International long distance serviceMCMobile telephone servicePPPInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)4.53.73.1Mobile and fixed-line subscribers per employee349796747Telecommunications investment (% of revenue)47.112.314.3PerformanceAccessTelephone lines (per 100 people)4.113.625.8Personal computers (per 100 people)12.227.467.4Households with a television (%)1008398UsageInternet subscribers (per 100 people)9.748.365.7QualityPopulation covered by mobile cellular network (%)9910099Pixed broadband subscribers (% of total lnternet subscribers)0.693.382.6International voice traffic (minutes per second per person)6027.07518.242AffordabilityPrice basket for residential fixed line (\$ a month)12.813.0Price basket for nebile service (\$ a month)12.813.0Price basket for Internet service (\$ a month)12.415.2Price bask	GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.0	4.6	2.4		
Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Private Level of competition (competition, partial comp., monopoly) International long distance service M C Mobile telephone service P P Internet service C C Efficiency and capacity Telecommunications revenue (% of GDP) 4.5 3.7 3.1 Mobile and fixed-line subscribers per employee 349 796 747 Telecommunications investment (% of revenue) 47.1 12.3 14.3 Performance Access C 2.2 27.4 67.4 Households with a television (%) 100 83 98 Usage 100.4 Internet subscribers (per 100 people) 12.2 27.4 67.4 4.5.3 3.5.7 Nobile cellular subscription (%) 100 83 98 Usage 100 83 98 Internet subscription (%) 100 83 98 Usage 5.7 Quality 99 100 99 100 99 99 100 <td>Adult literacy rate (% ages 15 and older)</td> <td></td> <td></td> <td>99</td>	Adult literacy rate (% ages 15 and older)			99		
Separate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorMixedPrivateLevel of competition (competition, partial comp., monopoly)International long distance serviceMCMobile telephone servicePPPInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)4.53.73.1Mobile and fixed-line subscribers per employee349796747Telecommunications investment (% of revenue)47.112.314.3PerformanceAccessTelephone lines (per 100 people)37.723.350.0Mobile cellular subscriptions (per 100 people)4.113.625.8Personal computers (per 100 people)12.227.467.4Households with a television (%)1008398UsageUsage1008398UsageNational voice traffic (minutes per person per month)6.46.214.0Mobile telephone usage (minutes per user per month)145122353Internet users (per 100 people)9.748.365.7QualityPP910099Fixed broadband subscribers (% of total Internet subscribers)0.693.382.6International Internet bandwidth (bits per second per person)6027.07518.242AfforabilityPrice basket for Internet service (\$ a month)12.8 </td <td>Gross primary, secondary, and tertiary enrollment (%)</td> <td>74</td> <td>83</td> <td>92</td>	Gross primary, secondary, and tertiary enrollment (%)	74	83	92		
Status of main fixed-line telephone operatorMixedPrivateLevel of competition (competition, partial comp., monopoly)International long distance serviceMCMobile telephone servicePPPInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)4.53.73.1Mobile and fixed-line subscribers per employee349796747Telecommunications investment (% of revenue)47.112.314.3PerformanceAccessTelephone lines (per 100 people)4.113.625.8Personal computers (per 100 people)12.227.467.4Households with a television (%)100839898UsageUsage1008398UsageNetmational voice traffic (minutes per person per month)6.46.214.0Mobile telephone usage (minutes per user per month)145122353International voice traffic (minutes per second per person)6027.07518.242AffordabilityPrice basket for residential fixed line (\$ a month).12.125.526.1Price basket for residential fixed line (\$ aronth)12.813.07.314.215.2International Internet service (\$ aronth)12.813.07.314.215.2International voice traffic (minutes per second per person)0.971.060.81Price basket for residential fi	Structure					
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Internet subscribers (per 100 people) 4.1 13.6 25.8 Personal computers (per 100 people) 12.2 27.4 67.4 Households with a television (%) 100 83 98 Usage International voice traffic (minutes per person per month) 6.4 6.2 14.0 Mobile telephone usage (minutes per user per month) 145 122 353 Internet users (per 100 people) 9.7 48.3 65.7 Quality Population covered by mobile cellular network (%) 99 100 99 Fixed broadband subscribers (% of total Internet subscribers) 0.6 93.3 82.6 International Intermet bandwidth (bits per second per person) 602 7,075 18,242 Affordability Price basket for residential fixed line (\$ a month) 12.1 25.5 26.1 Price basket for Internet service (\$ a month) . 12.8 13.0 Price basket for Internet service (\$ a month) . 12.8 13.0 Price basket for Internet service (\$ a month) . 12.8 13.0 Price of call to United S	Telephone lines (per 100 people)	37.7	23.3	50.0		
Personal computers (per 100 people) 12.2 27.4 67.4 Households with a television (%) 100 83 98 Usage International voice traffic (minutes per person per month) 6.4 6.2 14.0 Mobile telephone usage (minutes per user per month) 145 122 353 Internet users (per 100 people) 9.7 48.3 65.7 Quality Population covered by mobile cellular network (%) 99 100 99 Fixed broadband subscribers (% of total Internet subscribers) 0.6 93.3 82.6 International Internet bandwidth (bits per second per person) 602 7,075 18,242 Affordability Price basket for residential fixed line (\$ a month) 12.1 25.5 26.1 Price basket for Internet service (\$ a month) 12.8 13.0 Price basket for Internet service (\$ a month) 19.9 22.8 Price of call to United States (\$ for 3 minutes) 0.97 1.06 0.81 Trade ICT goods imports (% of total goods exports) 7.3 14.2 15.2	Mobile cellular subscriptions (per 100 people)	42.3	123.1	100.4		
Personal computers (per 100 people) 12.2 27.4 67.4 Households with a television (%) 100 83 98 Usage International voice traffic (minutes per person per month) 6.4 6.2 14.0 Mobile telephone usage (minutes per user per month) 145 122 353 Internet users (per 100 people) 9.7 48.3 65.7 Quality Population covered by mobile cellular network (%) 99 100 99 Fixed broadband subscribers (% of total Internet subscribers) 0.6 93.3 82.6 International Intermet bandwidth (bits per second per person) 602 7,075 18,242 Affordability Price basket for residential fixed line (\$ a month) 12.1 25.5 26.1 Price basket for Internet service (\$ a month) 12.8 13.0 Price basket for Internet service (\$ a month) 19.9 22.8 Price of call to United States (\$ for 3 minutes) 0.97 1.06 0.81 Trade ICT goods imports (% of total goods imports) 12.1 15.0 14.6 I	Internet subscribers (per 100 people)	4.1	13.6	25.8		
Usage International voice traffic (minutes per person per month) 6.4 6.2 14.0 Mobile telephone usage (minutes per user per month) 145 122 353 Internet users (per 100 people) 9.7 48.3 65.7 Quality 9 100 99 Population covered by mobile cellular network (%) 99 100 99 Fixed broadband subscribers (% of total Internet subscribers) 0.6 93.3 82.6 International Internet bandwidth (bits per second per person) 602 7,075 18,242 Affordability 7 12.1 25.5 26.1 Price basket for residential fixed line (\$ a month) 12.1 25.5 26.1 Price basket for Internet service (\$ a month) 19.9 22.8 Price of call to United States (\$ for 3 minutes) 0.97 1.06 0.81 Tade 12.1 15.0 14.6 15.2 ICT goods imports (% of total goods imports) 12.1 15.0 14.6 ICT goods imports (% of total service exports) 3.2 8.0	Personal computers (per 100 people)	12.2	27.4	67.4		
International voice traffic (minutes per person per month) 6.4 6.2 14.0 Mobile telephone usage (minutes per user per month) 145 122 353 Internet users (per 100 people) 9.7 48.3 65.7 Quality 99 100 99 Fixed broadband subscribers (% of total Internet subscribers) 0.6 93.3 82.6 International Internet bandwidth (bits per second per person) 602 7,075 18,242 Affordability 9 100 99 Price basket for residential fixed line (\$ a month) 12.1 25.5 26.1 Price basket for Internet service (\$ a month) 12.8 13.0 Price basket for Internet service (\$ a month) 19.9 22.8 Price of call to United States (\$ for 3 minutes) 0.97 1.06 0.81 Trade I I 15.0 14.6 ICT goods exports (% of total goods exports) 7.3 14.2 15.2 ICT goods imports (% of total service exports) 3.2 8.0 7.0 Applications	Households with a television (%)	100	83	98		
Mobile telephone usage (minutes per user per month)145122353Internet users (per 100 people)9.748.365.7Quality9910099Population covered by mobile cellular network (%)9910099Fixed broadband subscribers (% of total Internet subscribers)0.693.382.6International Internet bandwidth (bits per second per person)6027,07518,242Affordability912.125.526.1Price basket for residential fixed line (\$ a month)1.2.125.526.1Price basket for Internet service (\$ a month)12.813.0Price basket for Internet service (\$ a month)19.922.8Price of call to United States (\$ for 3 minutes)0.971.060.81Trade12.115.014.615.014.6ICT goods exports (% of total goods imports)12.115.014.6ICT service exports (% of total service exports)3.28.07.0Applications12.115.014.6167ICT expenditure (% of GDP)7.16.7E-gov't Web measure index (0-1, 1=highest presence)0.650.60	Usage					
Internet users (per 100 people)9.748.365.7QualityPopulation covered by mobile cellular network (%)9910099Fixed broadband subscribers (% of total Internet subscribers)0.693.382.6International Internet bandwidth (bits per second per person)6027,07518,242AffordabilityPrice basket for residential fixed line (\$ a month)12.125.526.1Price basket for mobile service (\$ a month)12.813.0Price basket for Internet service (\$ a month)19.922.8Price of call to United States (\$ for 3 minutes)0.971.060.81TradeICT goods exports (% of total goods exports)7.314.215.2ICT goods imports (% of total goods imports)12.115.014.6ICT service exports (% of total service exports)3.28.07.0ApplicationsICT expenditure (% of GDP)7.16.7E-gov't Web measure index (0-1, 1=highest presence)0.650.60	International voice traffic (minutes per person per month)	6.4	6.2	14.0		
QualityPopulation covered by mobile cellular network (%)9910099Fixed broadband subscribers (% of total Internet subscribers)0.693.382.6International Internet bandwidth (bits per second per person)6027,07518,242Affordability </td <td></td> <td>145</td> <td>122</td> <td>353</td>		145	122	353		
QualityPopulation covered by mobile cellular network (%)9910099Fixed broadband subscribers (% of total Internet subscribers)0.693.382.6International Internet bandwidth (bits per second per person)6027,07518,242Affordability </td <td>Internet users (per 100 people)</td> <td>9.7</td> <td>48.3</td> <td>65.7</td>	Internet users (per 100 people)	9.7	48.3	65.7		
Fixed broadband subscribers (% of total Internet subscribers) 0.6 93.3 82.6 International Internet bandwidth (bits per second per person) 602 7,075 18,242 Affordability 12.1 25.5 26.1 Price basket for mobile service (\$ a month) 12.1 25.5 26.1 Price basket for Internet service (\$ a month) 12.8 13.0 Price basket for Internet service (\$ a month) 19.9 22.8 Price of call to United States (\$ for 3 minutes) 0.97 1.06 0.81 Trade 15.2 15.2 ICT goods exports (% of total goods exports) 7.3 14.2 15.2 ICT goods imports (% of total goods imports) 12.1 15.0 14.6 ICT service exports (% of total service exports) 3.2 8.0 7.00 Applications 6.7 ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60						
Fixed broadband subscribers (% of total Internet subscribers) 0.6 93.3 82.6 International Internet bandwidth (bits per second per person) 602 7,075 18,242 Affordability 12.1 25.5 26.1 Price basket for mobile service (\$ a month) 12.1 25.5 26.1 Price basket for Internet service (\$ a month) 12.8 13.0 Price basket for Internet service (\$ a month) 19.9 22.8 Price of call to United States (\$ for 3 minutes) 0.97 1.06 0.81 Trade 15.2 15.2 ICT goods exports (% of total goods exports) 7.3 14.2 15.2 ICT goods imports (% of total goods imports) 12.1 15.0 14.6 ICT service exports (% of total service exports) 3.2 8.0 7.00 Applications 6.7 ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60	Population covered by mobile cellular network (%)	99	100	99		
Affordability 12.1 25.5 26.1 Price basket for residential fixed line (\$ a month) 12.1 25.5 26.1 Price basket for mobile service (\$ a month) .12.8 13.0 Price basket for Internet service (\$ a month) .19.9 22.8 Price of call to United States (\$ for 3 minutes) 0.97 1.06 0.81 Trade 12.1 15.0 14.2 15.2 ICT goods exports (% of total goods exports) 7.3 14.2 15.2 ICT goods imports (% of total goods imports) 12.1 15.0 14.6 ICT service exports (% of total service exports) 3.2 8.0 7.0 Applications ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60	Fixed broadband subscribers (% of total Internet subscribers	s) 0.6	93.3	82.6		
Price basket for residential fixed line (\$ a month) 12.1 25.5 26.1 Price basket for mobile service (\$ a month) 12.8 13.0 Price basket for Internet service (\$ a month) 19.9 22.8 Price of call to United States (\$ for 3 minutes) 0.97 1.06 0.81 Trade 12.1 15.0 14.6 ICT goods exports (% of total goods exports) 12.1 15.0 14.6 ICT service exports (% of total service exports) 3.2 8.0 7.0 Applications 7.1 6.7 ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60	International Internet bandwidth (bits per second per persor	n) 602	7,075	18,242		
Price basket for mobile service (\$ a month) 12.8 13.0 Price basket for Internet service (\$ a month) 19.9 22.8 Price of call to United States (\$ for 3 minutes) 0.97 1.06 0.81 Trade 11.00 14.2 15.2 ICT goods exports (% of total goods exports) 7.3 14.2 15.2 ICT goods imports (% of total goods imports) 12.1 15.0 14.6 ICT service exports (% of total service exports) 3.2 8.0 7.0 Applications 7.1 6.7 ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60	Affordability					
Price basket for Internet service (\$ a month) 19.9 22.8 Price of call to United States (\$ for 3 minutes) 0.97 1.06 0.81 Trade ICT goods exports (% of total goods exports) 7.3 14.2 15.2 ICT goods imports (% of total goods imports) 12.1 15.0 14.6 ICT service exports (% of total service exports) 3.2 8.0 7.0 Applications ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60	Price basket for residential fixed line (\$ a month)	12.1	25.5	26.1		
Price of call to United States (\$ for 3 minutes) 0.97 1.06 0.81 Trade ICT goods exports (% of total goods exports) 7.3 14.2 15.2 ICT goods imports (% of total goods imports) 12.1 15.0 14.6 ICT service exports (% of total service exports) 3.2 8.0 7.0 Applications ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60	Price basket for mobile service (\$ a month)		12.8	13.0		
Trade 7.3 14.2 15.2 ICT goods exports (% of total goods exports) 7.3 14.2 15.2 ICT goods imports (% of total goods imports) 12.1 15.0 14.6 ICT service exports (% of total service exports) 3.2 8.0 7.0 Applications ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60	Price basket for Internet service (\$ a month)		19.9	22.8		
ICT goods exports (% of total goods exports) 7.3 14.2 15.2 ICT goods imports (% of total goods imports) 12.1 15.0 14.6 ICT service exports (% of total service exports) 3.2 8.0 7.0 Applications 7.1 6.7 ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60	Price of call to United States (\$ for 3 minutes)	0.97	1.06	0.81		
ICT goods imports (% of total goods imports) 12.1 15.0 14.6 ICT service exports (% of total service exports) 3.2 8.0 7.0 Applications 7.1 6.7 ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60	Trade					
ICT service exports (% of total service exports) 3.2 8.0 7.0 Applications 7.1 6.7 ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60	ICT goods exports (% of total goods exports)	7.3	14.2	15.2		
Applications 7.1 6.7 ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60	ICT goods imports (% of total goods imports)	12.1	15.0	14.6		
ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60	ICT service exports (% of total service exports)	3.2	8.0	7.0		
ICT expenditure (% of GDP) 7.1 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60						
E-gov't Web measure index (0-1, 1=highest presence) 0.65 0.60			7.1	6.7		
			0.65	0.60		
	Secure Internet servers (per million people)	26.7	150.5	662.6		

Denmark

High income

	Country	Country data		Country data ⁱ		Country data in	High- income group
	2000	2007	2007				
Economic and social context							
Population (millions)	5	5	1,056				
Urban population (% of total)	85	86	78				
GNI per capita, World Bank Atlas method (\$)	31,850	55,440	37,572				
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.8	1.8	2.4				
Adult literacy rate (% ages 15 and older)			99				
Gross primary, secondary, and tertiary enrollment (%)	96	103	92				
Structure							
Separate telecommunications regulator	Yes	Yes					
Status of main fixed-line telephone operator	Private	Private					
Level of competition (competition, partial comp., monopoly)							
International long distance service	С	С					
Mobile telephone service	Р	Р					
Internet service	С	С					
Efficiency and capacity							
Telecommunications revenue (% of GDP)	2.6	2.6	3.1				
Mobile and fixed-line subscribers per employee	337	512	747				
Telecommunications investment (% of revenue)	27.0	15.0	14.3				
Performance							
Access	74.0	54 7	50.0				
Telephone lines (per 100 people)	71.9	51.7					
Mobile cellular subscriptions (per 100 people)	63.0	114.1	100.4				
Internet subscribers (per 100 people)	31.6	38.5	25.8				
Personal computers (per 100 people)	50.6	54.9					
Households with a television (%)	96	96	98				
Usage		05.0					
International voice traffic (minutes per person per month)	21.2	25.6					
Mobile telephone usage (minutes per user per month)	122	202	353				
Internet users (per 100 people)	39.2	80.7	65.7				
Quality			00				
Population covered by mobile cellular network (%)		114					
Fixed broadband subscribers (% of total Internet subscribers	·	93.2	82.6				
International Internet bandwidth (bits per second per person	n) 1,409	34,506	18,242				
Affordability	00 F	01.0	00.1				
Price basket for residential fixed line (\$ a month)	22.5	21.6					
Price basket for mobile service (\$ a month)		10.9					
Price basket for Internet service (\$ a month)		9.3	22.8				
Price of call to United States (\$ for 3 minutes)	1.30	0.89	0.81				
Trade	0.5		15.0				
ICT goods exports (% of total goods exports)	8.5	7.1	15.2				
ICT goods imports (% of total goods imports)	13.3	11.9					
ICT service exports (% of total service exports)			7.0				
Applications			o -				
ICT expenditure (% of GDP)		5.8	6.7				
E-gov't Web measure index (0–1, 1=highest presence)		1.00					
Secure Internet servers (per million people)	73.9	1,036.5	662.6				

Djibouti

Middle East & North Africa	Lower	middle	income		
	Country	L m Country data		n Country data	
	2000	2007	2007		
Economic and social context					
Population (millions)	0.73	0.83	3,435		
Urban population (% of total)	83	87			
GNI per capita, World Bank Atlas method (\$)	760	1,090	1,905		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-0.2	3.4	8.0		
Adult literacy rate (% ages 15 and older)			83		
Gross primary, secondary, and tertiary enrollment (%)	19	25	68		
Structure					
Separate telecommunications regulator		No			
Status of main fixed-line telephone operator	Public	Public			
Level of competition (competition, partial comp., monopoly)					
International long distance service	М	М			
Mobile telephone service					
Internet service	М	М			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	3.7	4.8	3.1		
Mobile and fixed-line subscribers per employee	19	56	624		
Telecommunications investment (% of revenue)	10.5	37.6	25.3		
Performance					
Access	1.3	1.3	15.3		
Telephone lines (per 100 people)	0.0	1.3 5.5			
Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	0.0	0.4			
Personal computers (per 100 people)	0.1	2.4			
Households with a television (%)	39	39			
Usage	55	00	15		
International voice traffic (minutes per person per month)	1.9	2.2			
Mobile telephone usage (minutes per user per month)			322		
Internet users (per 100 people)	0.2	1.3	12.4		
Quality					
Population covered by mobile cellular network (%)	30	75	80		
Fixed broadband subscribers (% of total Internet subscribers		1.2			
International Internet bandwidth (bits per second per person	ı) O	56	199		
Affordability					
Price basket for residential fixed line (\$ a month)	33.4	16.8			
Price basket for mobile service (\$ a month)		7.3			
Price basket for Internet service (\$ a month)		41.5			
Price of call to United States (\$ for 3 minutes)	4.73	4.73	2.08		
Trade					
ICT goods exports (% of total goods exports)			20.6		
ICT goods imports (% of total goods imports)					
ICT service exports (% of total service exports)	2.1	2.6	15.6		
Applications			_		
ICT expenditure (% of GDP)					
E-gov't Web measure index (0–1, 1=highest presence)		0.11			
Secure Internet servers (per million people)		1.2	1.8		

Dominica

Latin America & Caribbean

Upper middle income

	Countr	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	0.07	0.07	824
Urban population (% of total)	71	74	
GNI per capita, World Bank Atlas method (\$)	3,200	4,030	7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.2	1.6	4.3
Adult literacy rate (% ages 15 and older)			94
Gross primary, secondary, and tertiary enrollment (%)	75	81	82
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)	1		
International long distance service	М	М	
Mobile telephone service	М	М	
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.0	10.5	
Mobile and fixed-line subscribers per employee	132		566
Telecommunications investment (% of revenue)			
Performance			
Access			
Telephone lines (per 100 people)	31.8	29.3	
Mobile cellular subscriptions (per 100 people)	1.7	58.5	
Internet subscribers (per 100 people)	3.9	8.4	
Personal computers (per 100 people)	7.7 76	18.2	
Households with a television (%) Usage	70		92
International voice traffic (minutes per person per month)			
Mobile telephone usage (minutes per user per month)			137
Internet users (per 100 people)	8.4	36.6	26.6
Quality			
Population covered by mobile cellular network (%)			95
Fixed broadband subscribers (% of total Internet subscribers	s) 2.9	54.0	47.8
International Internet bandwidth (bits per second per person	n) 70	420	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	14.6	13.8	10.6
Price basket for mobile service (\$ a month)		12.4	10.9
Price basket for Internet service (\$ a month)		20.6	
Price of call to United States (\$ for 3 minutes)			1.55
Trade			
ICT goods exports (% of total goods exports)	0.6	0.3	
ICT goods imports (% of total goods imports)	7.4	6.8	
ICT service exports (% of total service exports)	21.0	9.4	4.6
Applications			FO
ICT expenditure (% of GDP)		 0.01	5.2 0.37
E-gov't Web measure index (0–1, 1=highest presence)	 84.4	273.2	
Secure Internet servers (per million people)	84.4	213.2	20.2

Dominican Republic

Latin America & Caribbean	Lower	middle	income
	Country	y data	Lower middle- income
	2000	2007	group 2007
Economic and social context			
Population (millions)	9	10	3,435
Urban population (% of total)	62	68	,
GNI per capita, World Bank Atlas method (\$)	2,050	3,560	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	7.8	4.8	
Adult literacy rate (% ages 15 and older)	87	89	83
Gross primary, secondary, and tertiary enrollment (%)	71	74	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly			
International long distance service	С	C	
Mobile telephone service	С	C	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)		0.5	
Mobile and fixed-line subscribers per employee	99		624
Telecommunications investment (% of revenue)		192.0	25.3
Performance			
Access	40.0		45.0
Telephone lines (per 100 people)	10.2	9.3	
Mobile cellular subscriptions (per 100 people)	8.1	56.7 2.7	
Internet subscribers (per 100 people)	0.6 1.9	2.7	
Personal computers (per 100 people) Households with a television (%)	1.9	3.0 78	
Usage	74	70	19
International voice traffic (minutes per person per month)	14.6		
Mobile telephone usage (minutes per user per month)			322
Internet users (per 100 people)	3.7	17.2	12.4
Quality Population covered by mobile cellular network (%)		90	80
Fixed broadband subscribers (% of total Internet subscriber	 s) 0.0	58.2	
International Internet bandwidth (bits per second per perso		154	
Affordability	i) 0	104	155
Price basket for residential fixed line (\$ a month)	18.1	18.2	7.2
Price basket for mobile service (\$ a month)	10.1	8.6	
Price basket for Internet service (\$ a month)		16.7	
Price of call to United States (\$ for 3 minutes)		0.22	
Trade			
ICT goods exports (% of total goods exports)	0.4		20.6
ICT goods imports (% of total goods imports)	6.6		20.2
ICT service exports (% of total service exports)	3.9	3.7	15.6
Applications			
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0-1, 1=highest presence)		0.51	0.33
Secure Internet servers (per million people)	0.9	13.2	1.8

Ecuador

Lower middle income

			mi Country data ^{inc}		Lower middle- income
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	12	13	3,435		
Urban population (% of total)	60	65	,		
GNI per capita, World Bank Atlas method (\$)	1,340	3,110	1,905		
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	0.7	5.0	,		
Adult literacy rate (% ages 15 and older)	91	84			
Gross primary, secondary, and tertiary enrollment (%)			<u> </u>		
Structure					
Separate telecommunications regulator	Yes	Yes			
Status of main fixed-line telephone operator	Public	Public	:		
Level of competition (competition, partial comp., monopoly)					
International long distance service	М	C			
Mobile telephone service	Р	C			
Internet service	P	C			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	2.8	4.1	3.1		
Mobile and fixed-line subscribers per employee	244	512	624		
Telecommunications investment (% of revenue)	9.8		25.3		
Performance					
Access					
Telephone lines (per 100 people)	10.0	13.5	15.3		
Mobile cellular subscriptions (per 100 people)	3.9	75.6	38.9		
Internet subscribers (per 100 people)	0.5	1.6	6.0		
Personal computers (per 100 people)	2.2	13.0	4.6		
Households with a television (%)	76	87	79		
Usage					
International voice traffic (minutes per person per month)	3.6	7.5			
Mobile telephone usage (minutes per user per month)	65	69	322		
Internet users (per 100 people)	1.5	13.2	12.4		
Quality					
Population covered by mobile cellular network (%)	80	84	80		
Fixed broadband subscribers (% of total Internet subscribers	s) 3.1	68.4	40.4		
International Internet bandwidth (bits per second per person	ı) 2	324	199		
Affordability	9.8	7.9	7.2		
Price basket for residential fixed line (\$ a month) Price basket for mobile service (\$ a month)		7.9 18.9			
		37.0			
Price basket for Internet service (\$ a month)	 2.49				
Price of call to United States (\$ for 3 minutes) Trade	2.48		2.08		
ICT goods exports (% of total goods exports)	0.0	0.3	20.6		
ICT goods imports (% of total goods imports)	0.0 6.4	7.7			
ICT service exports (% of total service exports)	7.2	6.2			
Applications	1.2	0.2	15.0		
ICT expenditure (% of GDP)		6.1	6.5		
E rout Web measure index (0, 1, 1, highest presence)		0.44	0.00		

Latin America & Caribbean

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E-gov't Web measure index (0-1, 1=highest presence)

Secure Internet servers (per million people)

0.33

1.8

...

0.9

0.44

10.1

Egypt, Arab Rep.

Middle East & North Africa	Lower middle inco		
	Countr	y data	Lower middle- income group
-	2000	2007	2007
Economic and social context			
	67	75	3,435
Population (millions)	67 43	43	,
Urban population (% of total) GNI per capita, <i>World Bank Atlas</i> method (\$)	1,460	1,580	
	1,400	4.3	
GDP growth, 1995-2000 and 2000-07 (avg. annual %) Adult literacy rate (% ages 15 and older)		4.3	
Gross primary, secondary, and tertiary enrollment (%)	 80	77	
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	С	C	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	3.8	3.1
Mobile and fixed-line subscribers per employee	125	538	624
Telecommunications investment (% of revenue)	18.8	24.8	25.3
Performance			
Access			
Telephone lines (per 100 people)	8.2	14.9	
Mobile cellular subscriptions (per 100 people)	2.0	39.8	
Internet subscribers (per 100 people)	0.1	3.5	
Personal computers (per 100 people)	1.2	4.9	
Households with a television (%)	86	96	79
Usage			
International voice traffic (minutes per person per month)	1.0	3.5	
Mobile telephone usage (minutes per user per month)		132	
Internet users (per 100 people) Quality	0.7	14.0	12.4
Population covered by mobile cellular network (%)		94	80
Fixed broadband subscribers (% of total Internet subscribers	5)	18.0	40.4
International Internet bandwidth (bits per second per persor	n) O	189	199
Affordability			
Price basket for residential fixed line (\$ a month)	4.3	3.7	7.2
Price basket for mobile service (\$ a month)		4.2	9.8
Price basket for Internet service (\$ a month)		4.3	16.7
Price of call to United States (\$ for 3 minutes)	3.33	1.45	2.08
Trade			00.0
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)		4.0	
ICT service exports (% of total service exports)	3.4	4.2	15.6
Applications		5.8	6.5
ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence)		5.8 0.61	
L-gov t web measure muck (U-1, 1=mgnest presence)		0.01	0.53

74

Secure Internet servers (per million people)

0.2

1.1

1.8

El Salvador

Latin America & Caribbean

Lower middle income

			Low midd Country data	Country data	
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	6	7	3,435		
Urban population (% of total)	58	60			
GNI per capita, World Bank Atlas method (\$)	2,030	2,850	1,905		
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.3	2.8	8.0		
Adult literacy rate (% ages 15 and older)		82	83		
Gross primary, secondary, and tertiary enrollment (%)	64	70	68		
Structure					
Separate telecommunications regulator	Yes	Yes			
Status of main fixed-line telephone operator	Mixed	Mixed	1		
Level of competition (competition, partial comp., monopoly)					
International long distance service	С	C			
Mobile telephone service	С	C			
Internet service	С	C	;		
Efficiency and capacity					
Telecommunications revenue (% of GDP)	4.3	5.7	3.1		
Mobile and fixed-line subscribers per employee	323	1,657	624		
Telecommunications investment (% of revenue)	155.8	29.3	25.3		
Performance					
Access					
Telephone lines (per 100 people)	10.1	15.8			
Mobile cellular subscriptions (per 100 people)	12.0	89.6			
Internet subscribers (per 100 people)	0.9	1.4			
Personal computers (per 100 people)	1.9	5.2			
Households with a television (%) Usage	82	83	79		
International voice traffic (minutes per person per month)	11.4	42.9			
Mobile telephone usage (minutes per user per month)			322		
Internet users (per 100 people)	1.1	11.1	12.4		
Quality					
Population covered by mobile cellular network (%)	85	95	80		
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	94.3	40.4		
International Internet bandwidth (bits per second per persor	ı) 7	18	199		
Affordability					
Price basket for residential fixed line (\$ a month)	16.3	2.0	7.2		
Price basket for mobile service (\$ a month)		8.5	9.8		
Price basket for Internet service (\$ a month)		22.6	16.7		
Price of call to United States (\$ for 3 minutes)	2.40	2.40	2.08		
Trade					
ICT goods exports (% of total goods exports)	0.6	0.6	20.6		
ICT goods imports (% of total goods imports)	9.3	8.4	20.2		
ICT service exports (% of total service exports)	12.9	9.6	15.6		
Applications					
ICT expenditure (% of GDP)					
E-gov't Web measure index (0–1, 1=highest presence)		0.58			
Secure Internet servers (per million people)	1.1	9.9	1.8		

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Equatorial Guinea

High income

Joint June group 2000 2007 2007 Economic and social context Population (millions) 0.43 0.51 1.056 Urban population (% of total) 39 39 78 GNI per capita, World Bank Atlas method (\$) 1.540 12.860 37.572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 36.0 16.8 2.4 Adult literacy rate (% ages 15 and older) 87 .92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service M C 14.3 Performance Access 14.3 Telepone lines (per 100 people) 1.4 2.1 50.0 Mobile cellular subscriptions (per 100 people) 1.2 43.3 100.4 Internet subscriptions (per 100 people) 0.1 0.2 25.8 Perf		Country	Country data		Country data	
Population (millions) 0.43 0.51 1.056 Urban population (% of total) 39 39 78 GNI per capita, World Bank Atlas method (\$) 1.540 12,860 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 36.0 16.8 2.4 Adult itteracy rate (% ages 15 and older) 87 92 Structure 87 No Structure 8 92 Structure No Status of main fixed-line telephone operator Mixed Level of competition (competition, partial comp., monopoly) International long distance service C Internet service M C Mobile telephone service C Internet service M C 14.3 Telecommunications revenue (% of GDP) 1.2 3.1 Mobile telephone service 14.3 Telecommunications investment (% of revenue) 14.3 10.0		2000	2007			
Urban population (% of total) 39 39 78 GNI per capita, World Bank Atlas method (\$) 1,540 12,860 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 36.0 16.8 2.4 Adult literacy rate (% ages 15 and older) 87 99 Gross primary, secondary, and tertiary enrollment (%) 58 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service M C Felecommunications revenue (% of GDP) 1.2 Telecommunications investment (% of revenue) Performance Access Access Telephone lines (per 100 people) 0.1 Mobile cellular subscriptions (per 100	Economic and social context					
GNI per capita, World Bank Atlas method (\$) 1,540 12,860 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 36.0 16.8 2.4 Adult literacy rate (% ages 15 and older) 87 99 Gross primary, secondary, and tertiary enrollment (%) 58 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service M C Mobile telephone service 14.3 Performance Access 14.3 100.4 Internet subscriptors (per 100 people) 1.2 43.3 100.4 Internet subscriptors (per 100 people) 1.2 43.3 100.4 Internet subscriptors (per 100 people) 0.2 25.8 98 Vasge 14.0 40.4 Mobile telephone usage (minutes per person per month)	Population (millions)	0.43	0.51	1,056		
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 36.0 16.8 2.4 Adult literacy rate (% ages 15 and older) 87 99 Gross primary, secondary, and tertiary enrollment (%) 58 92 Structure Structure No Structure (competition, partial comp., monopoly) Mixed Mixed International long distance service M C Mobile telephone service C Internet service M C Mobile telephone service C Internet service M C 14.3 Performance Access Telecommunications investment (% of revenue) 14.3 Performance Access Telephone lines (per 100 people) 1.4 2.1 50.0 Mobile cellular subscriptions (per 100 people) 0.5 1.9 67.4 Households with a television (%) 23 26 98 Usage Protomance A	Urban population (% of total)	39	39	78		
Adult literacy rate (% ages 15 and older) 87 99 Gross primary, secondary, and tertiary enrollment (%) 58 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service M C Mobile telephone service C Internet service M C 14.3 Performance Access 14.3 Performance Access 14.3 Internet subscribers (per 100 people) 1.4 2.1 50.0 Mobile cellular subscriptions (per 100 people) 1.2 43.3 100.4 Internet subscribers (per 100 people) 0.5 1.9 67.4 Households with a television (%) 14.0 Mobile cellular subscriptions (per 100 people) 0.2 1.6 65.7 Mused Level foradband subscribers (% of total Internet subscribers) <td>GNI per capita, World Bank Atlas method (\$)</td> <td>1,540</td> <td>12,860</td> <td>37,572</td>	GNI per capita, World Bank Atlas method (\$)	1,540	12,860	37,572		
Gross primary, secondary, and tertiary enrollment (%) 58 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service M C Mobile telephone service C Internet service M C C Felfciency and capacity Telecommunications revenue (% of GDP) 1.2 3.1 Mobile and fixed-line subscribers per employee 65 747 Telecommunications investment (% of revenue) 14.3 100.4 Internet subscribers (per 100 people) 1.4 2.1 50.0 Mobile cellular subscriptions (per 100 people) 0.1 0.2 25.8 Personal computers (per 100 people) 0.5 1.9 67.4 Households with a television (%) 23 26 98 Usage Internet service (per 100 people) 0.2 1.6 65.7 Quality </td <td>GDP growth, 1995-2000 and 2000-07 (avg. annual %)</td> <td>36.0</td> <td>16.8</td> <td>2.4</td>	GDP growth, 1995-2000 and 2000-07 (avg. annual %)	36.0	16.8	2.4		
Structure No Status of main fixed-line telephone operator Mixed Level of competition (competition, partial comp., monopoly) International long distance service M International long distance service M C Mobile telephone service C Internet service M C Efficiency and capacity 1.2 3.1 Mobile and fixed-line subscribers per employee 65 747 Telecommunications investment (% of revenue) 14.3 Performance Access 14.3 Relephone lines (per 100 people) 1.4 2.1 50.0 Mobile cellular subscriptions (per 100 people) 0.1 0.2 25.8 Personal computers (per 100 people) 0.5 1.9 67.4 Households with a television (%) 23 26 98 Usage 14.0 Mobile telephone usage (minutes per person per month) 14.0 Mobile telephone usage (minutes per person per month) 14.0 Mobile telephone usage (minutes per user permonth) <	Adult literacy rate (% ages 15 and older)	87		99		
Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Mobile telephone service C Internet service M C Efficiency and capacity Telecommunications revenue (% of GDP) 1.2 3.1 Mobile and fixed-line subscribers per employee 65 747 Telecommunications investment (% of revenue) 14.3 Performance Access 14.3 Personal computers (per 100 people) 1.4 2.1 50.0 Mobile cellular subscriptions (per 100 people) 0.5 1.9 67.4 Households with a television (%) 23 26 98 Usage International voice traffic (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) 98 Usage Depulei 0.2 1.6 65.7 Quality Population covered by mobile cellular network (%)		58		92		
Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Mobile telephone service C Internet service M C Efficiency and capacity Telecommunications revenue (% of GDP) 1.2 3.1 Mobile and fixed-line subscribers per employee 65 747 Telecommunications investment (% of revenue) 14.3 Performance Access 14.3 Personal computers (per 100 people) 1.4 2.1 50.0 Mobile cellular subscriptions (per 100 people) 0.5 1.9 67.4 Households with a television (%) 23 26 98 Usage International voice traffic (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) 98 Usage Depulei 0.2 1.6 65.7 Quality Population covered by mobile cellular network (%)	Structure					
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Mobile telephone serviceCInternet serviceMCEfficiency and capacity1.2Telecommunications revenue (% of GDP)1.2Mobile and fixed-line subscribers per employee65747Telecommunications investment (% of revenue)14.3Telecommunications investment (% of revenue)PerformanceAccessAccessTelephone lines (per 100 people)1.42.150.0Mobile cellular subscriptions (per 100 people)0.10.225.8Personal computers (per 100 people)0.51.967.4Households with a television (%)232698UsageUsage14.0Mobile telephone usage (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)14.0Mobile telephone usage (minutes per user per month)14.0Mobile telephone usage (minutes per user person)0.21.665.7QualityPice basket for residential fixed line (% a month)Price basket for residential fixed line (% a month)Price basket for Internet service (\$ a month)Price basket for Internet service (\$ a month)Price basket for Internet service (\$ a month) <td></td> <td></td> <td>С</td> <td></td>			С			
Internet serviceMCEfficiency and capacity	-					
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Telecommunications revenue (% of GDP) 1.2 3.1 Mobile and fixed-line subscribers per employee 65 747 Telecommunications investment (% of revenue) 14.3 Performance 14.3 Access 14.3 Telephone lines (per 100 people) 1.4 2.1 50.0 Mobile cellular subscriptions (per 100 people) 1.2 43.3 100.4 Internet subscribers (per 100 people) 0.1 0.2 25.8 Personal computers (per 100 people) 0.5 1.9 67.4 Households with a television (%) 23 26 98 Usage 14.0 Mobile telephone usage (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) 14.0 Mobile telephone usage (minutes per second per person) 0.0 15.0 82.6 International network (%) 99 Fixed broadband subscribers (% of total Internet subscribers) 0.0 15.0 82.6						
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Telecommunications investment (% of revenue) 14.3 Performance Access Telephone lines (per 100 people) 1.4 2.1 50.0 Mobile cellular subscriptions (per 100 people) 1.2 43.3 100.4 Internet subscribers (per 100 people) 0.1 0.2 25.8 Personal computers (per 100 people) 0.5 1.9 67.4 Households with a television (%) 23 26 98 Usage 14.0 Mobile telephone usage (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) Internet users (per 100 people) 0.2 1.6 65.7 Quality Population covered by mobile cellular network (%) <td< td=""><td></td><td></td><td></td><td></td></td<>						
Performance Access Telephone lines (per 100 people) 1.4 2.1 50.0 Mobile cellular subscriptions (per 100 people) 1.2 43.3 100.4 Internet subscribers (per 100 people) 0.1 0.2 25.8 Personal computers (per 100 people) 0.5 1.9 67.4 Households with a television (%) 23 26 98 Usage International voice traffic (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) 353 Internet users (per 100 people) 0.2 1.6 65.7 Quality Population covered by mobile cellular network (%) Population covered by mobile cellular network (%) Price basket for residential fixed line (\$ a month) Price basket for Internet service (\$ a month) <t< td=""><td></td><td></td><td></td><td></td></t<>						
Access Telephone lines (per 100 people) 1.4 2.1 50.0 Mobile cellular subscriptions (per 100 people) 1.2 43.3 100.4 Internet subscribers (per 100 people) 0.1 0.2 25.8 Personal computers (per 100 people) 0.5 1.9 67.4 Households with a television (%) 23 26 98 Usage International voice traffic (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) 14.0 Mobile telephone usage (minutes per user per month) International voice traffic (minutes per person per month) Mobile telephone usage (minutes per user per month) Quality Population covered by mobile cellular network (%) Population covered by mobile cellular network (%) International Internet bandwidth (bits per second per person) 0 <td< td=""><td>Telecommunications investment (% of revenue)</td><td></td><td></td><td>14.3</td></td<>	Telecommunications investment (% of revenue)			14.3		
Telephone lines (per 100 people) 1.4 2.1 50.0 Mobile cellular subscriptions (per 100 people) 1.2 43.3 100.4 Internet subscribers (per 100 people) 0.1 0.2 25.8 Personal computers (per 100 people) 0.5 1.9 67.4 Households with a television (%) 23 26 98 Usage . .14.0 Mobile telephone usage (minutes per person per month) .14.0 Mobile telephone usage (minutes per user per month) International voice traffic (minutes per user per month) Mobile telephone usage (minutes per user per month) Multity Population covered by mobile cellular network (%) Population covered by mobile cellular network (%) Population covered by mobile cellular network (%) Price basket for residential fixed line (\$ a month) Price basket for Internet service (\$ a month)	Performance					
Mobile cellular subscriptions (per 100 people) 1.2 43.3 100.4 Internet subscriptions (per 100 people) 0.1 0.2 25.8 Personal computers (per 100 people) 0.5 1.9 67.4 Households with a television (%) 23 26 98 Usage International voice traffic (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) 14.0 Mobile telephone usage (minutes per user per month) 14.0 Quality Population covered by mobile cellular network (%) Prixed broadband subscribers (% of total Internet subscribers) 0.0 15.0 82.6 International Internet bandwidth (bits per second per person) 0 35 18,242 Affordability	Access					
Internet subscribers (per 100 people) 0.1 0.2 25.8 Personal computers (per 100 people) 0.5 1.9 67.4 Households with a television (%) 23 26 98 Usage 14.0 Mobile telephone usage (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) 353 Internet users (per 100 people) 0.2 1.6 65.7 Quality Population covered by mobile cellular network (%) 99 Fixed broadband subscribers (% of total Internet subscribers) 0.0 15.0 82.6 International Internet bandwidth (bits per second per person) 0 35 18,242 Affordability 13.0 Price basket for residential fixed line (\$ a month) 0.81 Trade 15.2 15.2 ICT goods exports (% of total goods exports) 14.6 ICT seovice exports (% of total service exports) 7.0 Applications <td< td=""><td>Telephone lines (per 100 people)</td><td>1.4</td><td>2.1</td><td>50.0</td></td<>	Telephone lines (per 100 people)	1.4	2.1	50.0		
Personal computers (per 100 people) 0.5 1.9 67.4 Households with a television (%) 23 26 98 Usage International voice traffic (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) 14.0 Mobile telephone usage (minutes per user per month) 353 Internet users (per 100 people) 0.2 1.6 65.7 Quality Population covered by mobile cellular network (%) Pixed broadband subscribers (% of total Internet subscribers) 0.0 15.0 82.6 International Internet bandwidth (bits per second per person) 0 35 18.242 Affordability 26.1 Price basket for residential fixed line (\$ a month) 26.1 Price basket for Internet service (\$ a month) 0.81 Trade 0.81 15.2 ICT goods exports (% of total goods exports) 14.6 <	Mobile cellular subscriptions (per 100 people)	1.2	43.3	100.4		
Households with a television (%)232698Usage14.0Mobile telephone usage (minutes per person per month)353Internet users (per 100 people)0.21.665.7QualityPopulation covered by mobile cellular network (%)Internet bandwidth (bits per second per person)0.015.082.6International Internet bandwidth (bits per second per person)0.3518,242AffordabilityPrice basket for residential fixed line (\$ a month)26.1Price basket for Internet service (\$ a month)13.0Price basket for Internet service (\$ a month)0.81Trade15.215.2ICT goods exports (% of total goods exports)14.6ICT service exports (% of total service exports)7.0Applications6.7ICT expenditure (% of GDP)6.7E-gov't Web measure index (0-1, 1=highest presence)0.060.60	Internet subscribers (per 100 people)	0.1	0.2	25.8		
Usage 14.0 Mobile telephone usage (minutes per person per month) 353 Internet users (per 100 people) 0.2 1.6 65.7 Quality 99 Fixed broadband subscribers (% of total Internet subscribers) 0.0 15.0 82.6 International Internet bandwidth (bits per second per person) 0 35 18,242 Affordability 26.1 Price basket for residential fixed line (\$ a month) 13.0 Price basket for Internet service (\$ a month) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 14.6 ICT goods imports (% of total goods imports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.06	Personal computers (per 100 people)	0.5	1.9	67.4		
International voice traffic (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)353Internet users (per 100 people)0.21.665.7QualityPopulation covered by mobile cellular network (%)99Fixed broadband subscribers (% of total Internet subscribers)0.015.082.6International Internet bandwidth (bits per second per person)03518,242AffordabilityPrice basket for residential fixed line (\$ a month)26.1Price basket for nobile service (\$ a month)13.0Price basket for Internet service (\$ a month)0.81Trade0.81CIT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)7.0Applications6.7CIT expenditure (% of GDP)6.7E-gov't Web measure index (0-1, 1=highest presence)0.060.60	Households with a television (%)	23	26	98		
Mobile telephone usage (minutes per user per month)	Usage					
Internet users (per 100 people)0.21.665.7QualityPopulation covered by mobile cellular network (%)99Fixed broadband subscribers (% of total Internet subscribers)0.015.082.6International Internet bandwidth (bits per second per person)03518,242AffordabilityPrice basket for residential fixed line (\$ a month)26.1Price basket for nobile service (\$ a month)13.0Price basket for Internet service (\$ a month)0.81Trade0.81ICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)7.0Applications6.7ICT expenditure (% of GDP)6.7E-gov't Web measure index (0-1, 1=highest presence)0.060.60	International voice traffic (minutes per person per month)			14.0		
Quality	Mobile telephone usage (minutes per user per month)			353		
Population covered by mobile cellular network (%)99Fixed broadband subscribers (% of total Internet subscribers)0.015.082.6International Internet bandwidth (bits per second per person)03518,242Affordability26.1Price basket for residential fixed line (\$ a month)13.0Price basket for Internet service (\$ a month)13.0Price basket for Internet service (\$ a month)0.81Trade0.81ICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)14.6ICT service exports (% of total service exports)7.0Applications6.7ICT expenditure (% of GDP)6.7E-gov't Web measure index (0-1, 1=highest presence)0.060.60	Internet users (per 100 people)	0.2	1.6	65.7		
Fixed broadband subscribers (% of total Internet subscribers)0.015.082.6International Internet bandwidth (bits per second per person)03518,242AffordabilityPrice basket for residential fixed line (\$ a month)26.1Price basket for mobile service (\$ a month)13.0Price basket for Internet service (\$ a month)13.0Price basket for Internet service (\$ a month)0.81TradeIterateIterateIterateICT goods exports (% of total goods exports)14.6ICT service exports (% of total service exports)7.0ApplicationsICT expenditure (% of GDP)6.7E-gov't Web measure index (0-1, 1=highest presence)0.0060.60	Quality					
International Internet bandwidth (bits per second per person) 0 35 18,242 Affordability Price basket for residential fixed line (\$ a month) 26.1 Price basket for mobile service (\$ a month) 13.0 Price basket for Internet service (\$ a month) 32.2 22.8 Price of call to United States (\$ for 3 minutes) 0.81 Trade ICT goods exports (% of total goods exports) 14.6 ICT service exports (% of total goods imports) 7.0 Applications ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.60	Population covered by mobile cellular network (%)			99		
Affordability	Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	15.0	82.6		
Price basket for residential fixed line (\$ a month) 26.1 Price basket for mobile service (\$ a month) 13.0 Price basket for Internet service (\$ a month) 32.2 22.8 Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.60	International Internet bandwidth (bits per second per persor	ı) O	35	18,242		
Price basket for mobile service (\$ a month) 13.0 Price basket for Internet service (\$ a month) 32.2 22.8 Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.60	Affordability					
Price basket for Internet service (\$ a month) 32.2 22.8 Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) .1 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.60	Price basket for residential fixed line (\$ a month)			26.1		
Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) .15.2 ICT goods imports (% of total goods imports) .14.6 ICT service exports (% of total service exports) Applications 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.06	Price basket for mobile service (\$ a month)			13.0		
Trade 15.2 ICT goods exports (% of total goods exports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.60	Price basket for Internet service (\$ a month)		32.2	22.8		
ICT goods exports (% of total goods exports) 15.2 ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.06	Price of call to United States (\$ for 3 minutes)			0.81		
ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.60	Trade					
ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.60	ICT goods exports (% of total goods exports)			15.2		
Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.60	ICT goods imports (% of total goods imports)			14.6		
ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.60	ICT service exports (% of total service exports)			7.0		
E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.60	Applications					
	ICT expenditure (% of GDP)			6.7		
Secure Internet servers (per million people) 1.9 662.6	E-gov't Web measure index (0-1, 1=highest presence)		0.06	0.60		
	Secure Internet servers (per million people)		1.9	662.6		

Eritrea

Sub-Saharan Africa

Low income

	Countr	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	4	5	1,296
Urban population (% of total)	18	20	32
GNI per capita, World Bank Atlas method (\$)	170	270	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.5	1.4	5.6
Adult literacy rate (% ages 15 and older)	53		64
Gross primary, secondary, and tertiary enrollment (%)	33	35	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	С	Р	
Internet service	С	Р	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	2.0	3.3
Mobile and fixed-line subscribers per employee	67	105	301
Telecommunications investment (% of revenue)	127.5	47.8	
Performance			
Access			
Telephone lines (per 100 people)	0.8	0.8	
Mobile cellular subscriptions (per 100 people)	0.0	1.7	
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.2	0.8	
Households with a television (%)	11	18	16
Usage	0.5	0.5	
International voice traffic (minutes per person per month)	0.5	0.5	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.1	2.5	5.2
Quality	0	2	54
Population covered by mobile cellular network (%) Fixed broadband subscribers (% of total Internet subscribers		2 0.0	
International Internet bandwidth (bits per second per persor		0.0	
Affordability	i) 0	Z	20
Price basket for residential fixed line (\$ a month)	5.3	6.2	5.7
Price basket for mobile service (\$ a month)		16.8	
Price basket for Internet service (\$ a month)		28.6	
Price of call to United States (\$ for 3 minutes)	 5.83	3.59	
Trade	5.65	5.55	2.00
ICT goods exports (% of total goods exports)		0.2	1.4
ICT goods imports (% of total goods imports)		5.2	6.7
ICT service exports (% of total service exports)	 13.5	J.2 	0.7
Applications	10.0		
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.06	0.11
Secure Internet servers (per million people)		0.00	0.11
			0.5

Estonia

High income

	Country	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	1	1	1,056
Urban population (% of total)	69	69	78
GNI per capita, World Bank Atlas method (\$)	4,190	12,830	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.8	8.1	2.4
Adult literacy rate (% ages 15 and older)	100	100	99
Gross primary, secondary, and tertiary enrollment (%)	88	92	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)		mixed	
International long distance service	М	С	
Mobile telephone service	C	P	
Internet service	C	C	
Efficiency and capacity Telecommunications revenue (% of GDP)	5.1	4.8	3.1
Mobile and fixed-line subscribers per employee	354	4.8	747
Telecommunications investment (% of revenue)	17.6	12.8	14.3
	17.0	12.0	14.5
Performance			
Access			
Telephone lines (per 100 people)	38.2	36.9	50.0
Mobile cellular subscriptions (per 100 people)	40.7	147.7	100.4
Internet subscribers (per 100 people)	6.0	21.2	25.8
Personal computers (per 100 people)	16.1	52.2	67.4
Households with a television (%)	85	86	98
Usage	407		
International voice traffic (minutes per person per month)	10.7	9.1	14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	28.6	63.7	65.7
Quality Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers		97.7	82.6
International Internet bandwidth (bits per second per persor		11,925	18,242
Affordability	1) 157	11,525	10,242
Price basket for residential fixed line (\$ a month)	9.4	15.6	26.1
Price basket for mobile service (\$ a month)		8.6	13.0
Price basket for Internet service (\$ a month)		10.9	22.8
Price of call to United States (\$ for 3 minutes)	1.62	0.90	
Trade	1.02	0.50	0.01
ICT goods exports (% of total goods exports)	26.0	14.2	15.2
ICT goods imports (% of total goods imports)	20.0	14.2	13.2
ICT service exports (% of total goods imports)	20.3	6.1	7.0
Applications	2.0	0.1	1.0
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.71	0.60
Secure Internet servers (per million people)	 58.6	279.7	662.6
	50.0	213.1	002.0

Ethiopia

Sub-Saharan Africa

Low income

	Country	Country data	
_	2000	2007	group 2007
Economic and social context			
Population (millions)	66	79	1,296
Urban population (% of total)	15	17	32
GNI per capita, World Bank Atlas method (\$)	130	220	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.5	7.5	5.6
Adult literacy rate (% ages 15 and older)		36	64
Gross primary, secondary, and tertiary enrollment (%)	27	42	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	М	М	
Internet service	М	М	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	2.2	3.3
Mobile and fixed-line subscribers per employee	35	142	301
Telecommunications investment (% of revenue)	42.6	17.8	
Performance Access			
Telephone lines (per 100 people)	0.4	1.1	4.0
Mobile cellular subscriptions (per 100 people)	0.0	1.1	21.5
Internet subscribers (per 100 people)	0.0	0.0	
Personal computers (per 100 people)	0.0	0.7	
Households with a television (%)	2	5	
Usage			
International voice traffic (minutes per person per month)	0.1	0.3	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.0	0.4	5.2
Quality			
Population covered by mobile cellular network (%)		10	54
Fixed broadband subscribers (% of total Internet subscribers	6) 0.0	1.0	3.4
International Internet bandwidth (bits per second per person	ı) O	3	26
Affordability			
Price basket for residential fixed line (\$ a month)	3.1	2.2	5.7
Price basket for mobile service (\$ a month)		3.6	11.2
Price basket for Internet service (\$ a month)		14.6	29.2
Price of call to United States (\$ for 3 minutes)	7.35	4.01	2.00
Trade			
ICT goods exports (% of total goods exports)	0.0	0.3	
ICT goods imports (% of total goods imports)	5.0	7.1	6.7
ICT service exports (% of total service exports)	3.6	6.3	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.17	0.11
Secure Internet servers (per million people)	0.0	0.0	0.5

Faeroe Islands

High income

	Country	Country data		Country data		Country data		Country data	High- income group
	2000	2007	2007						
Economic and social context									
Population (millions)	0.05	0.05	1,056						
Urban population (% of total)	36	41	78						
GNI per capita, World Bank Atlas method (\$)			37,572						
GDP growth, 1995–2000 and 2000–07 (avg. annual %)			2.4						
Adult literacy rate (% ages 15 and older)			99						
Gross primary, secondary, and tertiary enrollment (%)			92						
Structure									
Separate telecommunications regulator		No							
Status of main fixed-line telephone operator									
Level of competition (competition, partial comp., monopoly)									
International long distance service									
Mobile telephone service									
Internet service									
Efficiency and capacity									
Telecommunications revenue (% of GDP)			3.1						
Mobile and fixed-line subscribers per employee	178	249	747						
Telecommunications investment (% of revenue)	16.9	3.7	14.3						
Performance									
Access									
Telephone lines (per 100 people)	54.5	46.4	50.0						
Mobile cellular subscriptions (per 100 people)	37.1	107.8	100.4						
Internet subscribers (per 100 people)	14.0	29.9	25.8						
Personal computers (per 100 people)			67.4						
Households with a television (%)	94	98	98						
Usage									
International voice traffic (minutes per person per month)			14.0						
Mobile telephone usage (minutes per user per month)			353						
Internet users (per 100 people)	32.8	77.5	65.7						
Quality									
Population covered by mobile cellular network (%)	98	100	99						
Fixed broadband subscribers (% of total Internet subscriber	s) 0.7	91.6	82.6						
International Internet bandwidth (bits per second per person	ו)	3,316	18,242						
Affordability									
Price basket for residential fixed line (\$ a month)		29.4	26.1						
Price basket for mobile service (\$ a month)			13.0						
Price basket for Internet service (\$ a month)			22.8						
Price of call to United States (\$ for 3 minutes)			0.81						
Trade									
ICT goods exports (% of total goods exports)		0.0	15.2						
ICT goods imports (% of total goods imports)	5.2	6.5	14.6						
ICT service exports (% of total service exports)	1.8	2.8	7.0						
Applications			_						
ICT expenditure (% of GDP)			6.7						
E-gov't Web measure index (0–1, 1=highest presence)			0.60						
Secure Internet servers (per million people)	21.5	62.2	662.6						

Fiji

East Asia & Pacific

Upper middle income

	Country data		Country data		Upper middle- income
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	0.80	0.83	824		
Urban population (% of total)	48	52			
GNI per capita, World Bank Atlas method (\$)	2,270	3,750	7,107		
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.2	1.9	4.3		
Adult literacy rate (% ages 15 and older)			94		
Gross primary, secondary, and tertiary enrollment (%)	73	75	82		
Structure					
Separate telecommunications regulator		No			
Status of main fixed-line telephone operator	Public	Mixed			
Level of competition (competition, partial comp., monopoly)					
International long distance service	М	М			
Mobile telephone service	М	М			
Internet service					
Efficiency and capacity					
Telecommunications revenue (% of GDP)	5.2	4.7	3.3		
Mobile and fixed-line subscribers per employee	104				
Telecommunications investment (% of revenue)	17.5	13.6			
Performance					
Access					
Telephone lines (per 100 people)	10.8	14.6			
Mobile cellular subscriptions (per 100 people)	6.9	63.5			
Internet subscribers (per 100 people)	0.4	1.7			
Personal computers (per 100 people)	4.5	6.1			
Households with a television (%) Usage	54	60	92		
International voice traffic (minutes per person per month)	5.8				
Mobile telephone usage (minutes per user per month)			137		
Internet users (per 100 people)	1.5	9.6	26.6		
Quality Population covered by mobile cellular network (%)	40	65	95		
Fixed broadband subscribers (% of total Internet subscribers		83.3			
International Internet bandwidth (bits per second per persor		151			
Affordability	., -		_,		
Price basket for residential fixed line (\$ a month)	5.5	9.5	10.6		
Price basket for mobile service (\$ a month)		11.0	10.9		
Price basket for Internet service (\$ a month)		22.2	16.4		
Price of call to United States (\$ for 3 minutes)	3.76	2.84			
Trade					
ICT goods exports (% of total goods exports)	0.1	0.8	13.5		
ICT goods imports (% of total goods imports)	6.2	3.5	16.2		
ICT service exports (% of total service exports)	5.7	3.1	4.6		
Applications					
ICT expenditure (% of GDP)			5.2		
E-gov't Web measure index (0-1, 1=highest presence)		0.27			
Secure Internet servers (per million people)	5.0	26.2	26.2		

Finland

High income

2000 2007 2007 Economic and social context Population (millions) 5 5 1,056 Urban population (% of total) 61 63 78 GNI per capita, World Bank Atlas method (\$) 25,480 44,300 37,572 GDP growth, 1995-2000 and 2000-07 (avg, annual %) 4.9 3.0 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 104 101 92 Structure Separate telecommunications regulator Yes Yes Yes Status of main fixed-line telephone operator Mixed Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service C C Internet service C C C Mixed Mixed Telecommunications revenue (% of GDP) 3.3 2.5 3.1 Mobile and fixed-line subscribers per employee 272 584 747 Telecommunications revenue (% of revenue) 20.0 1.6.0 10.4 <th></th> <th>Country</th> <th colspan="2">Country data</th> <th colspan="2">Country data</th> <th>Country data</th> <th>High- income group</th>		Country	Country data		Country data		Country data	High- income group
Population (millions) 5 5 1,056 Urban population (% of total) 61 63 78 GNI per capita, World Bank Atlas method (\$) 25,480 44,300 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.9 3.0 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 104 101 92 Structure S Yes Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service C C C Internet service C C C Telecommunications revenue (% of GDP) 3.3 2.5 3.1 Mobile etlephone sines (per 100 people) 55.0 32.9 50.0 Mobile cellular subscriptions (per 100 people) 115.0 100.4 Households with a television (%) 92 87 98 Vage Internet subscribers (per 100 people) 37.2 <		2000	2007					
Urban population (% of total) 61 63 78 GNI per capita, World Bank Atlas method (\$) 25,480 44,300 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.9 3.0 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 104 101 92 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) Internet service C C Internet service C C C C Telecommunications revenue (% of GDP) 3.3 2.5 3.1 Mobile and fixed-line subscribers per employee 272 584 747 Telecommunications investment (% of revenue) 20.3 14.3 Performance Access 119 26.8 25.0 32.9 50.0 Relephone lines (per 100 people) 15.0 11.9 2.6 50.0	Economic and social context							
GNI per capita, World Bank Atlas method (\$) 25,480 44,300 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.9 3.0 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 104 101 92 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service C C Internet service C C C C Elecommunications revenue (% of GDP) 3.3 2.5 3.1 Mobile and fixed-line subscribers per employee 272 584 747 Telecommunications investment (% of revenue) 2.0 14.3 Performance Access 2.0 115.0 100.4 Internet subscriptors (per 100 people) 72.0 115.0 100.4 Internet subscriptors (per 100 people) 37.2 78.8 65.7	Population (millions)	5	5	1,056				
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.9 3.0 2.4 Adult literacy rate (% ages 15 and older)	Urban population (% of total)	61	63	78				
Adult literacy rate (% ages 15 and older)99Gross primary, secondary, and tertiary enrollment (%)10410192StructureSeparate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorMixedMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCInternational long distance serviceCCCInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)3.32.53.1Mobile and fixed-line subscribers per employee272584747Telecommunications investment (% of revenue)20.314.3PerformanceAccessTelephone lines (per 100 people)72.0115.0100.4Internet subscribers (per 100 people)11.926.825.8Personal computers (per 100 people)11.926.825.8Personal computers (per 100 people)37.278.865.7MusageInternet subscribers (per 100 people)37.278.865.7QualityPopulation covered by mobile cellular network (%)999999Pixed broadband subscribers (% of total Internet subscribers)5.75.7.182.6International linternet bandwidth (bits per second per person)34717.22118.242AffordabilityPrice basket for residential fixed line (\$ a month)1.4.31.6International Internet	GNI per capita, World Bank Atlas method (\$)	25,480	44,300	37,572				
Gross primary, secondary, and tertiary enrollment (%)10410192StructureSeparate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorMixedMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)3.32.53.1Mobile and fixed-line subscribers per employee272584747Telecommunications investment (% of revenue)20.314.3PerformanceAccessTelephone lines (per 100 people)72.0115.0100.4Internet subscribers (per 100 people)19.926.825.8Personal computers (per 100 people)39.650.067.4Households with a television (%)928798UsageNumeuses (per 100 people)37.278.865.7QualityPopulation covered by mobile cellular network (%)999999Pixed broadband subscribers (% of total Internet subscribers)5.757.182.6International Internet bandwidth (bits per second per person)34717,22118,242AffordabilityPrice basket for residential fixed line (\$ a month)1.9.428.726.1Price basket for mobile service (\$ a month)1.8.61.4.414.6Internet service (\$ a month)1.8.61.4.414.6In	GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.9	3.0	2.4				
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Price basket for residential fixed line (\$ a month) 19.4 28.7 26.1 Price basket for mobile service (\$ a month) 11.5 13.0 Price basket for Internet service (\$ a month) 23.6 22.8 Price of call to United States (\$ for 3 minutes) 1.07 1.80 0.81 Trade 115.2 15.2 167 ICT goods exports (% of total goods exports) 25.4 18.9 15.2 ICT goods imports (% of total goods imports) 18.6 14.4 14.6 ICT service exports (% of total service exports) 5.4 8.4 7.0 Applications 5.2 6.7 ICT expenditure (% of GDP) 5.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.63 0.60	International Internet bandwidth (bits per second per persor	ı) 347	17,221	18,242				
Price basket for mobile service (\$ a month) 11.5 13.0 Price basket for Internet service (\$ a month) 23.6 22.8 Price of call to United States (\$ for 3 minutes) 1.07 1.80 0.81 Trade 11.5 13.0 ICT goods exports (% of total goods exports) 25.4 18.9 15.2 ICT goods imports (% of total goods imports) 18.6 14.4 14.6 ICT service exports (% of total service exports) 5.4 8.4 7.0 Applications 5.2 6.7 ICT expenditure (% of GDP) 5.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.63 0.60	Affordability							
Price basket for mobile service (\$ a month) 11.5 13.0 Price basket for Internet service (\$ a month) 23.6 22.8 Price of call to United States (\$ for 3 minutes) 1.07 1.80 0.81 Trade ICT goods exports (% of total goods exports) 25.4 18.9 15.2 ICT goods imports (% of total goods imports) 18.6 14.4 14.6 ICT service exports (% of total service exports) 5.4 8.4 7.0 Applications ICT expenditure (% of GDP) 5.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.63 0.60	Price basket for residential fixed line (\$ a month)	19.4	28.7	26.1				
Price of call to United States (\$ for 3 minutes) 1.07 1.80 0.81 Trade ICT goods exports (% of total goods exports) 25.4 18.9 15.2 ICT goods imports (% of total goods imports) 18.6 14.4 14.6 ICT service exports (% of total service exports) 5.4 8.4 7.0 Applications ICT expenditure (% of GDP) 5.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.63 0.60			11.5	13.0				
Trade 25.4 18.9 15.2 ICT goods exports (% of total goods exports) 18.6 14.4 14.6 ICT service exports (% of total service exports) 5.4 8.4 7.0 Applications ICT expenditure (% of GDP) 5.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.63 0.60	Price basket for Internet service (\$ a month)		23.6	22.8				
ICT goods exports (% of total goods exports) 25.4 18.9 15.2 ICT goods imports (% of total goods imports) 18.6 14.4 14.6 ICT service exports (% of total service exports) 5.4 8.4 7.0 Applications ICT expenditure (% of GDP) 5.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.63 0.60	Price of call to United States (\$ for 3 minutes)	1.07	1.80	0.81				
ICT goods imports (% of total goods imports) 18.6 14.4 14.6 ICT service exports (% of total service exports) 5.4 8.4 7.0 Applications 5.2 6.7 ICT expenditure (% of GDP) 5.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.63 0.60	Trade							
ICT goods imports (% of total goods imports) 18.6 14.4 14.6 ICT service exports (% of total service exports) 5.4 8.4 7.0 Applications 5.2 6.7 ICT expenditure (% of GDP) 5.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.63 0.60	ICT goods exports (% of total goods exports)	25.4	18.9	15.2				
ICT service exports (% of total service exports) 5.4 8.4 7.0 Applications 5.2 6.7 ICT expenditure (% of GDP) 5.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.63 0.60		18.6	14.4	14.6				
Applications 5.2 6.7 ICT expenditure (% of GDP) 5.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.63 0.60		5.4	8.4	7.0				
ICT expenditure (% of GDP) 5.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.63 0.60								
E-gov't Web measure index (0-1, 1=highest presence) 0.63 0.60			5.2	6.7				
			684.2	662.6				

France

High income

2000Economic and social contextPopulation (millions)59Urban population (% of total)76GNI per capita, World Bank Atlas method (\$)24,450GDP growth, 1995-2000 and 2000-07 (avg. annual %)2.9Adult literacy rate (% ages 15 and older)Gross primary, secondary, and tertiary enrollment (%)92StructureSeparate telecommunications regulatorLevel of competition (competition, partial comp., monopoly)International long distance serviceCMobile telephone servicePInternet serviceCEfficiency and capacity26.5Felecommunications revenue (% of GDP)2.1Mobile and fixed-line subscribers per employee408Telecommunications investment (% of revenue)26.5Performance22Access7100 people)57.7Mobile cellular subscriptions (per 100 people)9.2Personal computers (per 100 people)9.4Households with a television (%)94Usage14.4Mobile telephone usage (minutes per person per month)14.4Mobile telephone usage (minutes per user per month)14.4Mobile telephone usage (minutes per user per month)14.4Mobile telephone usage (minutes per user per son)1.148Affordability99Fixed broadband subscribers (% of total Internet subscribers)3.6International Internet bandwidth (bits per second per person)1.148Affordability74<	Country data	
Population (millions)59Urban population (% of total)76GNI per capita, World Bank Atlas method (\$)24,450GDP growth, 1995-2000 and 2000-07 (avg. annual %)2.9Adult literacy rate (% ages 15 and older)Gross primary, secondary, and tertiary enrollment (%)92StructureSeparate telecommunications regulatorSeparate telecommunications regulatorYesStatus of main fixed-line telephone operatorMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceInternational long distance serviceCMobile telephone servicePInternet serviceCFfficiency and capacityTelecommunications revenue (% of GDP)2.1Mobile and fixed-line subscribers per employee408Telecommunications investment (% of revenue)26.5PerformanceAccessTelephone lines (per 100 people)57.7Mobile cellular subscriptions (per 100 people)9.2Personal computers (per 100 people)9.4UsageInternational voice traffic (minutes per person per month)14.4Mobile telephone usage (minutes per user per month)14.4Quality99Pixed broadband subscribers (% of total Internet subscribers)3.6International Internet bandwidth (bits per second per person)1,148AffordabilityPrice basket for mobile service (\$ a month)1.4Price basket for internet service (\$ a month)	2007	group 2007
Urban population (% of total)76GNI per capita, World Bank Atlas method (\$)24,450GDP growth, 1995-2000 and 2000-07 (avg. annual %)2.9Adult literacy rate (% ages 15 and older)Gross primary, secondary, and tertiary enrollment (%)92StructureSeparate telecommunications regulatorYesStatus of main fixed-line telephone operatorMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCMobile telephone servicePInternet serviceCFfficiency and capacityTelecommunications revenue (% of GDP)2.1Mobile and fixed-line subscribers per employee408Telecommunications investment (% of revenue)26.5PerformanceAccessTelephone lines (per 100 people)9.2Personal computers (per 100 people)9.4UsageInternational voice traffic (minutes per person per month)14.4Mobile telephone usage (minutes per user per month)14.4Mobile telephone usage (minutes per user per month)14.4Mobile telephone usage (minutes per user per month)14.4Mobile telephone usage (% of total Internet subscribers)3.6International luternet bandwidth (bits per second per person)1.148AffordabilityPrice basket for residential fixed line (\$ a month)18.4Price basket for internet service (\$ a month)		
GNI per capita, World Bank Atlas method (\$)24,450GDP growth, 1995-2000 and 2000-07 (avg. annual %)2.9Adult literacy rate (% ages 15 and older)Gross primary, secondary, and tertiary enrollment (%)92StructureSeparate telecommunications regulatorYesStatus of main fixed-line telephone operatorMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCMobile telephone servicePInternet serviceCEfficiency and capacityCTelecommunications revenue (% of GDP)2.1Mobile and fixed-line subscribers per employee408Telecommunications investment (% of revenue)26.5PerformanceAccessAccessCTelephone lines (per 100 people)57.7Mobile cellular subscriptions (per 100 people)9.2Personal computers (per 100 people)9.2Personal computers (per 100 people)9.4Households with a television (%)94Usage14.4Quality99Population covered by mobile cellular network (%)99Fixed broadband subscribers (% of total Internet subscribers)3.6International Internet bandwidth (bits per second per person)1,148AffordabilityPrice basket for residential fixed line (\$ a month)18.4Price basket for mobile service (\$ a month)	62	1,056
GDP growth, 1995-2000 and 2000-07 (avg. annual %)2.9Adult literacy rate (% ages 15 and older)Gross primary, secondary, and tertiary enrollment (%)92StructureSeparate telecommunications regulatorYesStatus of main fixed-line telephone operatorMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCMobile telephone servicePInternet serviceCEfficiency and capacityCTelecommunications revenue (% of GDP)2.1Mobile and fixed-line subscribers per employee408Telecommunications investment (% of revenue)26.5PerformanceAccessAccessTelephone lines (per 100 people)57.7Mobile cellular subscriptions (per 100 people)9.2Personal computers (per 100 people)9.4Households with a television (%)94UsageInternet suers (per 100 people)14.4Mobile telephone usage (minutes per person per month)14.4Mobile telephone usage (minutes per user per month)14.4Quality995.6Population covered by mobile cellular network (%)99Fixed broadband subscribers (% of total Internet subscribers)3.6International Internet bandwidth (bits per second per person)1,148AffordabilityPrice basket for residential fixed line (\$ a month)18.4Price basket for mobile service (\$ a month)Price basket for Internet service (\$ a month)	77	78
Adult literacy rate (% ages 15 and older) Gross primary, secondary, and tertiary enrollment (%) 92 Structure Separate telecommunications regulator Yes Status of main fixed-line telephone operator Mixed Level of competition (competition, partial comp., monopoly) International long distance service C Mobile telephone service P Internet service C Efficiency and capacity Telecommunications revenue (% of GDP) 2.1 Mobile and fixed-line subscribers per employee 408 Telecommunications investment (% of revenue) 26.5 Performance Access Telephone lines (per 100 people) 57.7 Mobile cellular subscriptions (per 100 people) 49.3 Internet subscribers (per 100 people) 90.4 Households with a television (%) 94 Usage International voice traffic (minutes per person per month) 14.4 Mobile telephone usage (minutes per user per month) 14.4 Quality 99 5.6 Price bioadband subscribers (% of total Internet subscribers) 3.6 Internet users (per 100 people) 14.14 Quality 99 <td>38,810</td> <td>37,572</td>	38,810	37,572
Gross primary, secondary, and tertiary enrollment (%) 92 Structure Separate telecommunications regulator Yes Status of main fixed-line telephone operator Mixed Level of competition (competition, partial comp., monopoly) International long distance service C Mobile telephone service P Internet service C Mobile telephone service P Internet service C Efficiency and capacity Telecommunications revenue (% of GDP) 2.1 Mobile and fixed-line subscribers per employee 408 Telecommunications investment (% of revenue) 26.5 Performance Access Telephone lines (per 100 people) 57.7 Mobile cellular subscriptions (per 100 people) 9.2 Internet subscribers (per 100 people) 9.2 Personal computers (per 100 people) 9.4 Households with a television (%) 94 Usage 94 Internet users (per 100 people) 14.4 Quality 99 Population covered by mobile cellular network (%) 99 Fixed broadband subscribers (% of total Internet subscribers) 3.6 Internet us	1.8	2.4
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Separate telecommunications regulator Yes Status of main fixed-line telephone operator Mixed Level of competition (competition, partial comp., monopoly) International long distance service C Mobile telephone service P Internet service C Efficiency and capacity Telecommunications revenue (% of GDP) 2.1 Mobile and fixed-line subscribers per employee 408 Telecommunications investment (% of revenue) 26.5 Performance Access Telephone lines (per 100 people) 57.7 Mobile cellular subscriptions (per 100 people) 9.2 Personal computers (per 100 people) 9.2 Personal computers (per 100 people) 9.2 Personal computers (per 100 people) 9.4 Usage International voice traffic (minutes per person per month) 14.4 Mobile telephone usage (minutes per user per month) 140 Internet users (per 100 people) 14.4 Quality 99 Population covered by mobile cellular network (%) 99 Fixed broadband subscribers (% of total Internet subscribers) 3.6 Internet users (per 100 people) 1.148 <	97	92
Status of main fixed-line telephone operator Mixed Level of competition (competition, partial comp., monopoly) International long distance service C Mobile telephone service P Internet service C Internet service C C Mobile telephone service P Internet service C Efficiency and capacity C C Telecommunications revenue (% of GDP) 2.1 Mobile and fixed-line subscribers per employee 408 Telecommunications investment (% of revenue) 26.5 Performance Access Telephone lines (per 100 people) 57.7 Mobile cellular subscriptions (per 100 people) 49.3 Internet subscribers (per 100 people) 9.2 Personal computers (per 100 people) 9.2 Personal computers (per 100 people) 9.4 Usage Usage International voice traffic (minutes per person per month) 14.4 Mobile telephone usage (minutes per user per month) 140 Internet users (per 100 people) 14.4 Quality Population covered by mobile cellular network (%) 99 Fixed broadband subscribers (% of total Internet subscribers) 3.6 I		
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Telecommunications investment (% of revenue) 26.5 Performance Access Telephone lines (per 100 people) 57.7 Mobile cellular subscriptions (per 100 people) 49.3 Internet subscribers (per 100 people) 9.2 Personal computers (per 100 people) 30.4 Households with a television (%) 94 Usage 114.4 Mobile telephone usage (minutes per person per month) 14.4 Mobile telephone usage (minutes per user per month) 140 Internet users (per 100 people) 14.4 Quality 99 Fixed broadband subscribers (% of total Internet subscribers) 3.6 International Internet bandwidth (bits per second per person) 1,148 Affordability Price basket for residential fixed line (\$ a month) 18.4 Price basket for mobile service (\$ a month)	2.2	3.1
Performance Access Telephone lines (per 100 people) 57.7 Mobile cellular subscriptions (per 100 people) 49.3 Internet subscribers (per 100 people) 9.2 Personal computers (per 100 people) 30.4 Households with a television (%) 94 Usage 1 International voice traffic (minutes per person per month) 14.4 Mobile telephone usage (minutes per user per month) 140 Internet users (per 100 people) 14.4 Quality 99 Fixed broadband subscribers (% of total Internet subscribers) 3.6 International Internet bandwidth (bits per second per person) 1,148 Affordability 7 Price basket for residential fixed line (\$ a month) 18.4 Price basket for mobile service (\$ a month)	695	747
AccessTelephone lines (per 100 people)57.7Mobile cellular subscriptions (per 100 people)49.3Internet subscribers (per 100 people)9.2Personal computers (per 100 people)30.4Households with a television (%)94Usage14.4Mobile telephone usage (minutes per person per month)14.0Internet users (per 100 people)14.4Mobile telephone usage (minutes per user per month)14.0International voice traffic (minutes per user per month)14.0Internet users (per 100 people)14.4Quality99Fixed broadband subscribers (% of total Internet subscribers)3.6International Internet bandwidth (bits per second per person)14.18Affordability99Price basket for residential fixed line (\$ a month)18.4Price basket for mobile service (\$ a month)	14.0	14.3
Telephone lines (per 100 people)57.7Mobile cellular subscriptions (per 100 people)49.3Internet subscribers (per 100 people)9.2Personal computers (per 100 people)30.4Households with a television (%)94Usage14.4Mobile telephone usage (minutes per person per month)140Internet users (per 100 people)14.4Quality99Fixed broadband subscribers (% of total Internet subscribers)3.6International Internet bandwidth (bits per second per person)1,148Affordability99Price basket for residential fixed line (\$ a month)18.4Price basket for Internet service (\$ a month)		
Mobile cellular subscriptions (per 100 people)49.3Internet subscribers (per 100 people)9.2Personal computers (per 100 people)30.4Households with a television (%)94Usage14.4Mobile telephone usage (minutes per person per month)140International voice traffic (minutes per user per month)140International noternet by mobile cellular network (%)99Fixed broadband subscribers (% of total Internet subscribers)3.6International Internet bandwidth (bits per second per person)1,148Affordability18.4Price basket for residential fixed line (\$ a month)18.4Price basket for mobile service (\$ a month)		
Internet subscribers (per 100 people)9.2Personal computers (per 100 people)30.4Households with a television (%)94Usage14.4Mobile telephone usage (minutes per person per month)140International voice traffic (minutes per user per month)140Internet users (per 100 people)14.4Quality99Fixed broadband subscribers (% of total Internet subscribers)3.6International Internet bandwidth (bits per second per person)1,148Affordability18.4Price basket for residential fixed line (\$ a month)18.4Price basket for Internet service (\$ a month)	56.4	
Personal computers (per 100 people) 30.4 Households with a television (%) 94 Usage International voice traffic (minutes per person per month) 14.4 Mobile telephone usage (minutes per user per month) 140 Internet users (per 100 people) 14.4 Quality 99 Fixed broadband subscribers (% of total Internet subscribers) 3.6 International Internet bandwidth (bits per second per person) 1,148 Affordability 91 Price basket for residential fixed line (\$ a month) 18.4 Price basket for Internet service (\$ a month)	89.7	
Households with a television (%)94Usage14.4International voice traffic (minutes per person per month)14.0Internet users (per 100 people)14.4Quality99Fixed broadband subscribers (% of total Internet subscribers)3.6International Internet bandwidth (bits per second per person)14.148Affordability91Price basket for residential fixed line (\$ a month)18.4Price basket for Internet service (\$ a month)	27.6	
Usage 14.4 International voice traffic (minutes per person per month) 14.4 Mobile telephone usage (minutes per user per month) 140 Internet users (per 100 people) 14.4 Quality 99 Fixed broadband subscribers (% of total Internet subscribers) 3.6 International Internet bandwidth (bits per second per person) 1.148 Affordability Price basket for residential fixed line (\$ a month) 18.4 Price basket for Internet service (\$ a month)	65.2	
International voice traffic (minutes per person per month) 14.4 Mobile telephone usage (minutes per user per month) 140 Internet users (per 100 people) 14.4 Quality 99 Fixed broadband subscribers (% of total Internet subscribers) 3.6 International Internet bandwidth (bits per second per person) 1,148 Affordability 99 Price basket for residential fixed line (\$ a month) 18.4 Price basket for nobile service (\$ a month) Price basket for Internet service (\$ a month)	97	98
Mobile telephone usage (minutes per user per month) 140 Internet users (per 100 people) 14.4 Quality Population covered by mobile cellular network (%) 99 Fixed broadband subscribers (% of total Internet subscribers) 3.6 International Internet bandwidth (bits per second per person) 1,148 Affordability Price basket for residential fixed line (\$ a month) 18.4 Price basket for mobile service (\$ a month)	20.2	14.0
Internet users (per 100 people) 14.4 Quality Population covered by mobile cellular network (%) 99 Fixed broadband subscribers (% of total Internet subscribers) 3.6 International Internet bandwidth (bits per second per person) 1,148 Affordability Price basket for residential fixed line (\$ a month) 18.4 Price basket for mobile service (\$ a month) 18.4 Price basket for Internet service (\$ a month)	20.3	
Quality 99 Fixed broadband subscribers (% of total Internet subscribers) 3.6 International Internet bandwidth (bits per second per person) 1,148 Affordability 11.48 Price basket for residential fixed line (\$ a month) 18.4 Price basket for mobile service (\$ a month) 18.4 Price basket for Internet service (\$ a month)	198	
Population covered by mobile cellular network (%) 99 Fixed broadband subscribers (% of total Internet subscribers) 3.6 International Internet bandwidth (bits per second per person) 1,148 Affordability Price basket for residential fixed line (\$ a month) 18.4 Price basket for mobile service (\$ a month) Price basket for Internet service (\$ a month)	51.2	65.7
Fixed broadband subscribers (% of total Internet subscribers) 3.6 International Internet bandwidth (bits per second per person) 1,148 Affordability 1 Price basket for residential fixed line (\$ a month) 18.4 Price basket for mobile service (\$ a month) Price basket for Internet service (\$ a month)	99	99
International Internet bandwidth (bits per second per person) 1,148 Affordability Price basket for residential fixed line (\$ a month) 18.4 Price basket for mobile service (\$ a month) Price basket for Internet service (\$ a month)	99	
Affordability Price basket for residential fixed line (\$ a month) 18.4 Price basket for mobile service (\$ a month) Price basket for Internet service (\$ a month)	29,466	
Price basket for residential fixed line (\$ a month) 18.4 Price basket for mobile service (\$ a month) Price basket for Internet service (\$ a month)	29,400	10,242
Price basket for mobile service (\$ a month)Price basket for Internet service (\$ a month)	29.0	26.1
Price basket for Internet service (\$ a month)	23.3	
	13.7	
Price of call to United States (\$ for 3 minutes) 0.82	0.84	
Trade	0.04	0.01
ICT goods exports (% of total goods exports) 12.1	8.0	15.2
ICT goods imports (% of total goods imports) 13.0	9.8	
ICT service exports (% of total service exports) 2.6	4.1	
Applications		
ICT expenditure (% of GDP)	5.7	6.7
E-gov't Web measure index (0-1, 1=highest presence)	0.83	•
Secure Internet servers (per million people) 27.7	171.7	

French Polynesia

High income

	Country	Country data		Country data	Country data	High- income group
	2000	2007	2007			
Economic and social context						
Population (millions)	0.24	0.26	1,056			
Urban population (% of total)	52	52	78			
GNI per capita, World Bank Atlas method (\$)	16,070		37,572			
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.5		2.4			
Adult literacy rate (% ages 15 and older)			99			
Gross primary, secondary, and tertiary enrollment (%)			92			
Structure						
Separate telecommunications regulator		No				
Status of main fixed-line telephone operator						
Level of competition (competition, partial comp., monopoly)						
International long distance service						
Mobile telephone service						
Internet service						
Efficiency and capacity						
Telecommunications revenue (% of GDP)	3.6		3.1			
Mobile and fixed-line subscribers per employee	105		747			
Telecommunications investment (% of revenue)			14.3			
Performance						
Access						
Telephone lines (per 100 people)	22.7	20.7	50.0			
Mobile cellular subscriptions (per 100 people)	16.9	66.6	100.4			
Internet subscribers (per 100 people)	3.0	9.6	25.8			
Personal computers (per 100 people)	6.4	11.0	67.4			
Households with a television (%)	92	95	98			
Usage						
International voice traffic (minutes per person per month)			14.0			
Mobile telephone usage (minutes per user per month)			353			
Internet users (per 100 people)	6.4	28.6	65.7			
Quality Population covered by mobile cellular network (%)	70	97	99			
Fixed broadband subscribers (% of total Internet subscribers		92.9	82.6			
International Internet bandwidth (bits per second per persor	·	857	18,242			
Affordability	., 02		10,212			
Price basket for residential fixed line (\$ a month)	37.3	44.4	26.1			
Price basket for mobile service (\$ a month)		37.5	13.0			
Price basket for Internet service (\$ a month)		69.3	22.8			
Price of call to United States (\$ for 3 minutes)	3.67		0.81			
Trade	5.07		0.01			
ICT goods exports (% of total goods exports)	1.1	0.7	15.2			
ICT goods imports (% of total goods imports)	7.3	6.1	13.2			
	0.3	1.7	7.0			
ICT service exports (% of total service exports)	0.3	1.7	1.0			
Applications			6.7			
ICT expenditure (% of GDP)			0.60			
E-gov't Web measure index (0–1, 1=highest presence)	 16 7	62.0				
Secure Internet servers (per million people)	16.7	63.9	662.6			

Gabon

Sub-Saharan Africa	Upper	middle	income
	Countr	y data	Upper middle- income group
_	2000	2007	2007
Economic and social context			
Population (millions)	1	1	824
Urban population (% of total)	80	85	
GNI per capita, World Bank Atlas method (\$)	3,220	7,020	7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	0.3	2.0	,
Adult literacy rate (% ages 15 and older)		86	94
Gross primary, secondary, and tertiary enrollment (%)	70		82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	C	
Mobile telephone service	Р	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.1	2.0	3.3
Mobile and fixed-line subscribers per employee	150	244	
Telecommunications investment (% of revenue)	41.8	12.4	
Performance			
Access			
Telephone lines (per 100 people)	3.3	2.0	
Mobile cellular subscriptions (per 100 people)	10.1	87.9	
Internet subscribers (per 100 people)	0.4 1.0	0.8 3.6	
Personal computers (per 100 people) Households with a television (%)	1.0 51	3.0 58	
Usage	51	50	52
International voice traffic (minutes per person per month)	3.9	6.2	
Mobile telephone usage (minutes per user per month)	0.0	0.2	10
Internet users (per 100 people)	1.3	6.2	
Quality			
Population covered by mobile cellular network (%)	13	79	95
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	18.3	47.8
International Internet bandwidth (bits per second per person	ı) O	150	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	23.4	32.4	10.0
Price basket for mobile service (\$ a month)		13.7	10.9
Price basket for Internet service (\$ a month)		39.2	16.4
Price of call to United States (\$ for 3 minutes) Trade	14.12	2.77	1.55
ICT goods exports (% of total goods exports)	0.1	0.1	13.5
ICT goods imports (% of total goods imports)	7.9	6.6	
ICT service exports (% of total service exports)	0.6	0.0	
Applications			
ICT expenditure (% of GDP)			5.2
E-gov't Web measure index (0-1, 1=highest presence)		0.08	
Secure Internet convers (per million people)	0.0	1 1	26.2

Secure Internet servers (per million people)

26.2

4.4

0.8

Gambia, The

Sub-Saharan Africa

Low income

	Country	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	1	2	1,296
Urban population (% of total)	49	56	32
GNI per capita, World Bank Atlas method (\$)	310	320	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.6	4.9	5.6
Adult literacy rate (% ages 15 and older)			64
Gross primary, secondary, and tertiary enrollment (%)	45	50	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Р	
Mobile telephone service	М	С	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.4		3.3
Mobile and fixed-line subscribers per employee	41	481	301
Telecommunications investment (% of revenue)	23.5		
Performance Access			
Telephone lines (per 100 people)	2.4	4.5	4.0
Mobile cellular subscriptions (per 100 people)	0.4	46.9	21.5
Internet subscribers (per 100 people)	0.3	0.2	0.8
Personal computers (per 100 people)	1.1	3.3	1.5
Households with a television (%)	12	12	16
Usage			
International voice traffic (minutes per person per month)			
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.9	5.9	5.2
Quality			
Population covered by mobile cellular network (%)	20	85	54
Fixed broadband subscribers (% of total Internet subscribers	6) 0.0	7.6	3.4
International Internet bandwidth (bits per second per person	ı) O	36	26
Affordability			
Price basket for residential fixed line (\$ a month)	3.9	4.0	5.7
Price basket for mobile service (\$ a month)		6.9	11.2
Price basket for Internet service (\$ a month)		17.8	29.2
Price of call to United States (\$ for 3 minutes)	5.39	1.81	2.00
Trade			
ICT goods exports (% of total goods exports)	0.5	0.2	1.4
ICT goods imports (% of total goods imports)	3.3	4.6	6.7
ICT service exports (% of total service exports)			
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0-1, 1=highest presence)		0.17	0.11
Secure Internet servers (per million people)		1.7	0.5



Europe & Central Asia

Lower middle income

	Country data		Lower middle- income
	2000	2007	group 2007
Economic and social context			
Population (millions)	5	4	3,435
Urban population (% of total)	53	53	42
GNI per capita, World Bank Atlas method (\$)	700	2,120	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.6	8.3	8.0
Adult literacy rate (% ages 15 and older)			83
Gross primary, secondary, and tertiary enrollment (%)	74	76	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator		Private	
Level of competition (competition, partial comp., monopoly)		
International long distance service	Р	С	
Mobile telephone service	С	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	6.5	3.1
Mobile and fixed-line subscribers per employee	69	355	624
Telecommunications investment (% of revenue)	65.4	30.9	25.3
Performance			
Access			
Telephone lines (per 100 people)	10.8	12.6	
Mobile cellular subscriptions (per 100 people)	4.1	59.1	
Internet subscribers (per 100 people)	0.1	6.4	
Personal computers (per 100 people)	2.4	5.4	
Households with a television (%)	81	89	79
Usage			
International voice traffic (minutes per person per month)	2.4	4.8	
Mobile telephone usage (minutes per user per month)		87	
Internet users (per 100 people)	0.5	8.2	12.4
Quality Population covered by mobile cellular network (%)	79	96	80
Fixed broadband subscribers (% of total Internet subscriber		16.6	
International Internet bandwidth (bits per second per perso	,	745	
Affordability	11) Z	745	199
Price basket for residential fixed line (\$ a month)	4.2	9.7	7.2
Price basket for mobile service (\$ a month)		44.1	
Price basket for Internet service (\$ a month)		9.2	
Price of call to United States (\$ for 3 minutes)	2.88		0.00
Trade	2.00		2.00
ICT goods exports (% of total goods exports)	0.2	0.4	20.6
ICT goods imports (% of total goods imports)	7.3	7.1	
ICT service exports (% of total service exports)		1.5	
Applications		1.0	10.0
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0–1, 1=highest presence)		0.35	0.33

Germany

High income

2000 2007 2007 Economic and social context Population (millions) 82 82 1,056 Urban population (% of total) 73 74 78 GNI per capita, World Bank Atlas method (\$) 25,510 38,990 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 2.0 1.0 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 89 88 92 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service P C C Internet service C C C Mixed Hevel of computition (sometrial comp. monopoly) Internet service A J Internet service C C C C Mixed Hevel of compatition (sometrial comp. monopoly) Internet service A J Telecommunications revenue (% of GDP)		Country	Country data		Country data		Country data	High- income group
Population (millions) 82 82 1,056 Urban population (% of total) 73 74 78 GNI per capita, World Bank Atlas method (\$) 25,510 38,990 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 2.0 1.0 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 89 88 92 Structure Structure Structure Keed Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service P C Internet service C C C C Mobile telephone service P C Internet service C C Telecommunications revenue (% of GDP) 2.7 2.6 3.1 Mobile and fixed-line subscribers per employee 409 703 747 Telecommunications investment (% of revenue) 17.4 9.8 14.3 Telephone lines (per 100 people) 58.6 118.1 100.4		2000	2007					
Urban population (% of total) 73 74 78 GNI per capita, World Bank Atlas method (\$) 25,510 38,990 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 2.0 1.0 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 89 88 92 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service P C Internet service C C C Mobile telephone service P C Elecommunications revenue (% of GDP) 2.7 2.6 3.1 Mobile and fixed-line subscribers per employee 409 703 747 Telecommunications investment (% of revenue) 17.4 9.8 14.3 Performance Access 100.4 101.4 15.5 50.0 Mobile cellular subscriptions (per 100 people) 53.6 65	Economic and social context							
GNI per capita, World Bank Atlas method (\$) 25,510 38,990 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 2.0 1.0 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 89 88 92 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service C C Internet service C C C Mobile telephone service P C Internet service C C C C Mobile cellular subscribers per employee 409 703 747 Telecommunications investment (% of revenue) 17.4 9.8 14.3 Performance Access 1100.4 165.3 50.0 Mobile cellular subscriptions (per 100 people) 58.6 118.1 100.4 Internet subscribers (per 100 people) 30.2 72.3 <t< td=""><td>Population (millions)</td><td>82</td><td>82</td><td>1,056</td></t<>	Population (millions)	82	82	1,056				
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 2.0 1.0 2.4 Adult literacy rate (% ages 15 and older) . .99 Gross primary, secondary, and tertiary enroliment (%) 89 88 92 Structure Separate telecommunications regulator Yes Yes Yes Status of main fixed-line telephone operator Mixed Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service P C Internet service C C C C Telecommunications revenue (% of GDP) 2.7 2.6 3.1 Mobile and fixed-line subscribers per employee 409 703 747 Telecommunications investment (% of revenue) 17.4 9.8 14.3 Performance Access Telephone lines (per 100 people) 58.6 118.1 100.4 Internet subscriptions (per 100 people) 15.8 24.3 25.8 Personal computers (per 100 people) 33.6 65.6 67.4 Households with a television (%) 97 9.4 <td>Urban population (% of total)</td> <td>73</td> <td>74</td> <td>78</td>	Urban population (% of total)	73	74	78				
Aduit literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 89 88 92 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service C C Internet service C C C C Efficiency and capacity Telecommunications revenue (% of GDP) 2.7 2.6 3.1 Mobile and fixed-line subscribers per employee 409 703 747 Telecommunications investment (% of revenue) 17.4 9.8 14.3 Performance Access E 110.0 4 Internet subscribers (per 100 people) 58.6 118.1 100.4 Internet subscribers (per 100 people) 58.6 67.6 67.4 Households with a television (%) 97 94 98 Usage Internet subscribers (per 100 people) 30.2 72.3 65.7 Quality Population covered by mobile cellular net	GNI per capita, World Bank Atlas method (\$)	25,510	38,990	37,572				
Gross primary, secondary, and tertiary enrollment (%)898892StructureSeparate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorMixedMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCInternet servicePCCCEfficiency and capacityTelecommunications revenue (% of GDP)2.72.63.1Mobile and fixed-line subscribers per employee409703747Telecommunications investment (% of revenue)17.49.814.3PerformanceAccessTelephone lines (per 100 people)58.6118.1100.4Internet subscribers (per 100 people)15.824.325.825.8Personal computers (per 100 people)33.665.667.4Households with a television (%)97949898Usage14.0Mobile telephone usage (minutes per person per month)7014.0Mobile telephone usage (minutes per user per month)7014.035310.72.62.618.24Population covered by mobile cellular network (%)99100999910099Fixed broadband subscribers (% of total Internet subscribers)2.054.082.666.113.0Internet users (per 100 people)3.36.52.6.113.012.314.0Mobile telephone usage (minutes per user per month)7014.03531	GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.0	1.0	2.4				
Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service C C International long distance service P C C C Efficiency and capacity Telecommunications revenue (% of GDP) 2.7 2.6 3.1 Mobile and fixed-line subscribers per employee 409 703 747 Telecommunications investment (% of revenue) 17.4 9.8 14.3 Performance Access Telephone lines (per 100 people) 61.1 65.3 50.0 Mobile cellular subscribions (per 100 people) 58.6 118.1 100.4 Internet subscribers (per 100 people) 33.6 65.6 67.4 Households with a television (%) 97 94 98 Usage International voice traffic (minutes per person per month) 15.9 14.0 Mobile telephone usage (minutes per user per month) 70 140 353 11844 Internet users (per 100 people) 30.2 72.3<	Adult literacy rate (% ages 15 and older)			99				
Separate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorMixedMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCMobile telephone servicePCInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)2.72.63.1Mobile and fixed-line subscribers per employee409703747Telecommunications investment (% of revenue)17.49.814.3PerformanceAccessTelephone lines (per 100 people)61.165.350.0Mobile cellular subscriptions (per 100 people)15.824.325.8Personal computers (per 100 people)33.665.667.4Households with a television (%)979498UsageUsage14.0353Internet users (per 100 people)30.272.365.7QualityPopulation covered by mobile cellular network (%)9910099Fixed broadband subscribers (% of total Internet subscribers)2.054.082.6International Internet bandwidth (bits per second per person)84825,65418.242AfforabilityPrice basket for Internet service (& a month)21.813.0Price basket for Internet service (& a month)21.813.0Price basket for Internet service (& a month)21.813.0Price basket for Internet service (& a	Gross primary, secondary, and tertiary enrollment (%)	89	88	92				
Separate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorMixedMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCMobile telephone servicePCInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)2.72.63.1Mobile and fixed-line subscribers per employee409703747Telecommunications investment (% of revenue)17.49.814.3PerformanceAccessTelephone lines (per 100 people)61.165.350.0Mobile cellular subscriptions (per 100 people)15.824.325.8Personal computers (per 100 people)33.665.667.4Households with a television (%)979498UsageUsage14.0353Internet users (per 100 people)30.272.365.7QualityPopulation covered by mobile cellular network (%)9910099Fixed broadband subscribers (% of total Internet subscribers)2.054.082.6International Internet bandwidth (bits per second per person)84825,65418.242AfforabilityPrice basket for Internet service (& a month)21.813.0Price basket for Internet service (& a month)21.813.0Price basket for Internet service (& a month)21.813.0Price basket for Internet service (& a	Structure							
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Performance Access Telephone lines (per 100 people) 61.1 65.3 50.0 Mobile cellular subscriptions (per 100 people) 58.6 118.1 100.4 Internet subscribers (per 100 people) 15.8 24.3 25.8 Personal computers (per 100 people) 33.6 65.6 67.4 Households with a television (%) 97 94 98 Usage International voice traffic (minutes per person per month) 15.9 14.0 Mobile telephone usage (minutes per user per month) 70 140 353 Internet users (per 100 people) 30.2 72.3 65.7 Quality Population covered by mobile cellular network (%) 99 100 99 Fixed broadband subscribers (% of total Internet subscribers) 2.0 54.0 82.6 International Internet bandwidth (bits per second per person) 848 25.654 18.242 Affordability Price basket for mobile service (\$ a month) 21.8 13.0 Price basket for Internet service (\$ a month) 20.5								
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Applications 6.2 6.7 ICT expenditure (% of GDP) 6.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.58 0.60		6.4	7.8	7.0				
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E-gov't Web measure index (0-1, 1=highest presence) 0.58 0.60			6.2	6.7				
			549.6	662.6				

Ghana

Sub-Saharan Africa

Low income

	Country	Country data		Country data	
	2000	2007	group 2007		
Economic and social context					
Population (millions)	20	23	1,296		
Urban population (% of total)	44	49	32		
GNI per capita, World Bank Atlas method (\$)	320	590	574		
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.4	5.5	5.6		
Adult literacy rate (% ages 15 and older)	58	65	64		
Gross primary, secondary, and tertiary enrollment (%)	46	53	51		
Structure					
Separate telecommunications regulator	Yes	Yes			
Status of main fixed-line telephone operator	Mixed	Public			
Level of competition (competition, partial comp., monopoly)		1 00110			
International long distance service	Р	Р			
Mobile telephone service	C	P			
Internet service	C	C			
Efficiency and capacity	1.8		3.3		
Telecommunications revenue (% of GDP)	1.8 91	 1.261	3.3 301		
Mobile and fixed-line subscribers per employee	29.5	, -			
Telecommunications investment (% of revenue)	29.5				
Performance					
Access					
Telephone lines (per 100 people)	1.1	1.6			
Mobile cellular subscriptions (per 100 people)	0.6	32.4	21.5		
Internet subscribers (per 100 people)	0.1	0.1	0.8		
Personal computers (per 100 people)	0.3	0.6			
Households with a television (%)	23	25	16		
Usage	0.0	0.1			
International voice traffic (minutes per person per month)	0.9	0.1			
Mobile telephone usage (minutes per user per month)	50	111			
Internet users (per 100 people)	0.1	3.8	5.2		
Quality Population covered by mobile cellular network (%)		68	54		
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	69.2			
International Internet bandwidth (bits per second per person	·	21	26		
Affordability	1) 0	21	20		
Price basket for residential fixed line (\$ a month)		6.3	5.7		
Price basket for mobile service (\$ a month)		5.7	11.2		
Price basket for Internet service (\$ a month)		9.4	29.2		
	 1.65	0.39			
Price of call to United States (\$ for 3 minutes) Trade	1.00	0.39	2.00		
ICT goods exports (% of total goods exports)		0.0	1.4		
ICT goods imports (% of total goods imports)		0.0 6.3	1.4 6.7		
ICT service exports (% of total service exports)					
Applications					
ICT expenditure (% of GDP)		 0.29	 0.11		
E-gov't Web measure index (0–1, 1=highest presence)	 0.0	0.29	0.11		
Secure Internet servers (per million people)	0.0	0.7	0.5		

Greece

High income

	Country	Country data	
_	2000	2007	group 2007
Economic and social context			
Population (millions)	11	11	1,056
Urban population (% of total)	60	61	78
GNI per capita, World Bank Atlas method (\$)	12,560	25,740	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.5	4.3	2.4
Adult literacy rate (% ages 15 and older)	96	97	99
Gross primary, secondary, and tertiary enrollment (%)	81	99	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	С	
Mobile telephone service	Р	Р	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	3.7	3.1
Mobile and fixed-line subscribers per employee	451	802	747
Telecommunications investment (% of revenue)	42.3	15.3	
Performance Access			
Telephone lines (per 100 people)	51.8	53.7	50.0
Mobile cellular subscriptions (per 100 people)	54.3	109.8	100.4
Internet subscribers (per 100 people)	2.5	10.0	25.8
Personal computers (per 100 people)	6.9	9.4	67.4
Households with a television (%)	97	100	
Usage			
International voice traffic (minutes per person per month)	12.8	15.1	14.0
Mobile telephone usage (minutes per user per month)	89	170	353
Internet users (per 100 people)	9.2	32.9	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	91.3	82.6
International Internet bandwidth (bits per second per persor	i) 51	4,537	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	10.2	21.1	26.1
Price basket for mobile service (\$ a month)		23.1	13.0
Price basket for Internet service (\$ a month)		16.5	22.8
Price of call to United States (\$ for 3 minutes)	0.69	1.09	0.81
Trade			
ICT goods exports (% of total goods exports)	4.4	3.3	15.2
ICT goods imports (% of total goods imports)	8.3	6.0	14.6
ICT service exports (% of total service exports)	1.8	1.6	
Applications			
ICT expenditure (% of GDP)		5.4	6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.41	0.60
Secure Internet servers (per million people)	10.6	61.2	662.6
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Greenland

High income

	Country	y data	High- income group
	2000	2000 2007	2007
Economic and social context			
Population (millions)	0.06	0.06	1,056
Urban population (% of total)	82	83	78
GNI per capita, World Bank Atlas method (\$)			37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)			2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)			92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International long distance service			
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.1
Mobile and fixed-line subscribers per employee	64		747
Telecommunications investment (% of revenue)			14.3
Performance			
Access			
Telephone lines (per 100 people)	46.6	40.8	50.0
Mobile cellular subscriptions (per 100 people)	26.9	117.0	100.4
Internet subscribers (per 100 people)	10.6		25.8
Personal computers (per 100 people)			67.4
Households with a television (%)			98
Usage			
International voice traffic (minutes per person per month)			14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	31.7	91.6	65.7
Quality			
Population covered by mobile cellular network (%)		90	99
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0		82.6
International Internet bandwidth (bits per second per person	ı) 107	1,762	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	31.0	36.3	26.1
Price basket for mobile service (\$ a month)		6.8	13.0
Price basket for Internet service (\$ a month)			22.8
Price of call to United States (\$ for 3 minutes)	2.41		0.81
Trade			
ICT goods exports (% of total goods exports)	0.1	0.6	15.2
ICT goods imports (% of total goods imports)	5.3	6.2	14.6
ICT service exports (% of total service exports)			7.0
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0–1, 1=highest presence)			0.60
Secure Internet servers (per million people)	35.5	299.6	662.6

Grenada

Latin America & Caribbean	Upper	e income	
	Country	v data	Upper middle- income
-	Country 2000	2007	group 2007
	2000	2007	2007
Economic and social context	0.10	0.11	004
Population (millions)	0.10 31	0.11 31	
Urban population (% of total)	3,710	3,920	
GNI per capita, <i>World Bank Atlas</i> method (\$) GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5,710 6.7	3,920	
Adult literacy rate (% ages 15 and older)	 79	 73	
Gross primary, secondary, and tertiary enrollment (%)	19	13	
Structure			
Separate telecommunications regulator		Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	М	С	
Internet service		Μ	
Efficiency and capacity			
Telecommunications revenue (% of GDP)		8.2	3.3
Mobile and fixed-line subscribers per employee	134		500
Telecommunications investment (% of revenue)			
Performance Access			
Telephone lines (per 100 people)	31.2	26.2	22.6
Mobile cellular subscriptions (per 100 people)	4.3	43.7	
Internet subscribers (per 100 people)	2.8	43.7	
Personal computers (per 100 people)	12.0	15.3	
Households with a television (%)	94	15.5	
Usage	54		52
International voice traffic (minutes per person per month)	53.7	52.7	
Mobile telephone usage (minutes per user per month)			137
Internet users (per 100 people)	4.1	21.8	26.6
Quality			
Population covered by mobile cellular network (%)	65		95
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	76.1	47.8
International Internet bandwidth (bits per second per person	n) 40	4,072	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	15.5	15.1	10.6
Price basket for mobile service (\$ a month)		11.6	10.9
Price basket for Internet service (\$ a month)		22.0	16.4
Price of call to United States (\$ for 3 minutes)	3.97		1.55
Trade			
ICT goods exports (% of total goods exports)	18.4	2.3	13.5
ICT goods imports (% of total goods imports)	6.8	6.2	16.2
ICT service exports (% of total service exports)	19.4	7.4	4.6
Applications			FO
ICT expenditure (% of GDP)			5.2
E-gov't Web measure index (0–1, 1=highest presence)		0.27	
Secure Internet servers (per million people)	49.4	66.3	26.2

Guam

High income

	Country	y data	High- income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.16	0.17	1,056
Urban population (% of total)	93	93	78
GNI per capita, World Bank Atlas method (\$)			37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)			2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)			92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International long distance service			
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.1
Mobile and fixed-line subscribers per employee	280		747
Telecommunications investment (% of revenue)			14.3
Performance			
Access			
Telephone lines (per 100 people)	47.9	40.2	
Mobile cellular subscriptions (per 100 people)	17.5	59.1	
Internet subscribers (per 100 people)			25.8
Personal computers (per 100 people)			67.4
Households with a television (%)	88		98
Usage			
International voice traffic (minutes per person per month)			14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	16.1	38.6	65.7
Quality			
Population covered by mobile cellular network (%)			99
Fixed broadband subscribers (% of total Internet subscribers	·		82.6
International Internet bandwidth (bits per second per persor	1)		18,242
Affordability			
Price basket for residential fixed line (\$ a month)		14.6	
Price basket for mobile service (\$ a month)		9.9	
Price basket for Internet service (\$ a month)			22.8
Price of call to United States (\$ for 3 minutes)			0.81
Trade			
ICT goods exports (% of total goods exports)			15.2
ICT goods imports (% of total goods imports)			14.6
ICT service exports (% of total service exports)			7.0
Applications			c =
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0–1, 1=highest presence)			0.60
Secure Internet servers (per million people)	38.1	142.5	662.6

Guatemala

Latin America & Caribbean	Lower	middle	income	
	Country	y data	Lower middle- income	
-	2000	2007	group 2007	
Formation and operiod contrast				
Economic and social context Population (millions)	11	10	2 4 2 5	
Urban population (% of total)	11 45	13 48	,	
	45 1,730	40 2,450		
GNI per capita, <i>World Bank Atlas</i> method (\$)	4.1	2,450		
GDP growth, 1995–2000 and 2000–07 (avg. annual %) Adult literacy rate (% ages 15 and older)	4.1	3.0 73		
Gross primary, secondary, and tertiary enrollment (%)	58	67		
Structure				
Separate telecommunications regulator	Yes	Yes		
Status of main fixed-line telephone operator	Private	Private		
Level of competition (competition, partial comp., monopoly)				
International long distance service	С	С		
Mobile telephone service	С	С		
Internet service	С	С		
Efficiency and capacity				
Telecommunications revenue (% of GDP)	2.2		3.1	
Mobile and fixed-line subscribers per employee	434		624	
Telecommunications investment (% of revenue)			25.3	
Performance				
Access				
Telephone lines (per 100 people)	6.0	10.4		
Mobile cellular subscriptions (per 100 people)	7.6	76.0		
Internet subscribers (per 100 people)				
Personal computers (per 100 people)	1.2	2.1		
Households with a television (%) Usage	39	50	79	
International voice traffic (minutes per person per month)				
Mobile telephone usage (minutes per user per month)			322	
Internet users (per 100 people)	0.7	10.1	12.4	
Quality				
Population covered by mobile cellular network (%)	54	76	80	
Fixed broadband subscribers (% of total Internet subscribers	s)		40.4	
International Internet bandwidth (bits per second per person	ı) 1	187	199	
Affordability				
Price basket for residential fixed line (\$ a month)	11.0	9.8	7.2	
Price basket for mobile service (\$ a month)		6.1	9.8	
Price basket for Internet service (\$ a month)		53.3	16.7	
Price of call to United States (\$ for 3 minutes)	0.76	1.21	2.08	
Trade				
ICT goods exports (% of total goods exports)	0.1	0.5	20.6	
ICT goods imports (% of total goods imports)	9.2	9.1	20.2	
ICT service exports (% of total service exports)	0.5	14.8	15.6	
Applications				
ICT expenditure (% of GDP)			6.5	
E-gov't Web measure index (0-1, 1=highest presence)		0.47	0.33	
Secure Internet servers (per million people)	1.0	8.0	1.8	

Guinea

Sub-Saharan Africa

Low income

	Country	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	8	9	1,296
Urban population (% of total)	31	34	32
GNI per capita, World Bank Atlas method (\$)	410	400	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.4	2.8	5.6
Adult literacy rate (% ages 15 and older)		29	64
Gross primary, secondary, and tertiary enrollment (%)	31	45	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly		iiiixea	
International long distance service	, М	Р	
Mobile telephone service	C	C	
Internet service	c	C	
	-		
Efficiency and capacity	0.0		2.2
Telecommunications revenue (% of GDP)	0.9		3.3
Mobile and fixed-line subscribers per employee	82		301
Telecommunications investment (% of revenue)	17.8		
Performance			
Access			
Telephone lines (per 100 people)	0.3	0.5	
Mobile cellular subscriptions (per 100 people)	0.5	21.3	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.4	0.5	1.5
Households with a television (%)	9	10	16
Usage			
International voice traffic (minutes per person per month)	0.4		
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.1	0.5	5.2
Quality			
Population covered by mobile cellular network (%)		80	54
Fixed broadband subscribers (% of total Internet subscriber	rs) 0.0	0.0	3.4
International Internet bandwidth (bits per second per perso	n) 0	0	26
Affordability			
Price basket for residential fixed line (\$ a month)	10.6		5.7
Price basket for mobile service (\$ a month)		3.8	11.2
Price basket for Internet service (\$ a month)		17.8	29.2
Price of call to United States (\$ for 3 minutes)	5.15		2.00
Trade			
ICT goods exports (% of total goods exports)	0.1		1.4
ICT goods imports (% of total goods imports)	1.6		6.7
ICT service exports (% of total service exports)	2.2		
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0-1, 1=highest presence)		0.07	0.11
Secure Internet servers (per million people)		0.1	0.5

Guinea-Bissau

Sub-Saharan Africa

Low income

Urban population (% of total) 30 30 32 GNI per capita, World Bank Attas method (\$) 160 200 574 GDP growth, 1995-2000 and 2000-07 (avg. annual %) -2.7 0.4 5.6 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Evel of competition (competition, partial comp., monopoly) Internet inset (computers (compatition) Mixed 180 Internet service C C C C 160 Elecommunications revenue (% of GDP) Telecommunications investment (% of revenue)		Country	Country data	
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Urban population (% of total) 30 30 32 GNI per capita, World Bank Attas method (\$) 160 200 574 GDP growth, 1995-2000 and 2000-07 (avg. annual %) -2.7 0.4 5.6 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Evel of competition (competition, partial comp., monopoly) Internet inset (computers (compatition) Mixed 180 Internet service C C C C 160 Elecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	Economic and social context			
GNI per capita, World Bank Atlas method (\$) 160 200 574 GDP growth, 1995-2000 and 2000-07 (avg. annual %) -2.7 0.4 5.6 Adult literacy rate (% ages 15 and older) 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Gross primary, secondary, and tertiary enrollment (%) 37 64 Structure Separate telecommunications regulator Yes Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) Internet service C C P Internet service C C Elecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Performance Access C	Population (millions)	1	2	1,296
GDP growth, 1995-2000 and 2000-07 (avg. annual %) -2.7 0.4 5.6 Adult literacy rate (% ages 15 and older) 64 Gross primary, secondary, and tertiary enrollment (%) 37 51 Structure Separate telecommunications regulator Yes Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition, partial comp., monopoly) International long distance service C P International long distance service C P Internet service C C C C C C Efficiency and capacity Telecommunications revenue (% of GDP) .3.3 Mobile and fixed-line subscribers per employee 46 301 Telecommunications investment (% of revenue) Performance Access C 20 17.5 21.5 Internet subscribers (per 100 people) 0.0 17.5 21.5 16 Usage Internet subscribers (per 100 people) 0.2 0.2 1.5 Households with a television (%) 20 <td>Urban population (% of total)</td> <td>30</td> <td>30</td> <td>32</td>	Urban population (% of total)	30	30	32
Adult literacy rate (% ages 15 and older) 64 Gross primary, secondary, and tertiary enrollment (%) 37 51 Structure Separate telecommunications regulator Yes Yes Yes Status of main fixed-line telephone operator Mixed Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M M International long distance service C P Internet service C C Efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) 0.8 0.3 4.0 Mobile cellular subscriptions (per 100 people) 0.0 17.5 21.5 Internet subscribers (per 100 people) 0.2 1.5 Internet subscriptions (per 100 people) 0.2 0.2 1.5 1.5 Internet subscriptions (per 100 people) 0.2 2.2	GNI per capita, World Bank Atlas method (\$)	160	200	574
Gross primary, secondary, and tertiary enrollment (%) 37 . 51 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M M Internet service C P Internet service C C Efficiency and capacity Telecommunications revenue (% of GDP) .3.3 Mobile and fixed-line subscribers per employee 46 Performance Access - Personal computers (per 100 people) 0.0 17.5 21.5 Households with a television (%) 20 31 16 Usage - Internet users (per 100 people) 0.2 0.2 1.5 Households with a television (%) 20 31 16 Usage Internet subscriptores (per 100 people) 0.2 2.2 5.2<	GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-2.7	0.4	5.6
Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition, competition, partial comp., monopoly) International long distance service M M International long distance service C P P Internet service C C C Efficiency and capacity Telecommunications revenue (% of GDP) .3.3 Mobile and fixed-line subscribers per employee 46 .301 Telecommunications investment (% of revenue) Performance Access C 2.1.5 Internet subscribers (per 100 people) 0.0 0.8 0.3 4.0 Mobile cellular subscriptions (per 100 people) 0.0 0.8 Personal computers (per 100 people) 0.0 0.8 Personal computers (per 100 people) 0.2 0.2 1.5 Households with a television (%) 20 31 16 Usage International voice traffic (minutes per person per month) <	Adult literacy rate (% ages 15 and older)			64
Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M M International long distance service C P International long distance service C P Internet service C C P Internet service C C Efficiency and capacity Telecommunications revenue (% of GDP) .3.3 Mobile and fixed-line subscribers per employee 46 Performance Access Telecommunications (per 100 people) 0.0 17.5 21.5 Internet subscribers (per 100 people) 0.0 17.5 21.5 Internet subscribers (per 100 people) 0.2 0.2 1.6 Households with a television (%) 20 31 16 Usage Internet users (per 100 people) 0.2 2.2 2.5 2 Quality Population covered by mobile cellular network (%) 65 54 Fixed broadband subscribers (% of total Internet subscribers) 0.0	Gross primary, secondary, and tertiary enrollment (%)	37		51
Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M M Mobile telephone service C P Internet service C P Efficiency and capacity	Structure			
Level of competition (competition, partial comp., monopoly) M M International long distance service C P Internet service C C Efficiency and capacity C C Telecommunications revenue (% of GDP) .3.3 Mobile and fixed-line subscribers per employee 46 Access	Separate telecommunications regulator	Yes	Yes	
Level of competition (competition, partial comp., monopoly) M M International long distance service C P Internet service C C Efficiency and capacity C C Telecommunications revenue (% of GDP) .3.3 Mobile and fixed-line subscribers per employee 46 Access		Mixed	Mixed	
International long distance serviceMMMobile telephone serviceCPInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)Telecommunications investment (% of revenue)Telecommunications investment (% of revenue)Telecommunications investment (% of revenue)Telecommunications investment (% of revenue)Telephone lines (per 100 people)0.80.34.0Mobile cellular subscriptions (per 100 people)0.017.521.5Households with a television (%)20203116UsageUsageInternet users (per 100 people)0.20.22.25.2QualityPopulation covered by mobile cellular network (%)Price basket for residential fixed line (\$ a month)Price basket for residential fixed line (\$ a month)Price basket for nobile service (\$ a month)1.1.311.2Price basket for internet service (\$ a month)1.1.311.2Price basket for internet service (\$ a month)1.1.4ICT goods exports (% of total goods exports)1.1.4ICT goods imports (% of total goods imports)1.1.51.1.61.1.71.1.41.1.41.12				
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Telecommunications investment (% of revenue) Performance Access				
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Fixed broadband subscribers (% of total Internet subscribers) 0.0 3.4 International Internet bandwidth (bits per second per person) 0 1 26 Affordability Price basket for residential fixed line (\$ a month) 5.7 Price basket for mobile service (\$ a month) 11.3 11.2 Price basket for Internet service (\$ a month) 75.0 29.2 Price of call to United States (\$ for 3 minutes) 20.00 Trade ICT goods exports (% of total goods exports) 14.4 ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.02 0.11	Quality			
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Affordability 5.7 Price basket for residential fixed line (\$ a month) 5.7 Price basket for mobile service (\$ a month) 11.3 11.2 Price basket for Internet service (\$ a month) 75.0 29.2 Price basket for Internet service (\$ a month) 75.0 29.2 Price of call to United States (\$ for 3 minutes) 2.00 Trade 1.4 ICT goods exports (% of total goods exports) 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.02 0.11	Fixed broadband subscribers (% of total Internet subscribers	6) 0.0		3.4
Price basket for residential fixed line (\$ a month) 5.7 Price basket for mobile service (\$ a month) 11.3 11.2 Price basket for Internet service (\$ a month) 75.0 29.2 Price of call to United States (\$ for 3 minutes) 2.00 Trade 1.4 ICT goods exports (% of total goods exports) 6.7 ICT service exports (% of total service exports) ICT service exports (% of total service exports) ICT service exports (% of GDP) ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.02 0.11	International Internet bandwidth (bits per second per persor	ı) O	1	26
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Price of call to United States (\$ for 3 minutes) 2.00 Trade ICT goods exports (% of total goods exports) 1.4 ICT goods imports (% of total goods imports) 6.7 ICT service exports (% of total service exports) 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.02 0.11	Price basket for mobile service (\$ a month)		11.3	11.2
Trade ICT goods exports (% of total goods exports) 1.4 ICT goods imports (% of total goods imports) 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.02 0.11	Price basket for Internet service (\$ a month)		75.0	29.2
ICT goods exports (% of total goods exports) 1.4 ICT goods imports (% of total goods imports) 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.02	Price of call to United States (\$ for 3 minutes)			2.00
ICT goods imports (% of total goods imports) 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.02 0.11	Trade			
ICT goods imports (% of total goods imports) 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.02 0.11	ICT goods exports (% of total goods exports)			1.4
ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.02 0.11	ICT goods imports (% of total goods imports)			6.7
ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.02 0.11				
ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.02 0.11				
E-gov't Web measure index (0-1, 1=highest presence) 0.02 0.11				
	,		0.02	0.11
	Secure Internet servers (per million people)			0.5



Latin Americ	a & Caribbean
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Lower middle income

		initiatio	moonic
	r		Lower middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	0.73	0.74	3,435
Urban population (% of total)	29	28	,
GNI per capita, World Bank Atlas method (\$)	890	1,250	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.5	0.8	8.0
Adult literacy rate (% ages 15 and older)			83
Gross primary, secondary, and tertiary enrollment (%)	76	85	68
Structure			
Separate telecommunications regulator		Yes	;
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Μ	
Mobile telephone service	С	Р	1
Internet service		P	1
Efficiency and capacity			
Telecommunications revenue (% of GDP)	10.0		3.1
Mobile and fixed-line subscribers per employee	164	439	624
Telecommunications investment (% of revenue)	20.2		25.3
Performance			
Access			
Telephone lines (per 100 people)	9.3	14.9	15.3
Mobile cellular subscriptions (per 100 people)	5.4	38.0	
Internet subscribers (per 100 people)	1.8	6.5	
Personal computers (per 100 people)	3.0	3.9	
Households with a television (%)	41	59	79
Usage			
International voice traffic (minutes per person per month)	8.1	9.9	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	6.8	25.7	12.4
Quality		0.5	
Population covered by mobile cellular network (%)		95	
Fixed broadband subscribers (% of total Internet subscribers		4.2	
International Internet bandwidth (bits per second per person) 11	49	199
Affordability	1.0	4.0	7.2
Price basket for residential fixed line (\$ a month)	1.6	4.8	
Price basket for mobile service (\$ a month)		7.5	
Price basket for Internet service (\$ a month)	 2 00	12.1	0.00
Price of call to United States (\$ for 3 minutes)	3.89		2.08
Trade	0.0	0.1	20.6
ICT goods exports (% of total goods exports)	0.0 3.7	0.1 3.9	
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	3.7 22.6	3.9 21.5	
Applications	22.0	21.0	10.0
			6.5
ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence)		0.24	
Secure Internet servers (per million people)		4.1	
ocoure internet servers (per minion people)		4.1	1.0

Haiti

Latin America & Caribbean

Low income

	Country	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	9	10	1,296
Urban population (% of total)	36	45	32
GNI per capita, World Bank Atlas method (\$)	470	520	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.4	0.2	5.6
Adult literacy rate (% ages 15 and older)			64
Gross primary, secondary, and tertiary enrollment (%)			51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Р	
Mobile telephone service	Р	Р	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.3
Mobile and fixed-line subscribers per employee	32	92	301
Telecommunications investment (% of revenue)			
Performance			
Access			
Telephone lines (per 100 people)	0.8	1.1	4.0
Mobile cellular subscriptions (per 100 people)	0.6	26.0	
Internet subscribers (per 100 people)	0.1	1.0	
Personal computers (per 100 people)	0.1	5.2	
Households with a television (%)	23	27	16
Usage			
International voice traffic (minutes per person per month)			
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.2	10.4	5.2
Quality			
Population covered by mobile cellular network (%)		32	54
Fixed broadband subscribers (% of total Internet subscribers		0.0	
International Internet bandwidth (bits per second per person	ı) 5	17	26
Affordability Price basket for residential fixed line (\$ a month)			5.7
		 4.5	5.7 11.2
Price basket for mobile service (\$ a month) Price basket for Internet service (\$ a month)		4.5 70.3	29.2
Price of call to United States (\$ for 3 minutes)		2.15	29.2
Trade		2.15	2.00
ICT goods exports (% of total goods exports)			1.4
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)	 17.4	 4.9	
Applications	11.4	7.5	
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.06	0.11
Secure Internet servers (per million people)	0.1	0.8	0.5

Honduras

Latin America & Caribbean

Lower middle income

	LOWCI	initiatio	mcome		
	Countr	Country data		Lowe middl incon	
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	6	7	3,435		
Urban population (% of total)	44	47	,		
GNI per capita, World Bank Atlas method (\$)	940	1,590			
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.8	5.3	,		
Adult literacy rate (% ages 15 and older)	80	84			
Gross primary, secondary, and tertiary enrollment (%)	62	71			
Structure					
Separate telecommunications regulator	Yes	Yes			
Status of main fixed-line telephone operator	Public	Public	:		
Level of competition (competition, partial comp., monopoly)					
International long distance service	С	M	1		
Mobile telephone service	Р	M	1		
Internet service	С				
Efficiency and capacity					
Telecommunications revenue (% of GDP)	4.3	6.6	3.1		
Mobile and fixed-line subscribers per employee	107	391	624		
Telecommunications investment (% of revenue)	16.2	41.2	25.3		
Performance					
Access					
Telephone lines (per 100 people)	4.8	11.6	15.3		
Mobile cellular subscriptions (per 100 people)	2.5	58.9	38.9		
Internet subscribers (per 100 people)	0.3	0.5	6.0		
Personal computers (per 100 people)	1.1	2.0	4.6		
Households with a television (%)	44	61	79		
Usage					
International voice traffic (minutes per person per month)	3.9	2.8			
Mobile telephone usage (minutes per user per month)			322		
Internet users (per 100 people)	1.2	6.0	12.4		
Quality					
Population covered by mobile cellular network (%)	83	90			
Fixed broadband subscribers (% of total Internet subscribers		0.0			
International Internet bandwidth (bits per second per persor	ı) 2	244	199		
Affordability					
Price basket for residential fixed line (\$ a month)	7.0	5.9			
Price basket for mobile service (\$ a month)		10.8	9.8		
Price basket for Internet service (\$ a month)		33.3			
Price of call to United States (\$ for 3 minutes)	3.97	2.52	2.08		
Trade					
ICT goods exports (% of total goods exports)	0.0	0.3			
ICT goods imports (% of total goods imports)	0.5	6.9			
ICT service exports (% of total service exports)		11.5	15.6		
Applications					
ICT expenditure (% of GDP)		11.2			
E-gov't Web measure index (0–1, 1=highest presence)		0.37			
Secure Internet servers (per million people)	0.6	6.4	1.8		

Hong Kong, China

High income

	Country data		High- income group
	2000	2007	2007
Economic and social context			
Population (millions)	7	7	1,056
Urban population (% of total)	100	100	78
GNI per capita, World Bank Atlas method (\$)	26,570	31,560	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.8	5.2	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)		76	92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly			
International long distance service	, 		
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	3.5	3.1
Mobile and fixed-line subscribers per employee	243	813	747
Telecommunications investment (% of revenue)	12.0	12.6	14.3
Performance			
Access			
Telephone lines (per 100 people)	58.9	59.6	50.0
Mobile cellular subscriptions (per 100 people)	81.7	155.2	100.4
Internet subscribers (per 100 people)	40.0	41.4	25.8
Personal computers (per 100 people)	40.2	68.6	67.4
Households with a television (%)	98	100	98
Usage			
International voice traffic (minutes per person per month)	62.8	115.6	14.0
Mobile telephone usage (minutes per user per month)	353	491	353
Internet users (per 100 people)	27.8	57.2	65.7
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscriber	rs) 16.7	66.3	82.6
International Internet bandwidth (bits per second per perso	n) 627	15,892	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	12.6	8.4	26.1
Price basket for mobile service (\$ a month)		2.6	13.0
Price basket for Internet service (\$ a month)		25.4	22.8
Price of call to United States (\$ for 3 minutes)	2.62	0.77	0.81
Trade			
ICT goods exports (% of total goods exports)	27.3	42.1	15.2
ICT goods imports (% of total goods imports)	30.1	41.8	14.6
ICT service exports (% of total service exports)	1.0	1.6	7.0
Applications			
ICT expenditure (% of GDP)		4.7	6.7
E-gov't Web measure index (0-1, 1=highest presence)			
E-gov t web measure mues (0-1, 1-mgnest presence)			0.60

Hungary

_	Country	Country data	
	2000	2007	2007
Economic and social context			
Population (millions)	10	10	1,056
Urban population (% of total)	65	67	78
GNI per capita, World Bank Atlas method (\$)	4,660	11,680	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.2	4.0	2.4
Adult literacy rate (% ages 15 and older)		99	99
Gross primary, secondary, and tertiary enrollment (%)	80	89	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	С	
Mobile telephone service	Р	Р	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.7	4.2	3.1
Mobile and fixed-line subscribers per employee	330	1,009	
Telecommunications investment (% of revenue)	16.9	8.5	
Performance			
Access			
Telephone lines (per 100 people)	37.2	32.3	50.0
Mobile cellular subscriptions (per 100 people)	30.1	109.7	100.4
Internet subscribers (per 100 people)	2.2	14.8	25.8
Personal computers (per 100 people)	8.5	25.6	67.4
Households with a television (%)	100	101	98
Usage			
International voice traffic (minutes per person per month)	5.5	10.0	14.0
Mobile telephone usage (minutes per user per month)	181	164	353
Internet users (per 100 people)	7.0	51.9	65.7
Quality			
Population covered by mobile cellular network (%)	95	99	99
Fixed broadband subscribers (% of total Internet subscribers	s) 1.5	95.8	82.6
International Internet bandwidth (bits per second per person	n) 100	4,773	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	14.4	23.6	
Price basket for mobile service (\$ a month)		12.1	
Price basket for Internet service (\$ a month)		10.5	22.8
Price of call to United States (\$ for 3 minutes)	1.28	1.01	0.81
Trade			
ICT goods exports (% of total goods exports)	27.7	26.1	
ICT goods imports (% of total goods imports)	23.7	19.9	
ICT service exports (% of total service exports)	3.2	6.8	7.0
Applications			
ICT expenditure (% of GDP)		5.9	
E-gov't Web measure index (0–1, 1=highest presence)		0.62	
Secure Internet servers (per million people)	12.5	83.5	662.6

Iceland

High income

	Country	Country data		Country data ir		Country data	High- income group
	2000	2007	2007				
Economic and social context							
Population (millions)	0.28	0.31	1,056				
Urban population (% of total)	92	92	78				
GNI per capita, World Bank Atlas method (\$)	30,830	57,750	37,572				
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.0	4.5	2.4				
Adult literacy rate (% ages 15 and older)			99				
Gross primary, secondary, and tertiary enrollment (%)	90	95	92				
Structure							
Separate telecommunications regulator	Yes	Yes					
Status of main fixed-line telephone operator	Public	Mixed					
Level of competition (competition, partial comp., monopoly)							
International long distance service	С	С					
Mobile telephone service	C	C					
Internet service	C	C					
Efficiency and consolty							
Efficiency and capacity Telecommunications revenue (% of GDP)	2.4	2.9	3.1				
Mobile and fixed-line subscribers per employee	2.4	317	747				
Telecommunications investment (% of revenue)	33.6	22.9	14.3				
Performance Access							
Telephone lines (per 100 people)	69.9	60.0	50.0				
Mobile cellular subscriptions (per 100 people)	76.5	105.4	100.4				
Internet subscribers (per 100 people)	16.7	34.1	25.8				
Personal computers (per 100 people)	39.1	52.7	67.4				
Households with a television (%)	98	93	98				
Usage							
International voice traffic (minutes per person per month)	36.8	21.1	14.0				
Mobile telephone usage (minutes per user per month)			353				
Internet users (per 100 people)	44.5	65.0	65.7				
Quality							
Population covered by mobile cellular network (%)	99	99	99				
Fixed broadband subscribers (% of total Internet subscribers	s) 5.0	92.4	82.6				
International Internet bandwidth (bits per second per person	n) 157	7,074	18,242				
Affordability							
Price basket for residential fixed line (\$ a month)	17.2		26.1				
Price basket for mobile service (\$ a month)		13.2	13.0				
Price basket for Internet service (\$ a month)		53.5	22.8				
Price of call to United States (\$ for 3 minutes)	0.84		0.81				
Trade							
ICT goods exports (% of total goods exports)	0.6	0.4	15.2				
ICT goods imports (% of total goods imports)	11.0	5.7	14.6				
ICT service exports (% of total service exports)	3.8	3.9	7.0				
Applications							
ICT expenditure (% of GDP)			6.7				
E-gov't Web measure index (0–1, 1=highest presence)		0.46	0.60				
Secure Internet servers (per million people)	301.8	1,561.7	662.6				

India

South Asia	Lower	ower middle inco		
	Countr	y data	Lower middle- income group	
_	2000	2007	2007	
Economic and social context				
Population (millions)	1,016	1,125	3,435	
Urban population (% of total)	28	29	42	
GNI per capita, World Bank Atlas method (\$)	450	950	1,905	
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.9	7.8	8.0	
Adult literacy rate (% ages 15 and older)	61	66	83	
Gross primary, secondary, and tertiary enrollment (%)	55	64	68	
Structure				
Separate telecommunications regulator	Yes	Yes		
Status of main fixed-line telephone operator	Public	Mixed		
Level of competition (competition, partial comp., monopoly)				
International long distance service	М	С		
Mobile telephone service	Р	С		
Internet service	С	C		
Efficiency and capacity				
Telecommunications revenue (% of GDP)	1.5	2.0	3.1	
Mobile and fixed-line subscribers per employee	85		624	
Telecommunications investment (% of revenue)	49.3		25.3	
Performance				
Access				
Telephone lines (per 100 people)	3.2	3.5		
Mobile cellular subscriptions (per 100 people)	0.4	20.8		
Internet subscribers (per 100 people)	0.3	1.2		
Personal computers (per 100 people)	0.5	3.3		
Households with a television (%)	30	53	79	
Usage	0.0			
International voice traffic (minutes per person per month)	0.2			
Mobile telephone usage (minutes per user per month)	191	447		
Internet users (per 100 people) Quality	0.5	7.2	12.4	
Population covered by mobile cellular network (%)	21	61	80	
Fixed broadband subscribers (% of total Internet subscribers	6) 0.0	23.2	40.4	
International Internet bandwidth (bits per second per person	ı) 1	32	199	
Affordability				
Price basket for residential fixed line (\$ a month)	6.0	3.3	7.2	
Price basket for mobile service (\$ a month)		2.5	9.8	
Price basket for Internet service (\$ a month)		6.6	16.7	
Price of call to United States (\$ for 3 minutes) Trade	3.36	1.19	2.08	
ICT goods exports (% of total goods exports)	1.6	1.3	20.6	
ICT goods imports (% of total goods imports)	6.4	8.3		
ICT service exports (% of total service exports)	31.9	8.3 41.6		
Applications	51.5	71.0	15.0	
ICT expenditure (% of GDP)		5.6	6.5	
E-gov't Web measure index (0–1, 1=highest presence)		0.48		
Capita Internet equivers (per million people)	0.1	1.0	1.0	

Secure Internet servers (per million people)

1.8

0.1

1.3

Indonesia

East Asia & Pacific Lower middle income Lower middleincome **Country data** group 2000 2007 2007 Economic and social context Population (millions) 206 226 3 4 3 5 Urban population (% of total) 42 50 42 GNI per capita, World Bank Atlas method (\$) 590 1,905 1,650 GDP growth, 1995-2000 and 2000-07 (avg. annual %) -0.6 5.1 8.0 Adult literacy rate (% ages 15 and older) 92 83 Gross primary, secondary, and tertiary enrollment (%) 63 68 68 Structure Yes Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) Р P International long distance service Mobile telephone service С С С Internet service С Efficiency and capacity Telecommunications revenue (% of GDP) 14 22 31 Mobile and fixed-line subscribers per employee 259 1.095 624 25.3 Telecommunications investment (% of revenue) 11.4 28.3 Performance Access Telephone lines (per 100 people) 3.2 7.9 15.3 Mobile cellular subscriptions (per 100 people) 1.8 36.3 38.9 Internet subscribers (per 100 people) 0.2 1.4 6.0 Personal computers (per 100 people) 10 2.0 46 Households with a television (%) 54 65 79 Usage International voice traffic (minutes per person per month) 0.3 0.4 Mobile telephone usage (minutes per user per month) 66 322 Internet users (per 100 people) 0.9 5.8 12.4 **Ouality** Population covered by mobile cellular network (%) 90 89 80 Fixed broadband subscribers (% of total Internet subscribers) 8.2 40.4 10 International Internet bandwidth (bits per second per person) 1 53 199 Affordability 3.5 72 Price basket for residential fixed line (\$ a month) 5.1 Price basket for mobile service (\$ a month) 7.2 9.8 16.7 Price basket for Internet service (\$ a month) 21.9 Price of call to United States (\$ for 3 minutes) 2.79 2.08 3.90 Trade ICT goods exports (% of total goods exports) 126 53 20.6 ICT goods imports (% of total goods imports) 3.0 5.4 20.2 ICT service exports (% of total service exports) 11.9 15.6 Applications ICT expenditure (% of GDP) 3.9 65 E-gov't Web measure index (0-1, 1=highest presence) 0.33 0.33

104

Secure Internet servers (per million people)

0.3

1.0

1.8

Iran, Islamic Rep.

Middle East & North Africa

Lower middle income

	LOWCI				
	Countr	Country data		Lov mid country data	
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	64	71	3,435		
Urban population (% of total)	64	68	,		
GNI per capita, World Bank Atlas method (\$)	1,670	3,540			
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.7	5.9			
Adult literacy rate (% ages 15 and older)	77	82			
Gross primary, secondary, and tertiary enrollment (%)	69	73			
Structure					
Separate telecommunications regulator		Yes	;		
Status of main fixed-line telephone operator	Public	Public			
Level of competition (competition, partial comp., monopoly					
International long distance service	, М	F	0		
Mobile telephone service	М	F	0		
Internet service	М	F			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	1.1	1.4	3.1		
Mobile and fixed-line subscribers per employee	221	913	624		
Telecommunications investment (% of revenue)	6.0	74.5	25.3		
Performance					
Access					
Telephone lines (per 100 people)	14.8	33.6	5 15.3		
Mobile cellular subscriptions (per 100 people)	1.5	41.9	38.9		
Internet subscribers (per 100 people)	0.4		. 6.0		
Personal computers (per 100 people)	6.3	10.6	i 4.6		
Households with a television (%)	68		. 79		
Usage					
International voice traffic (minutes per person per month)	0.6	0.7	·		
Mobile telephone usage (minutes per user per month)			. 322		
Internet users (per 100 people)	1.0	32.4	12.4		
Quality					
Population covered by mobile cellular network (%)	32	95	80		
Fixed broadband subscribers (% of total Internet subscriber	s) 0.1		. 40.4		
International Internet bandwidth (bits per second per perso	n) 1	153	199		
Affordability					
Price basket for residential fixed line (\$ a month)	10.8	2.1	7.2		
Price basket for mobile service (\$ a month)		2.7	9.8		
Price basket for Internet service (\$ a month)		2.0	16.7		
Price of call to United States (\$ for 3 minutes)	7.65	0.55	2.08		
Trade					
ICT goods exports (% of total goods exports)	0.0	0.1	20.6		
ICT goods imports (% of total goods imports)	5.5	1.9	20.2		
ICT service exports (% of total service exports)			. 15.6		
Applications					
ICT expenditure (% of GDP)		3.5	6.5		
E-gov't Web measure index (0-1, 1=highest presence)		0.26	0.33		
	0.0	0.3			

Iraq

Middle East & North Africa	Lower	Lower middle			er middle income	
	Countr	Country data				
	2000	2007	2007			
Economic and social context						
Population (millions)	24		3,435			
Urban population (% of total)	68	67	42			
GNI per capita, World Bank Atlas method (\$)			1,905			
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	17.9	-11.4	8.0			
Adult literacy rate (% ages 15 and older)	74		83			
Gross primary, secondary, and tertiary enrollment (%)	53	60	68			
Structure						
Separate telecommunications regulator		No				
Status of main fixed-line telephone operator		Public				
Level of competition (competition, partial comp., monopoly)						
International long distance service	М	М				
Mobile telephone service						
Internet service						
Efficiency and capacity						
Telecommunications revenue (% of GDP)			3.1			
Mobile and fixed-line subscribers per employee		941	624			
Telecommunications investment (% of revenue)			25.3			
Performance						
Access						
Telephone lines (per 100 people)	2.8		15.3			
Mobile cellular subscriptions (per 100 people)	0.0		38.9			
Internet subscribers (per 100 people)						
Personal computers (per 100 people)			4.6 79			
Households with a television (%) Usage			19			
International voice traffic (minutes per person per month)						
Mobile telephone usage (minutes per user per month)		255	322			
Internet users (per 100 people)			12.4			
Quality						
Population covered by mobile cellular network (%)		72	80			
Fixed broadband subscribers (% of total Internet subscribers	6) 0.0		40.4			
International Internet bandwidth (bits per second per person	ı)		199			
Affordability			7.0			
Price basket for residential fixed line (\$ a month)						
Price basket for mobile service (\$ a month)		2.6				
Price basket for Internet service (\$ a month)			16.7			
Price of call to United States (\$ for 3 minutes)			2.08			
Trade ICT goods exports (% of total goods exports)			20.6			
ICT goods imports (% of total goods imports)			20.0			
ICT service exports (% of total service exports)		1.9				
Applications		2.0	10.0			
ICT expenditure (% of GDP)			6.5			
E-gov't Web measure index (0–1, 1=highest presence)		0.11				
Secure Internet servers (per million people)			1.8			

Ireland

	Country	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	4	4	1,056
Urban population (% of total)	59	61	78
GNI per capita, World Bank Atlas method (\$)	23,160	47,610	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	9.5	5.5	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	91	100	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	С	
Mobile telephone service	Р	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.4	3.1
Mobile and fixed-line subscribers per employee	246	406	747
Telecommunications investment (% of revenue)	14.3	7.1	14.3
Performance			
Access	40.4	40.4	50.0
Telephone lines (per 100 people)	48.1	48.4	
Mobile cellular subscriptions (per 100 people)	64.7	114.1	100.4
Internet subscribers (per 100 people)	14.5	25.1	25.8
Personal computers (per 100 people)	35.7 94	58.2 119	67.4 98
Households with a television (%)	94	119	90
Usage	EQ 1		14.0
International voice traffic (minutes per person per month)	59.1		
Mobile telephone usage (minutes per user per month)		252	353
Internet users (per 100 people)	17.8	56.1	65.7
Quality	98	99	99
Population covered by mobile cellular network (%)		99 73.6	
Fixed broadband subscribers (% of total Internet subscribers	·		
International Internet bandwidth (bits per second per person	ı) 241	15,229	18,242
Affordability Price basket for residential fixed line (\$ a month)	28.6	41.5	26.1
Price basket for mobile service (\$ a month)		19.3	
		19.3 31.4	
Price basket for Internet service (\$ a month)	 0.80	0.71	
Price of call to United States (\$ for 3 minutes)	0.80	0.71	0.81
Trade	24 5	22.4	15.2
ICT goods exports (% of total goods exports)	34.5		
ICT goods imports (% of total goods imports)	34.0	24.1	
ICT service exports (% of total service exports)	45.5	30.1	7.0
Applications		FO	07
ICT expenditure (% of GDP)		5.9	
E-gov't Web measure index (0–1, 1=highest presence)		0.68	
Secure Internet servers (per million people)	90.5	672.9	662.6

lsle of Man

High income

	Country	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	0.07	0.08	1,056
Urban population (% of total)	52	51	78
GNI per capita, World Bank Atlas method (\$)	23,170	45,810	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	10.4	6.0	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)			92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International long distance service			
Mobile telephone service			
Internet service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.1
Mobile and fixed-line subscribers per employee			747
Telecommunications investment (% of revenue)			14.3
Performance			
Access			
Telephone lines (per 100 people)			50.0
Mobile cellular subscriptions (per 100 people)			100.4
Internet subscribers (per 100 people)			25.8
Personal computers (per 100 people)			67.4
Households with a television (%)			98
Usage			
International voice traffic (minutes per person per month)			14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)			65.7
Quality			
Population covered by mobile cellular network (%)			99
Fixed broadband subscribers (% of total Internet subscribers	s)		82.6
International Internet bandwidth (bits per second per person	ו)		18,242
Affordability			
Price basket for residential fixed line (\$ a month)			26.1
Price basket for mobile service (\$ a month)			13.0
Price basket for Internet service (\$ a month)			22.8
Price of call to United States (\$ for 3 minutes)			0.81
Trade			
ICT goods exports (% of total goods exports)			15.2
ICT goods imports (% of total goods imports)			14.6
ICT service exports (% of total service exports)			7.0
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0–1, 1=highest presence)			0.60
Secure Internet servers (per million people)	81.8	217.4	662.6

Israel

	Country	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	6	7	1,056
Urban population (% of total)	91	92	78
GNI per capita, World Bank Atlas method (\$)	17,850	22,170	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.5	3.2	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	88	90	92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	С	
Mobile telephone service	С	С	
Internet service	С		
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	4.1	3.1
Mobile and fixed-line subscribers per employee	618	692	
Telecommunications investment (% of revenue)	16.1		14.3
Performance			
Access	47.0	40.0	50.0
Telephone lines (per 100 people)	47.3	42.6	
Mobile cellular subscriptions (per 100 people)	70.0	124.0	
Internet subscribers (per 100 people)	12.8	26.8	
Personal computers (per 100 people)	25.3	24.2 92	
Households with a television (%)	92	92	98
Usage	22.2	30.3	14.0
International voice traffic (minutes per person per month)	22.3		
Mobile telephone usage (minutes per user per month)	361	351	
Internet users (per 100 people)	20.2	27.9	65.7
Quality	07	100	99
Population covered by mobile cellular network (%)	97 s) 0.0	100 75.2	
Fixed broadband subscribers (% of total Internet subscribers			
International Internet bandwidth (bits per second per person	ı) 53	2,003	18,242
Affordability	11.6	15.1	26.1
Price basket for residential fixed line (\$ a month) Price basket for mobile service (\$ a month)		10.3	
		24.2	
Price basket for Internet service (\$ a month)			
Price of call to United States (\$ for 3 minutes)		0.59	0.81
Trade	0E 0	10.0	15 0
ICT goods exports (% of total goods exports)	25.2	10.9	
ICT goods imports (% of total goods imports)	16.4	11.4	
ICT service exports (% of total service exports)	28.7	28.5	7.0
Applications		0.5	0 7
ICT expenditure (% of GDP)		6.5	
E-gov't Web measure index (0–1, 1=highest presence)		0.67	
Secure Internet servers (per million people)	46.7	272.7	662.6

Italy

	Country data		High- income group
	2000	2007	2007
Economic and social context			
Population (millions)	57	59	1,056
Urban population (% of total)	67	68	78
GNI per capita, World Bank Atlas method (\$)	20,890	33,490	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	1.8	1.0	2.4
Adult literacy rate (% ages 15 and older)	98	99	99
Gross primary, secondary, and tertiary enrollment (%)	81	91	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)		Thrute	
International long distance service	С	С	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity	2.2	3.2	3.1
Telecommunications revenue (% of GDP)	915		5.1 747
Mobile and fixed-line subscribers per employee		1,228	
Telecommunications investment (% of revenue)	26.7	14.5	14.3
Performance			
Access			
Telephone lines (per 100 people)	47.7	45.6	50.0
Mobile cellular subscriptions (per 100 people)	74.2	151.8	100.4
Internet subscribers (per 100 people)	10.2	30.2	25.8
Personal computers (per 100 people)	18.1	36.7	67.4
Households with a television (%)	98	98	98
Usage			
International voice traffic (minutes per person per month)	13.2	19.7	14.0
Mobile telephone usage (minutes per user per month)	116	116	353
Internet users (per 100 people)	23.2	53.9	65.7
Quality Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscribers		38.5	82.6
International Internet bandwidth (bits per second per person		10,302	18,242
Affordability	., 100	10,002	10,212
Price basket for residential fixed line (\$ a month)	18.9	24.9	26.1
Price basket for mobile service (\$ a month)		14.1	13.0
Price basket for Internet service (\$ a month)		25.0	
Price of call to United States (\$ for 3 minutes)	0.81	0.79	
Trade	0.01	0.10	0.01
ICT goods exports (% of total goods exports)	5.3	3.7	15.2
ICT goods imports (% of total goods imports)	9.9	7.0	
ICT service exports (% of total service exports)	3.0	3.5	7.0
Applications	5.0	5.5	1.0
ICT expenditure (% of GDP)		5.8	6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.51	0.60
Secure Internet servers (per million people)	 18.3	92.8	662.6
Coouro internet servers (per miniori people)	10.5	52.0	002.0

Jamaica

Upper middle income

	0000		Upper		
	Country	Country data		middl	
	2000	2007	2007		
Economic and social context					
Population (millions)	3	3	824		
Urban population (% of total)	52	53	75		
GNI per capita, World Bank Atlas method (\$)	2,930	3,330	7,107		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-0.1	1.0	4.3		
Adult literacy rate (% ages 15 and older)	80	86	94		
Gross primary, secondary, and tertiary enrollment (%)	74	78	82		
Structure					
Separate telecommunications regulator	Yes	Yes			
Status of main fixed-line telephone operator	Private	Private			
Level of competition (competition, partial comp., monopoly	')				
International long distance service	М	C			
Mobile telephone service	С	Р			
Internet service	С	C			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	5.9	4.9	3.3		
Mobile and fixed-line subscribers per employee	268	678	566		
Telecommunications investment (% of revenue)	32.5	36.7	·		
Performance					
Access					
Telephone lines (per 100 people)	19.1	13.6	22.6		
Mobile cellular subscriptions (per 100 people)	14.2	100.0			
Internet subscribers (per 100 people)		3.2			
Personal computers (per 100 people)	4.6	6.8			
Households with a television (%)	71	70	92		
Usage					
International voice traffic (minutes per person per month)	12.9	19.5			
Mobile telephone usage (minutes per user per month)					
Internet users (per 100 people)	3.1	56.1	26.6		
Quality Population covered by mobile cellular network (%)	80	95	95		
Fixed broadband subscribers (% of total Internet subscriber		92.9			
International Internet bandwidth (bits per second per perso	,	19,151			
Affordability	1) 20	10,101	1,100		
Price basket for residential fixed line (\$ a month)	5.0	9.1	10.6		
Price basket for mobile service (\$ a month)		7.5			
Price basket for Internet service (\$ a month)		34.3			
Price of call to United States (\$ for 3 minutes)		0.87			
Trade		0.01	1.00		
ICT goods exports (% of total goods exports)	0.3	0.2	13.5		
ICT goods imports (% of total goods imports)	5.7	3.6			
ICT service exports (% of total service exports)	12.3	6.8			
Applications	0				
ICT expenditure (% of GDP)		6.6	5.2		
E-gov't Web measure index (0–1, 1=highest presence)		0.32			
			2.51		

Japan

High income

2000 2007 2007 Economic and social context Population (millions) 127 128 1,056 Urban population (% of total) 65 66 78 GNI per capita, World Bank Atlas method (\$) 34,620 37,790 37,572 GDP growth, 1995-2000 and 2000-07 (avg, annual %) 0.6 1.7 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 83 86 92 Structure Sparate telecommunications regulator No Status of main fixed-line telephone operator Mixed Private Level of competition (competition, partial comp., monopoly) International long distance service C C Internet service C C C Mobile telephone service C C Efficiency and capacity Telecommunications investment (% of revenue) 26.8 1.3.1 747 Telecommunications investment (% of revenue) 26.8 40.1 50.0 Mobile ad fixed-line subscribers per employee 83.0 1.3.34 74		Country	Country data		untry data inco	High- income group
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GNI per capita, World Bank Atlas method (\$) 34,620 37,790 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 0.6 1.7 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 83 86 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Private Level of competition (competition, partial comp., monopoly) International long distance service C C Internet service C C C C Mobile telephone service C C Elecommunications revenue (% of GDP) 2.6 3.1 3.1 Mobile and fixed-line subscribers per employee 830 1,334 747 Telecommunications investment (% of revenue) 26.8 103.8 14.3 Deformance Access 2.6 84.0 100.4 Internet subscribers (per 100 people) 14.3 25.8 9 9.9 98 Usage </td <td>Population (millions)</td> <td>127</td> <td>128</td> <td>1,056</td>	Population (millions)	127	128	1,056		
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 0.6 1.7 2.4 Adult literacy rate (% ages 15 and older)	Urban population (% of total)	65	66	78		
Adult literacy rate (% ages 15 and older)99Gross primary, secondary, and tertiary enrollment (%)838692StructureSeparate telecommunications regulatorNoStatus of main fixed-line telephone operatorMixedPrivateLevel of competition (competition, partial comp., monopoly)International long distance serviceCCInternational long distance serviceCCCInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)2.63.13.1Mobile and fixed-line subscribers per employee8301,334747Telecommunications investment (% of revenue)26.813.814.3PerformanceAccessTelephone lines (per 100 people)48.840.150.0Mobile cellular subscriptions (per 100 people)14.325.8Personal computers (per 100 people)14.325.8Personal computers (per 100 people)30.069.065.7QualityVaageVaageVaage14.0Mobile telephone usage (minutes per person per month)1.84138353Internet users (per 100 people)30.069.065.7QualityValityVality9910099Fixed broadband subscribers (% of total Internet subscribers)4.782.6International Internet bandwidth (bits per second per person)573.734 <td>GNI per capita, World Bank Atlas method (\$)</td> <td>34,620</td> <td>37,790</td> <td>37,572</td>	GNI per capita, World Bank Atlas method (\$)	34,620	37,790	37,572		
Gross primary, secondary, and tertiary enrollment (%) 83 86 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Private Level of competition (competition, partial comp., monopoly) International long distance service C C Internet service C C C C Efficiency and capacity Telecommunications revenue (% of GDP) 2.6 3.1 3.1 Mobile and fixed-line subscribers per employee 830 1,334 747 Telecommunications investment (% of revenue) 26.8 13.8 14.3 Performance Access 2.6 84.0 10.0 Mobile cellular subscriptions (per 100 people) 14.3 25.8 Personal computers (per 100 people) 14.3 25.8 Internet subscribers (per 100 people) 3.0. 69.0 65.7 Quality 79 99 98 Usage Internet users (per 100 people) 3.0. 69.0 65.7	GDP growth, 1995-2000 and 2000-07 (avg. annual %)	0.6	1.7	2.4		
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Mobile and fixed-line subscribers per employee 830 1,334 747 Telecommunications investment (% of revenue) 26.8 13.8 14.3 Performance Access 13.8 14.3 Performance 48.8 40.1 50.0 Mobile cellular subscriptions (per 100 people) 52.6 84.0 100.4 Internet subscribers (per 100 people) 14.3 25.8 Personal computers (per 100 people) 31.5 40.7 67.4 Households with a television (%) 79 99 98 Usage 11 138 353 Internet users (per 100 people) 30.0 69.0 65.7 Quality 99 100 99 100 99 Population covered by mobile cellular network (%) 99 100 99 13.0 Affordability 7 82.6 13.0 14.242 Affordability 99 100 99 13.0 Price basket for residential fixed line (\$ a month) 26.1 26.1 26.1 <tr< td=""><td></td><td>2.6</td><td>3.1</td><td>31</td></tr<>		2.6	3.1	31		
Telecommunications investment (% of revenue) 26.8 13.8 14.3 Performance Access 100 100 100.4 Internet subscriptions (per 100 people) 52.6 84.0 100.4 Internet subscriptions (per 100 people) 52.6 84.0 100.4 Internet subscriptions (per 100 people) 14.3 25.8 Personal computers (per 100 people) 31.5 40.7 67.4 Households with a television (%) 79 99 98 Usage 1 138 353 Internet users (per 100 people) 30.0 69.0 65.7 Quality 9 100 99 Population covered by mobile cellular network (%) 99 100 99 Fixed broadband subscribers (% of total Internet subscribers) 4.7 82.6 International Internet bandwidth (bits per second per person) 57 3,734 18,242 Affordability 28.6 13.0 16.7 1.63 0.81 Price basket for Internet service (\$ a month) <td></td> <td></td> <td></td> <td></td>						
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Nobile cellular subscriptions (per 100 people) 52.6 84.0 100.4 Internet subscriptions (per 100 people) 14.3		48.8	40 1	50.0		
Internet subscribers (per 100 people) 14.3			84.0	100.4		
Personal computers (per 100 people) 31.5 40.7 67.4 Households with a television (%) 79 99 98 Usage						
Households with a television (%)799998Usage1111International voice traffic (minutes per person per month)2.53.914.0Mobile telephone usage (minutes per user per month)184138353Internet users (per 100 people)30.069.065.7Quality910099Population covered by mobile cellular network (%)9910099Fixed broadband subscribers (% of total Internet subscribers)4.782.6International Internet bandwidth (bits per second per person)573,73418.242Affordability910029.613.0Price basket for residential fixed line (\$ a month)26.126.1Price basket for Internet service (\$ a month)28.622.8Price of call to United States (\$ for 3 minutes)1.671.630.81Trade11.27.011.3.714.6ICT goods exports (% of total goods exports)25.819.315.2ICT goods imports (% of total service exports)3.51.27.0Applications17.613.714.6ICT expenditure (% of GDP)7.26.7E-gov't Web measure index (0-1, 1=highest presence)0.740.60			40 7			
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Price of call to United States (\$ for 3 minutes) 1.67 1.63 0.81 Trade 19.3 15.2 ICT goods exports (% of total goods exports) 25.8 19.3 15.2 ICT goods imports (% of total goods imports) 17.6 13.7 14.6 ICT service exports (% of total service exports) 3.5 1.2 7.0 Applications 7.2 6.7 ICT expenditure (% of GDP) 7.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.74 0.60	Price basket for mobile service (\$ a month)		29.6	13.0		
Trade 25.8 19.3 15.2 ICT goods exports (% of total goods exports) 25.8 19.3 15.2 ICT goods imports (% of total goods imports) 17.6 13.7 14.6 ICT service exports (% of total service exports) 3.5 1.2 7.0 Applications ICT expenditure (% of GDP) 7.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.74 0.60	Price basket for Internet service (\$ a month)		28.6	22.8		
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ICT service exports (% of total service exports) 3.5 1.2 7.0 Applications 7.2 6.7 ICT expenditure (% of GDP) 7.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.74 0.60		17.6	13.7	14.6		
Applications 7.2 6.7 ICT expenditure (% of GDP) 7.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.74 0.60		3.5	1.2	7.0		
ICT expenditure (% of GDP) 7.2 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.74 0.60						
E-gov't Web measure index (0-1, 1=highest presence) 0.74 0.60			7.2	6.7		
			471.6	662.6		

Jordan

Middle East & North Africa	Lower	middle	income
	Country	y data	Lower middle- income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	6	3,435
Urban population (% of total)	78	78	42
GNI per capita, World Bank Atlas method (\$)	1,790	2,840	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.2	6.3	8.0
Adult literacy rate (% ages 15 and older)		91	83
Gross primary, secondary, and tertiary enrollment (%)	76	78	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	C	
Mobile telephone service	Р	C	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.7	8.3	3.1
Mobile and fixed-line subscribers per employee	158	1,026	624
Telecommunications investment (% of revenue)	38.5	12.4	25.3
Performance			
Access			
Telephone lines (per 100 people)	12.9	10.2	15.3
Mobile cellular subscriptions (per 100 people)	8.1	83.4	38.9
Internet subscribers (per 100 people)	0.7	3.9	6.0
Personal computers (per 100 people)	3.1	6.7	4.6
Households with a television (%) Usage	96	96	79
	6.7	2.7	
International voice traffic (minutes per person per month) Mobile telephone usage (minutes per user per month)	0.7	2.1	 322
Internet users (per 100 people)	 2.7	 19.7	
Quality	2.1	19.7	12.4
Population covered by mobile cellular network (%)	99	99	80
Fixed broadband subscribers (% of total Internet subscribers	s) 0.6	38.2	40.4
International Internet bandwidth (bits per second per person		164	199
Affordability			
Price basket for residential fixed line (\$ a month)	8.8	10.0	7.2
Price basket for mobile service (\$ a month)		6.9	9.8
Price basket for Internet service (\$ a month)		11.1	16.7
Price of call to United States (\$ for 3 minutes)	2.86	1.44	2.08
Trade			
ICT goods exports (% of total goods exports)	3.7	4.8	20.6
ICT goods imports (% of total goods imports)	5.9	7.0	20.2
ICT service exports (% of total service exports)		0.0	15.6
Applications			
ICT expenditure (% of GDP)		9.3	6.5
E-gov't Web measure index (0-1, 1=highest presence)		0.61	0.33
Secure Internet servers (per million people)	0.4	8.8	1.8

Kazakhstan

Structure Separate telecommunications regulator Mixed Level of competition (competition, partial comp., monopoly) International long distance service C C Mobile telephone service P P International long distance service C C Efficiency and capacity Internet service . Efficiency and capacity Telecommunications revenue (% of GDP) 1.5 2.9 3.3 Mobile and fixed-line subscribers per employee 66 308 566 Telecommunications revenue (% of revenue) 26.7 22.5 Performance Access 12.3 20.9 22.6 Mobile cellular subscriptions (per 100 people) 1.3 79.6 84.1 Internet subscribers (per 100 people) 12.4 9.4 9.4 9.2 92 92 92 12.4 Households with a television (%) 92 12.4 Households with a television (%) 92 92 92 92	Europe & Central Asia	tral Asia Upper middle income		
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Telecommunications investment (% of revenue) 26.7 22.5 Performance Access 20.9 22.6 Mobile cellulars subscriptions (per 100 people) 1.3 79.6 84.1 Internet subscribers (per 100 people) 1.3 79.6 84.1 Internet subscribers (per 100 people) 4.4 9.4 Personal computers (per 100 people) .12.4 Households with a television (%) 92 92 Usage 100 137 International voice traffic (minutes per person per month) 1.6 3.9 Mobile telephone usage (minutes per user per month) 100 137 International voice traffic (minutes per user per month) 100 137 International voice traffic (minutes per user per month) 100 137 International Internet bandwidth (bits per second per person) 1 129 1,185 Affordability 11.4 10.5 Price basket for Internet service (\$ a month)		1.5	2.9	3.3
Telecommunications investment (% of revenue) 26.7 22.5 Performance Access 20.9 22.6 Mobile cellulars subscriptions (per 100 people) 1.3 79.6 84.1 Internet subscribers (per 100 people) 1.3 79.6 84.1 Internet subscribers (per 100 people) 4.4 9.4 Personal computers (per 100 people) .12.4 Households with a television (%) 92 92 Usage 100 137 International voice traffic (minutes per person per month) 1.6 3.9 Mobile telephone usage (minutes per user per month) 100 137 International voice traffic (minutes per user per month) 100 137 International voice traffic (minutes per user per month) 100 137 International Internet bandwidth (bits per second per person) 1 129 1,185 Affordability 11.4 10.5 Price basket for Internet service (\$ a month)	Mobile and fixed-line subscribers per employee	66	308	566
AccessTelephone lines (per 100 people)12.320.922.6Mobile cellular subscriptions (per 100 people)1.379.684.1Internet subscribers (per 100 people)4.49.4Personal computers (per 100 people)4.49.4Households with a television (%)9292Usage100137International voice traffic (minutes per person per month)1.63.9International voice traffic (minutes per user per month)1.63.9International voice traffic (minutes per user per month)1.00137136Quality100137143146Population covered by mobile cellular network (%)948195Fixed broadband subscribers (% of total Internet subscribers)39.647.8International Internet bandwidth (bits per second per person)11291,185Affordability11.410.5Price basket for residential fixed line (\$ a month)16.316.4Price basket for Internet service (\$ a month)16.316.4Price of call to United States (\$ for 3 minutes)2.761.55Trade10.513.5ICT goods exports (% of total goods exports)0.60.113.5ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6 <t< td=""><td></td><td>26.7</td><td>22.5</td><td></td></t<>		26.7	22.5	
Telephone lines (per 100 people) 12.3 20.9 22.6 Mobile cellular subscriptions (per 100 people) 1.3 79.6 84.1 Internet subscribers (per 100 people) 4.4 9.4 Personal computers (per 100 people) 12.4 9.4 Households with a television (%) 92 92 Usage 100 137 International voice traffic (minutes per person per month) 1.6 3.9 Mobile telephone usage (minutes per user per month) 100 137 International voice traffic (minutes per user per month) 100 137 International voice traffic (minutes per user per month) 100 137 International voice traffic (minutes per person per month) 100 137 International not evered by mobile cellular network (%) 94 81 95 Fixed broadband subscribers (% of total Internet subscribers) 39.6 47.8 International Internet bandwidth (bits per second per person) 1 129 1,185 Affordability 11.4 10.5<	Performance			
Mobile cellular subscriptions (per 100 people)1.379.684.1Internet subscribers (per 100 people)4.49.4Personal computers (per 100 people)12.4Households with a television (%)9292Usage100137International voice traffic (minutes per person per month)1.63.9Mobile telephone usage (minutes per user per month)100137Internet users (per 100 people)0.712.326.6QualityPopulation covered by mobile cellular network (%)948195Fixed broadband subscribers (% of total Internet subscribers)39.647.8International Internet bandwidth (bits per second per person)11291,185Affordability11.410.5Price basket for residential fixed line (\$ a month)16.316.4Price basket for Internet service (\$ a month)16.316.4Price of call to United States (\$ for 3 minutes)2.761.55Trade13.516.2ICT goods exports (% of total goods exports)0.60.113.5ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications12.5	Access			
Internet subscribers (per 100 people)4.49.4Personal computers (per 100 people)12.4Households with a television (%)9292Usage100137International voice traffic (minutes per person per month)1.63.9Mobile telephone usage (minutes per user per month)100137Internet users (per 100 people)0.712.326.6QualityPopulation covered by mobile cellular network (%)948195Fixed broadband subscribers (% of total Internet subscribers)39.647.8International Internet bandwidth (bits per second per person)11291,185Affordability11.410.5Price basket for residential fixed line (\$ a month)16.316.4Price basket for Internet service (\$ a month)16.316.4Price of call to United States (\$ for 3 minutes)2.761.55Trade13.5ICT goods imports (% of total goods exports)0.60.113.5ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications	Telephone lines (per 100 people)	12.3	20.9	22.6
Personal computers (per 100 people)12.4Households with a television (%)9292UsageInternational voice traffic (minutes per person per month)1.63.9International voice traffic (minutes per user per month)1.63.9International voice traffic (minutes per user per month)100137Internet users (per 100 people)0.712.326.6QualityPopulation covered by mobile cellular network (%)948195Fixed broadband subscribers (% of total Internet subscribers)39.647.8International Internet bandwidth (bits per second per person)11291,185AffordabilityPrice basket for residential fixed line (\$ a month)4.810.6Price basket for Internet service (\$ a month)16.316.4Price of call to United States (\$ for 3 minutes)2.761.55TradeICT goods exports (% of total goods exports)0.60.11.3.5ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications	Mobile cellular subscriptions (per 100 people)	1.3	79.6	84.1
Households with a television (%)9292UsageInternational voice traffic (minutes per person per month)1.63.9Mobile telephone usage (minutes per user per month)100137Internet users (per 100 people)0.712.326.6QualityPopulation covered by mobile cellular network (%)948195Fixed broadband subscribers (% of total Internet subscribers)39.647.6International Internet bandwidth (bits per second per person)11291,185AffordabilityPrice basket for residential fixed line (\$ a month)4.810.6Price basket for nobile service (\$ a month)16.316.4Price of call to United States (\$ for 3 minutes)2.761.55TradeICT goods exports (% of total goods exports)0.60.113.5ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications	Internet subscribers (per 100 people)		4.4	9.4
UsageInternational voice traffic (minutes per person per month)1.63.9Mobile telephone usage (minutes per user per month)100137Internet users (per 100 people)0.712.326.6QualityPopulation covered by mobile cellular network (%)948195Fixed broadband subscribers (% of total Internet subscribers)39.647.6International Internet bandwidth (bits per second per person)11291,185AffordabilityPrice basket for residential fixed line (\$ a month)4.810.6Price basket for mobile service (\$ a month)11.410.5Price basket for laternet service (\$ a month)16.316.4Price of call to United States (\$ for 3 minutes)2.761.55TradeICT goods exports (% of total goods exports)0.60.113.5ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications	Personal computers (per 100 people)			12.4
International voice traffic (minutes per person per month)1.63.9Mobile telephone usage (minutes per user per month)100137Internet users (per 100 people)0.712.326.6QualityPopulation covered by mobile cellular network (%)948195Fixed broadband subscribers (% of total Internet subscribers)39.647.8International Internet bandwidth (bits per second per person)11291,185AffordabilityPrice basket for residential fixed line (\$ a month)41.410.6Price basket for Internet service (\$ a month)16.316.4Price of call to linted States (\$ for 3 minutes)2.761.55TradeICT goods exports (% of total goods exports)0.60.113.5ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications		92		92
Mobile telephone usage (minutes per user per month)100137Internet users (per 100 people)0.712.326.6QualityPopulation covered by mobile cellular network (%)948195Fixed broadband subscribers (% of total Internet subscribers)39.647.8International Internet bandwidth (bits per second per person)11291,185AffordabilityPrice basket for residential fixed line (\$ a month)4.810.6Price basket for nobile service (\$ a month)16.316.4Price basket for Internet service (\$ a month)16.316.4Price of call to United States (\$ for 3 minutes)2.761.55TradeICT goods exports (% of total goods imports)0.60.113.5ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications3.42.54.6	0	16	3.9	
Internet users (per 100 people)0.712.326.6QualityPopulation covered by mobile cellular network (%)948195Fixed broadband subscribers (% of total Internet subscribers)39.647.8International Internet bandwidth (bits per second per person)11291,185AffordabilityPrice basket for residential fixed line (\$ a month)4.810.6Price basket for nobile service (\$ a month)16.316.4Price of call to United States (\$ for 3 minutes)2.761.55TradeICT goods exports (% of total goods exports)0.60.113.55ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications				
QualityPopulation covered by mobile cellular network (%)948195Fixed broadband subscribers (% of total Internet subscribers)39.647.8International Internet bandwidth (bits per second per person)11291,185Affordability11291,185Price basket for residential fixed line (\$ a month)4.810.6Price basket for nobile service (\$ a month)16.316.4Price basket for Internet service (\$ a month)16.316.4Price of call to United States (\$ for 3 minutes)2.761.55Trade113.5ICT goods exports (% of total goods exports)0.60.113.5ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications3.42.54.6				
Population covered by mobile cellular network (%)948195Fixed broadband subscribers (% of total Internet subscribers)39.647.8International Internet bandwidth (bits per second per person)11291,185Affordability1291,185Price basket for residential fixed line (\$ a month)4.810.6Price basket for mobile service (\$ a month)11.410.5Price basket for Internet service (\$ a month)16.316.4Price of call to United States (\$ for 3 minutes)2.761.55TradeICT goods exports (% of total goods exports)0.60.113.5ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications		0.1	12.0	20.0
Fixed broadband subscribers (% of total Internet subscribers)39.647.8International Internet bandwidth (bits per second per person)11291,185Affordability11291,185Price basket for residential fixed line (\$ a month)4.810.6Price basket for mobile service (\$ a month)11.410.5Price basket for Internet service (\$ a month)16.316.4Price of call to United States (\$ for 3 minutes)2.761.55Trade10.60.113.5ICT goods exports (% of total goods exports)0.60.113.5ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications		94	81	95
International Internet bandwidth (bits per second per person)11291,185AffordabilityPrice basket for residential fixed line (\$ a month)4.810.6Price basket for mobile service (\$ a month)11.410.5Price basket for Internet service (\$ a month)16.316.4Price of call to United States (\$ for 3 minutes)2.761.55TradeICT goods exports (% of total goods exports)0.60.113.5ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6ApplicationsApplicationsApplicationsApplication		s)	39.6	47.8
AffordabilityPrice basket for residential fixed line (\$ a month)4.810.6Price basket for mobile service (\$ a month)11.410.5Price basket for Internet service (\$ a month)16.316.4Price of call to United States (\$ for 3 minutes)2.761.55TradeICT goods exports (% of total goods exports)0.60.113.5ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications				
Price basket for mobile service (\$ a month) 11.4 10.5 Price basket for Internet service (\$ a month) 16.3 16.4 Price of call to United States (\$ for 3 minutes) 2.76 1.55 Trade 10.5 16.2 16.2 ICT goods exports (% of total goods exports) 0.6 0.1 13.5 ICT goods imports (% of total goods imports) 6.9 5.2 16.2 ICT service exports (% of total service exports) 3.4 2.5 4.6 Applications		/		,
Price basket for mobile service (\$ a month) 11.4 10.5 Price basket for Internet service (\$ a month) 16.3 16.4 Price of call to United States (\$ for 3 minutes) 2.76 1.55 Trade 10.5 16.2 16.2 ICT goods exports (% of total goods exports) 0.6 0.1 13.5 ICT goods imports (% of total goods imports) 6.9 5.2 16.2 ICT service exports (% of total service exports) 3.4 2.5 4.6 Applications	Price basket for residential fixed line (\$ a month)		4.8	10.6
Price basket for Internet service (\$ a month) 16.3 16.4 Price of call to United States (\$ for 3 minutes) 2.76 1.55 Trade ICT goods exports (% of total goods exports) 0.6 0.1 13.5 ICT goods imports (% of total goods imports) 6.9 5.2 16.2 ICT service exports (% of total service exports) 3.4 2.5 4.6			11.4	10.9
Price of call to United States (\$ for 3 minutes) 2.76 1.55 Trade ICT goods exports (% of total goods exports) 0.6 0.1 13.5 ICT goods imports (% of total goods imports) 6.9 5.2 16.2 ICT service exports (% of total service exports) 3.4 2.5 4.6 Applications 6 6 6 6 6			16.3	16.4
Trade 0.6 0.1 13.5 ICT goods exports (% of total goods exports) 0.6 0.1 13.5 ICT goods imports (% of total goods imports) 6.9 5.2 16.2 ICT service exports (% of total service exports) 3.4 2.5 4.6 Applications 4.6 4.6 4.6		2.76		1.55
ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications4.6	Trade			
ICT goods imports (% of total goods imports)6.95.216.2ICT service exports (% of total service exports)3.42.54.6Applications4.6	ICT goods exports (% of total goods exports)	0.6	0.1	13.5
Applications	ICT goods imports (% of total goods imports)	6.9	5.2	16.2
	ICT service exports (% of total service exports)	3.4	2.5	4.6
	Applications			
ICT expenditure (% of GDP) 5.2	ICT expenditure (% of GDP)			5.2
E-gov't Web measure index (0-1, 1=highest presence) 0.32 0.37	E-gov't Web measure index (0-1, 1=highest presence)		0.32	0.37
Secure Internet servers (per million people) 0.5 2.0 26.2	Secure Internet servers (per million people)	0.5	2.0	26.2

Kenya

Sub-Saharan Africa

Low income

	Country	y data	Low- income group
	2000	2007	2007
Economic and social context			
Population (millions)	31	38	1,296
Urban population (% of total)	20	21	32
GNI per capita, World Bank Atlas method (\$)	420	640	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.2	4.4	5.6
Adult literacy rate (% ages 15 and older)	74		64
Gross primary, secondary, and tertiary enrollment (%)	53	61	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)		mixed	
International long distance service	м	С	
Mobile telephone service	P	P	
Internet service	C	C	
Efficiency and capacity Telecommunications revenue (% of GDP)	2.4	6.1	3.3
Mobile and fixed-line subscribers per employee	2.4	1,782	301
Telecommunications investment (% of revenue)	88.5	38.2	
Performance			
Access			
Telephone lines (per 100 people)	0.9	0.7	4.0
Mobile cellular subscriptions (per 100 people)	0.4	30.2	21.5
Internet subscribers (per 100 people)	0.1	0.5	0.8
Personal computers (per 100 people)	0.5	1.4	1.5
Households with a television (%)	15	39	16
Usage			
International voice traffic (minutes per person per month)	0.2	0.3	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.3	8.0	5.2
Quality			
Population covered by mobile cellular network (%)		77	54
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	9.5	3.4
International Internet bandwidth (bits per second per person	n) 0	9	26
Affordability			
Price basket for residential fixed line (\$ a month)	6.6	19.4	5.7
Price basket for mobile service (\$ a month)		17.8	11.2
Price basket for Internet service (\$ a month)		63.9	29.2
Price of call to United States (\$ for 3 minutes)	7.35	3.00	2.00
Trade			
ICT goods exports (% of total goods exports)	0.1	1.0	1.4
ICT goods imports (% of total goods imports)	5.3	5.6	6.7
ICT service exports (% of total service exports)	2.2	4.1	
Applications			
ICT expenditure (% of GDP)		8.2	
E-gov't Web measure index (0–1, 1=highest presence)		0.30	0.11
Secure Internet servers (per million people)	0.0	1.1	0.5

Kiribati

East Asia & Pacific

Lower middle income

East Asia & Pacific	Lower	midale	income
	Countr	v data	Lower middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	0.08	0.10	3,435
Urban population (% of total)	43	44	- ,
GNI per capita, World Bank Atlas method (\$)	1,130	1,120	
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	9.6	-0.5	,
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, and tertiary enrollment (%)	81	75	
Structure			
Separate telecommunications regulator		Yes	;
Status of main fixed-line telephone operator	Mixed	Public	:
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	M	
Mobile telephone service		P	•
Internet service		C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	9.2		3.1
Mobile and fixed-line subscribers per employee	28		624
Telecommunications investment (% of revenue)			25.3
Performance			
Access			
Telephone lines (per 100 people)	4.0	4.3	
Mobile cellular subscriptions (per 100 people)	0.4	0.7	
Internet subscribers (per 100 people)	0.6		
Personal computers (per 100 people)	1.0	1.1	
Households with a television (%)	22	26	79
Usage			
International voice traffic (minutes per person per month)	2.2		
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people) Quality	1.8	2.1	12.4
Population covered by mobile cellular network (%)			80
Fixed broadband subscribers (% of total Internet subscribers) 0.0		40.4
International Internet bandwidth (bits per second per person) 2		199
Affordability			
Price basket for residential fixed line (\$ a month)	11.6	13.0	7.2
Price basket for mobile service (\$ a month)		12.7	9.8
Price basket for Internet service (\$ a month)			16.7
Price of call to United States (\$ for 3 minutes)	6.98	8.82	2.08
Trade			
ICT goods exports (% of total goods exports)			20.6
ICT goods imports (% of total goods imports)		1.6	20.2
ICT service exports (% of total service exports)			15.6
Applications			
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0-1, 1=highest presence)		0.07	0.33
Secure Internet servers (per million people)			1.8

Korea, Dem. Rep.

East Asia & Pacific

Low income

	Country	y data	Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	23	24	1,296
Urban population (% of total)	60	62	32
GNI per capita, World Bank Atlas method (\$)			574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)			5.6
Adult literacy rate (% ages 15 and older)			64
Gross primary, secondary, and tertiary enrollment (%)			51
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.3
Mobile and fixed-line subscribers per employee			301
Telecommunications investment (% of revenue)			
Performance Access			
	2.2	F 0	4.0
Telephone lines (per 100 people)	2.2 0.0	5.0 0.0	
Mobile cellular subscriptions (per 100 people)			
Internet subscribers (per 100 people)	0.0	0.0	
Personal computers (per 100 people) Households with a television (%)			1.5 16
			10
Usage			
International voice traffic (minutes per person per month)			
Mobile telephone usage (minutes per user per month)			 5.2
Internet users (per 100 people) Quality	0.0	0.0	5.2
Population covered by mobile cellular network (%)	0	0	54
Fixed broadband subscribers (% of total Internet subscribers			3.4
•	·		3.4 26
International Internet bandwidth (bits per second per person Affordability	1)		20
Price basket for residential fixed line (\$ a month)			5.7
Price basket for mobile service (\$ a month)			11.2
Price basket for Internet service (\$ a month)			29.2
			29.2
Price of call to United States (\$ for 3 minutes)			2.00
Trade			1.4
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)			
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.02	
Secure Internet servers (per million people)			0.5

Korea, Rep.

	Country	y data	High- income group
	2000	2007	2007
Economic and social context			
Population (millions)	47	48	1,056
Urban population (% of total)	80	81	78
GNI per capita, World Bank Atlas method (\$)	9,800	19,730	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.5	4.7	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	90	97	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)		Thrace	
International long distance service	С	С	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity	4.1	5.0	3.1
Telecommunications revenue (% of GDP)			5.1 747
Mobile and fixed-line subscribers per employee	758	637	
Telecommunications investment (% of revenue)	37.4	16.2	14.3
Performance			
Access			
Telephone lines (per 100 people)	55.0	46.2	50.0
Mobile cellular subscriptions (per 100 people)	57.0	89.8	
Internet subscribers (per 100 people)	10.9	30.4	
Personal computers (per 100 people)	39.6	57.6	
Households with a television (%)	96	100	98
Usage			
International voice traffic (minutes per person per month)	3.2	2.4	14.0
Mobile telephone usage (minutes per user per month)	149	220	
Internet users (per 100 people)	40.5	75.9	65.7
Quality Population covered by mobile cellular network (%)	99	90	99
Fixed broadband subscribers (% of total Internet subscribers		100.0	82.6
International Internet bandwidth (bits per second per persor		1,027	18,242
Affordability	1) 40	1,021	10,242
Price basket for residential fixed line (\$ a month)	7.1	7.8	26.1
Price basket for mobile service (\$ a month)		18.3	
Price basket for Internet service (\$ a month)		10.0	22.8
Price of call to United States (\$ for 3 minutes)	1.93	0.76	
Trade	1.55	0.70	0.01
ICT goods exports (% of total goods exports)	35.7	27.2	15.2
ICT goods imports (% of total goods imports)	24.4	16.5	
ICT service exports (% of total service exports)	1.3	10.5	7.0
Applications	1.5	1.4	1.0
ICT expenditure (% of GDP)		7.1	6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.82	0.60
Secure Internet servers (per million people)	7.3	695.7	662.6
Secure internet servers (per minion people)	1.5	093.7	002.0

Kuwait

	Country	y data	High- income group
	2000	2007	2007
Economic and social context			
Population (millions)	2	3	1,056
Urban population (% of total)	98	98	78
GNI per capita, World Bank Atlas method (\$)	16,790	38,420	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.8	9.2	2.4
Adult literacy rate (% ages 15 and older)		94	99
Gross primary, secondary, and tertiary enrollment (%)	78	75	92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	М	
Mobile telephone service	Р	М	
Internet service	Р	Р	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.7	3.5	3.1
Mobile and fixed-line subscribers per employee	123	372	
Telecommunications investment (% of revenue)	19.7	27.0	
Performance			
Access			
Telephone lines (per 100 people)	21.3	19.9	50.0
Mobile cellular subscriptions (per 100 people)	21.7	104.2	100.4
Internet subscribers (per 100 people)		11.2	25.8
Personal computers (per 100 people)	11.4	23.7	67.4
Households with a television (%)	95	95	98
Usage			
International voice traffic (minutes per person per month)	13.5		14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	6.8	33.8	65.7
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscribers	5)	8.8	82.6
International Internet bandwidth (bits per second per persor	n) 26	871	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	9.9	10.6	26.1
Price basket for mobile service (\$ a month)		75.0	13.0
Price basket for Internet service (\$ a month)		22.3	22.8
Price of call to United States (\$ for 3 minutes)	1.94	1.51	0.81
Trade			
ICT goods exports (% of total goods exports)	0.0		15.2
ICT goods imports (% of total goods imports)	6.3		14.6
ICT service exports (% of total service exports)		48.4	7.0
Applications			
ICT expenditure (% of GDP)		4.5	
E-gov't Web measure index (0–1, 1=highest presence)		0.41	
Secure Internet servers (per million people)	1.8	64.9	662.6

Kyrgyz Republic

Europe & Central Asia

Low income

	Country	y data	Low- income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	5	1,296
Urban population (% of total)	35	36	32
GNI per capita, World Bank Atlas method (\$)	280	610	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.4	4.1	5.6
Adult literacy rate (% ages 15 and older)	99	99	64
Gross primary, secondary, and tertiary enrollment (%)	76	78	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)		
International long distance service	, М	С	
Mobile telephone service	Р	C	
Internet service	Р	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	4.8	3.3
Mobile and fixed-line subscribers per employee	53	311	301
Telecommunications investment (% of revenue)	8.0	3.2	
Performance Access			
Telephone lines (per 100 people)	7.7	9.2	4.0
Mobile cellular subscriptions (per 100 people)	0.2	41.4	21.5
Internet subscribers (per 100 people)	0.1	0.4	0.8
Personal computers (per 100 people)	0.5	1.9	1.5
Households with a television (%) Usage	84		16
International voice traffic (minutes per person per month)	1.0	2.5	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	1.0	14.3	5.2
Quality Population covered by mobile cellular network (%)		24	54
Fixed broadband subscribers (% of total Internet subscriber		14.6	3.4
International Internet bandwidth (bits per second per perso		114	26
Affordability			
Price basket for residential fixed line (\$ a month)	5.3	4.7	5.7
Price basket for mobile service (\$ a month)		6.4	11.2
Price basket for Internet service (\$ a month)		12.0	29.2
Price of call to United States (\$ for 3 minutes)	9.84	5.40	2.00
Trade			
ICT goods exports (% of total goods exports)	0.8	0.8	1.4
ICT goods imports (% of total goods imports)	4.6	5.1	6.7
ICT service exports (% of total service exports)	15.7	1.9	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0-1, 1=highest presence)		0.30	0.11
		0.00	0.11

Lao PDR

East Asia & Pacific

Low income

	Country	y data	Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	5	6	1,296
Urban population (% of total)	22	30	32
GNI per capita, World Bank Atlas method (\$)	290	630	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	6.1	6.7	5.6
Adult literacy rate (% ages 15 and older)	69	73	64
Gross primary, secondary, and tertiary enrollment (%)	57	61	51
Structure			
Separate telecommunications regulator		Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Р	
Mobile telephone service	М	Р	
Internet service		Р	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	1.7	3.3
Mobile and fixed-line subscribers per employee	47	748	301
Telecommunications investment (% of revenue)	31.3	63.0	
Performance			
Access			
Telephone lines (per 100 people)	0.8	1.6	
Mobile cellular subscriptions (per 100 people)	0.2	25.2	
Internet subscribers (per 100 people)	0.0	0.1	
Personal computers (per 100 people)	0.3	1.8	
Households with a television (%)	30	30	16
Usage			
International voice traffic (minutes per person per month)	0.4	0.6	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.1	1.7	5.2
Quality			- 4
Population covered by mobile cellular network (%)		55	54
Fixed broadband subscribers (% of total Internet subscribers		65.7	
International Internet bandwidth (bits per second per person	ı) O	32	26
Affordability		2.5	F 7
Price basket for residential fixed line (\$ a month)		3.5	
Price basket for mobile service (\$ a month)		3.8	
Price basket for Internet service (\$ a month)		27.6	
Price of call to United States (\$ for 3 minutes)	9.20	1.11	2.00
Trade			
ICT goods exports (% of total goods exports)			1.4
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)			
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.04	0.11
Secure Internet servers (per million people)		0.2	0.5

Latvia

Europe & Central Asia	Upper	middle	income
· ·			Upper
	Countr	y data	middle- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	2	2	824
Urban population (% of total)	68	68	75
GNI per capita, World Bank Atlas method (\$)	3,220	9,920	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.7	9.0	4.3
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, and tertiary enrollment (%)	84	90	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	C	
Mobile telephone service	С	C	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	4.0	3.3
Mobile and fixed-line subscribers per employee	263	697	566
Telecommunications investment (% of revenue)	20.9		
Performance			
Access			
Telephone lines (per 100 people)	31.0	28.3	
Mobile cellular subscriptions (per 100 people)	16.9	97.4	
Internet subscribers (per 100 people)	1.4	6.4	
Personal computers (per 100 people)	14.3	32.7	
Households with a television (%) Usage	81	80	92
International voice traffic (minutes per person per month)	5.1	5.6	
Mobile telephone usage (minutes per user per month)	0.1	0.0	137
Internet users (per 100 people)	6.3	55.0	
Quality	0.0	00.0	20.0
Population covered by mobile cellular network (%)	89	99	95
Fixed broadband subscribers (% of total Internet subscribers	s) 0.8	100.1	47.8
International Internet bandwidth (bits per second per person	ı) 65	3,537	1,185
Affordability Price basket for residential fixed line (\$ a month)	12.5	13.3	10.6
Price basket for mobile service (\$ a month)		9.3	
Price basket for Internet service (\$ a month)		9.3 12.6	
Price of call to United States (\$ for 3 minutes)	2.05	1.63	
Trade	2.05	1.05	1.55
ICT goods exports (% of total goods exports)	1.7	3.4	13.5
ICT goods imports (% of total goods imports)	7.7	5.4 6.9	
ICT service exports (% of total service exports)	3.5	4.9	
Applications	3.5	4.9	4.0
ICT expenditure (% of GDP)			5.2
E-gov't Web measure index (0–1, 1=highest presence)		0.45	
Secure Internet servers (per million people)	 18.2	98.0	
	10.2	30.0	20.2

Lebanon

Middle East & North Africa

Upper middle income

—	Country 2000 4 86 4,580 2.3 78 Public M C 3.5 210 15.3 19.7	y data 2007 4 87 5,800 3.3 90 85 Public M M C 8.0 17.0 30.8	755 7,107 4.3 94 82 3.3 566
2 Economic and social context Population (millions) Urban population (% of total) GNI per capita, <i>World Bank Atlas</i> method (\$) GDP growth, 1995-2000 and 2000-07 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, and tertiary enrollment (%) Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	2000 4 86 4,580 2.3 78 Public M C 3.5 210 15.3	2007 4 87 5,800 3.3 90 85 Yes Public M M M C C 8.0 17.0	2007 824 75 7,107 4.3 94 82
Population (millions) Urban population (% of total) GNI per capita, <i>World Bank Atlas</i> method (\$) GDP growth, 1995-2000 and 2000-07 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, and tertiary enrollment (%) Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	86 4,580 2.3 78 Public M C 3.5 210 15.3	87 5,800 3.3 90 85 Public M M M C C 8.0 17.0	755 7,107 4.3 94 82 3.3 566
Population (millions) Urban population (% of total) GNI per capita, <i>World Bank Atlas</i> method (\$) GDP growth, 1995-2000 and 2000-07 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, and tertiary enrollment (%) Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	86 4,580 2.3 78 Public M C 3.5 210 15.3	87 5,800 3.3 90 85 Public M M M C C 8.0 17.0	755 7,107 4.3 94 82 3.3 566
Urban population (% of total) GNI per capita, <i>World Bank Atlas</i> method (\$) GDP growth, 1995-2000 and 2000-07 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, and tertiary enrollment (%) Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	4,580 2.3 78 Public M C 3.5 210 15.3	5,800 3.3 90 85 Public M M M C C 8.0 17.0	7,107 4.3 94 82 3.3 566
GNI per capita, <i>World Bank Atla</i> s method (\$) GDP growth, 1995-2000 and 2000-07 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, and tertiary enrollment (%) Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	4,580 2.3 78 Public M C 3.5 210 15.3	3.3 90 85 Public M M C C 8.0 17.0	4.3 94 82 3.3 566
GDP growth, 1995-2000 and 2000-07 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, and tertiary enrollment (%) Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	2.3 78 Public M C 3.5 210 15.3	3.3 90 85 Public M M C C 8.0 17.0	4.3 94 82 3.3 566
Adult literacy rate (% ages 15 and older) Gross primary, secondary, and tertiary enrollment (%) Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	78 Public M C 3.5 210 15.3	85 Public M M C C 8.0 17.0	82 3.3 566
Gross primary, secondary, and tertiary enrollment (%) Structure Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	 Public M C 3.5 210 15.3	Yes Public M M C C 8.0 17.0	3.3 566
Separate telecommunications regulator Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	Public M C 3.5 210 15.3	Public M M C 8.0 17.0	3.3 566
Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	Public M C 3.5 210 15.3	Public M M C 8.0 17.0	3.3 566
Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	M C 3.5 210 15.3	M M C 8.0 17.0	3.3 566
International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	 C 3.5 210 15.3	M C 8.0 17.0	3.3 566
Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	 C 3.5 210 15.3	M C 8.0 17.0	3.3 566
Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	C 3.5 210 15.3	8.0 17.0	3.3 566
Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	3.5 210 15.3	8.0 17.0	3.3 566
Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	210 15.3	17.0	566
Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	210 15.3	17.0	566
Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)			
Performance Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)	15.3	17.0	
Access Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)			22.6
Telephone lines (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)			22.6
Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people)			22.6
Internet subscribers (per 100 people)	19.7	20.0	
Personal computers (per 100 people)	2.2	6.3	
	4.6	10.4	
Households with a television (%)	92	95	92
Usage			
International voice traffic (minutes per person per month)	9.0	23.3	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	8.0	38.3	26.6
Quality		100	95
Population covered by mobile cellular network (%)		76.9	
Fixed broadband subscribers (% of total Internet subscribers)	0.0	227	
International Internet bandwidth (bits per second per person) Affordability	10	221	1,185
Price basket for residential fixed line (\$ a month)	21.3	15.0	10.6
Price basket for mobile service (\$ a month)		20.1	
Price basket for Internet service (\$ a month)		10.0	
Price of call to United States (\$ for 3 minutes)	 4.48	2.19	
Trade	4.40	2.19	1.55
ICT goods exports (% of total goods exports)	1.6	1.2	13.5
ICT goods imports (% of total goods imports)	4.5	4.0	
ICT service exports (% of total service exports)	4.5	2.2	
Applications	1.4	2.2	4.0
ICT expenditure (% of GDP)			5.2
E-gov't Web measure index (0–1, 1=highest presence)		0.39	
Secure Internet servers (per million people)	5.0	13.0	0.01

Lesotho

Sub-Saharan Africa

Lower middle income

Sub-Saharan Africa	Lower middle		Lower middle income		income
	Country	y data	Lower middle- income group		
-	2000	2007	2007		
Economic and social context					
Population (millions)	2	2	3,435		
Urban population (% of total)	20	25	42		
GNI per capita, World Bank Atlas method (\$)	600	1,030	1,905		
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.3	3.8	8.0		
Adult literacy rate (% ages 15 and older)	82		83		
Gross primary, secondary, and tertiary enrollment (%)	62	66	68		
Structure					
Separate telecommunications regulator	Yes	Yes			
Status of main fixed-line telephone operator	Public	Mixed			
Level of competition (competition, partial comp., monopoly)					
International long distance service	М	C			
Mobile telephone service	М	C			
Internet service		C			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	1.4	0.6	3.1		
Mobile and fixed-line subscribers per employee	126	1,111	624		
Telecommunications investment (% of revenue)	9.8	20.9	25.3		
Performance					
Access					
Telephone lines (per 100 people)	1.2	2.7	15.3		
Mobile cellular subscriptions (per 100 people)	1.1	22.7	38.9		
Internet subscribers (per 100 people)	0.1	0.1	6.0		
Personal computers (per 100 people)	0.1	0.3	4.6		
Households with a television (%)	12	13	79		
Usage International voice traffic (minutes per person per month)		1.5			
Mobile telephone usage (minutes per user per month)		1.0			
Internet users (per 100 people)	0.2	3.5			
Quality	0.2	0.0	12.7		
Population covered by mobile cellular network (%)	21	55	80		
Fixed broadband subscribers (% of total Internet subscribers) 0.0	1.8	40.4		
International Internet bandwidth (bits per second per person) 0	2	199		
Affordability					
Price basket for residential fixed line (\$ a month)	9.7	14.5	7.2		
Price basket for mobile service (\$ a month)		14.0	9.8		
Price basket for Internet service (\$ a month)		77.5	16.7		
Price of call to United States (\$ for 3 minutes)	2.31	3.28	2.08		
Trade					
ICT goods exports (% of total goods exports)					
ICT goods imports (% of total goods imports)					
ICT service exports (% of total service exports)			15.6		
Applications			0.5		
ICT expenditure (% of GDP)		0.24			
E-gov't Web measure index (0–1, 1=highest presence)		0.34			
Secure Internet servers (per million people)		0.5	1.8		

Liberia

Sub-Saharan Africa

Low income

	Country	Country data		Country data		Country data	
-	2000	2007	group 2007				
Economic and social context							
Population (millions)	3	4	1,296				
Urban population (% of total)	54	59	32				
GNI per capita, World Bank Atlas method (\$)	130	140	574				
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	38.9	-2.7	5.6				
Adult literacy rate (% ages 15 and older)		56	64				
Gross primary, secondary, and tertiary enrollment (%)	57		51				
Structure							
Separate telecommunications regulator		Yes					
Status of main fixed-line telephone operator	Public	Public					
Level of competition (competition, partial comp., monopoly)							
International long distance service	М						
Mobile telephone service		Р					
Internet service		С					
Efficiency and capacity							
Telecommunications revenue (% of GDP)		8.2	3.3				
Mobile and fixed-line subscribers per employee			301				
Telecommunications investment (% of revenue)							
Performance							
Access		0.4					
Telephone lines (per 100 people)	0.2	0.1					
Mobile cellular subscriptions (per 100 people)	0.0	15.2					
Internet subscribers (per 100 people)		0.4	0.8 1.5				
Personal computers (per 100 people)			1.5 16				
Households with a television (%) Usage			10				
International voice traffic (minutes per person per month)							
Mobile telephone usage (minutes per user per month)							
Internet users (per 100 people)	0.0	0.5	5.2				
Quality							
Population covered by mobile cellular network (%)		16	54				
Fixed broadband subscribers (% of total Internet subscribers	s)		3.4				
International Internet bandwidth (bits per second per persor	ı) O		26				
Affordability							
Price basket for residential fixed line (\$ a month)			5.7				
Price basket for mobile service (\$ a month)			11.2				
Price basket for Internet service (\$ a month)			29.2				
Price of call to United States (\$ for 3 minutes)			2.00				
Trade							
ICT goods exports (% of total goods exports)			1.4				
ICT goods imports (% of total goods imports)			6.7				
ICT service exports (% of total service exports)							
Applications							
ICT expenditure (% of GDP)							
E-gov't Web measure index (0–1, 1=highest presence)		0.11	0.11				
Secure Internet servers (per million people)			0.5				

Libya

Middle East & North Africa	Upper	middle	income
	Countr	y data	Upper middle- income group
	2000	2007	2007
Economic and social context			
Population (millions)	5	6	824
Urban population (% of total)	76	77	75
GNI per capita, World Bank Atlas method (\$)		9,010	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)		3.7	4.3
Adult literacy rate (% ages 15 and older)		87	94
Gross primary, secondary, and tertiary enrollment (%)	95	94	82
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Μ	
Mobile telephone service	М	Μ	
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.3
Mobile and fixed-line subscribers per employee	46		566
Telecommunications investment (% of revenue)			
Performance			
Access			
Telephone lines (per 100 people)	11.3	14.4	22.6
Mobile cellular subscriptions (per 100 people)	0.7	73.1	84.1
Internet subscribers (per 100 people)		1.4	
Personal computers (per 100 people)	2.4	2.2	
Households with a television (%) Usage	95	50	92
International voice traffic (minutes per person per month)		5.5	
Mobile telephone usage (minutes per user per month)		0.0	 137
Internet users (per 100 people)	 0.2	 4.3	
Quality	0.2	4.0	20.0
Population covered by mobile cellular network (%)		71	95
Fixed broadband subscribers (% of total Internet subscribers	s)	11.7	47.8
International Internet bandwidth (bits per second per person	ı) O	50	1,185
Affordability			
Price basket for residential fixed line (\$ a month)		1.9	10.6
Price basket for mobile service (\$ a month)		6.1	10.9
Price basket for Internet service (\$ a month)		22.1	16.4
Price of call to United States (\$ for 3 minutes)			1.55
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)	2.3	2.5	4.6
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.08	
Secure Internet servers (per million people)		0.5	26.2

Liechtenstein

	Country	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	0.03	0.04	1,056
Urban population (% of total)	15	14	78
GNI per capita, World Bank Atlas method (\$)			37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)			2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)		86	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator		Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	С	
Mobile telephone service		Р	
Internet service		С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.1
Mobile and fixed-line subscribers per employee	301	369	747
Telecommunications investment (% of revenue)			14.3
Performance			
Access			
Telephone lines (per 100 people)	61.5	55.5	50.0
Mobile cellular subscriptions (per 100 people)	30.6	90.8	100.4
Internet subscribers (per 100 people)	24.5	47.4	25.8
Personal computers (per 100 people)			67.4
Households with a television (%)	98	94	98
Usage			
International voice traffic (minutes per person per month)	251.4	173.2	14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	36.8	65.2	65.7
Quality			
Population covered by mobile cellular network (%)	90	95	99
Fixed broadband subscribers (% of total Internet subscribers	s) 10.3	83.8	82.6
International Internet bandwidth (bits per second per persor	ı)	4,253	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	20.8	10.8	26.1
Price basket for mobile service (\$ a month)			13.0
Price basket for Internet service (\$ a month)			22.8
Price of call to United States (\$ for 3 minutes)			0.81
Trade			
ICT goods exports (% of total goods exports)			15.2
ICT goods imports (% of total goods imports)			14.6
ICT service exports (% of total service exports)			7.0
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0-1, 1=highest presence)		0.19	0.60
Secure Internet servers (per million people)	542.3	3,012.1	662.6

Lithuania

Europe & Central Asia Upper middle income Upper middleincome **Country data** group 2000 2007 2007 Economic and social context 3 824 Population (millions) 3 Urban population (% of total) 67 67 75 GNI per capita, World Bank Atlas method (\$) 3,170 9,770 7,107 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.2 8.0 4.3 Adult literacy rate (% ages 15 and older) 100 100 94 Gross primary, secondary, and tertiary enrollment (%) 88 91 82 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Mixed Private Level of competition (competition, partial comp., monopoly) International long distance service М С Mobile telephone service С Ρ С С Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 23 31 33 Mobile and fixed-line subscribers per employee 283 566 Telecommunications investment (% of revenue) 49.8 18.4 Performance Access Telephone lines (per 100 people) 33.9 23.7 22.6 Mobile cellular subscriptions (per 100 people) 15.0 145.8 841 Internet subscribers (per 100 people) 1.5 15.2 9.4 Personal computers (per 100 people) 6.9 18.3 124 Households with a television (%) 87 98 92 Usage International voice traffic (minutes per person per month) 3.6 4.5 Mobile telephone usage (minutes per user per month) 103 137 Internet users (per 100 people) 64 49.2 26.6 **Ouality** Population covered by mobile cellular network (%) 100 100 95 Fixed broadband subscribers (% of total Internet subscribers) 98.9 47.8 0.0 International Internet bandwidth (bits per second per person) 14 4,656 1,185 Affordability Price basket for residential fixed line (\$ a month) 95 17.7 10.6 Price basket for mobile service (\$ a month) 8.9 10.9 Price basket for Internet service (\$ a month) 7.3 16.4 Price of call to United States (\$ for 3 minutes) 1.55 1.55 3.10 Trade ICT goods exports (% of total goods exports) 52 48 13 5 ICT goods imports (% of total goods imports) 5.6 6.4 16.2 ICT service exports (% of total service exports) 48 3.1 46 Applications 5.2 ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.61 0.37

Secure Internet servers (per million people)

12.4

83.4

26.2

Luxembourg

	Country	Country data ⁱ		Country data in	High- income group
	2000	2007	2007		
Economic and social context					
Population (millions)	0.44	0.48	1,056		
Urban population (% of total)	84	83	78		
GNI per capita, World Bank Atlas method (\$)	43,490	72,430	37,572		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	6.4	4.2	2.4		
Adult literacy rate (% ages 15 and older)			99		
Gross primary, secondary, and tertiary enrollment (%)	74	77	92		
Structure					
Separate telecommunications regulator	Yes	Yes			
Status of main fixed-line telephone operator	Public	Public			
Level of competition (competition, partial comp., monopoly)					
International long distance service	С	С			
Mobile telephone service	Р	С			
Internet service	С	C			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	1.4	1.4	3.1		
Mobile and fixed-line subscribers per employee	622	631			
Telecommunications investment (% of revenue)	20.3	18.2			
Performance					
Access					
Telephone lines (per 100 people)	56.8	51.7	50.0		
Mobile cellular subscriptions (per 100 people)	69.2	125.9	100.4		
Internet subscribers (per 100 people)	5.6	28.9	25.8		
Personal computers (per 100 people)	45.7	67.3	67.4		
Households with a television (%)	99	99	98		
Usage					
International voice traffic (minutes per person per month)			14.0		
Mobile telephone usage (minutes per user per month)			353		
Internet users (per 100 people)	22.8	75.8			
Quality					
Population covered by mobile cellular network (%)	98	99	99		
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	92.6	82.6		
International Internet bandwidth (bits per second per persor	n) 687	19,994	18,242		
Affordability					
Price basket for residential fixed line (\$ a month)	20.5	29.2	26.1		
Price basket for mobile service (\$ a month)		11.5	13.0		
Price basket for Internet service (\$ a month)		27.6	22.8		
Price of call to United States (\$ for 3 minutes)	15.96		0.81		
Trade					
ICT goods exports (% of total goods exports)	14.9	8.1	15.2		
ICT goods imports (% of total goods imports)	12.7	8.0	14.6		
ICT service exports (% of total service exports)	4.2	5.2	7.0		
Applications					
ICT expenditure (% of GDP)			6.7		
E-gov't Web measure index (0-1, 1=highest presence)		0.61	0.60		
Secure Internet servers (per million people)	120.6	912.4	662.6		

Macao, China

High income

	Country	Country data		Country data	
	2000	2007	group 2007		
Economic and social context					
Population (millions)	0.44	0.48	1,056		
Urban population (% of total)	100	100	78		
GNI per capita, World Bank Atlas method (\$)	14,250		37,572		
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	-1.1	15.2	2.4		
Adult literacy rate (% ages 15 and older)	91	93	99		
Gross primary, secondary, and tertiary enrollment (%)	76	89	92		
Structure					
Separate telecommunications regulator		No			
Status of main fixed-line telephone operator					
Level of competition (competition, partial comp., monopoly					
International long distance service	, 				
Mobile telephone service					
Internet service					
Efficiency and capacity Telecommunications revenue (% of GDP)	3.3	2.3	3.1		
Mobile and fixed-line subscribers per employee	317	821	747		
Telecommunications investment (% of revenue)	14.1	15.8	14.3		
	1	10.0			
Performance					
Access					
Telephone lines (per 100 people)	40.1	37.1	50.0		
Mobile cellular subscriptions (per 100 people)	32.0	165.4	100.4		
Internet subscribers (per 100 people)	6.3	25.4	25.8		
Personal computers (per 100 people)	15.9	40.2	67.4		
Households with a television (%)	79	96	98		
Usage	40.4	00.4	110		
International voice traffic (minutes per person per month)	48.4	28.1	14.0		
Mobile telephone usage (minutes per user per month)			353		
Internet users (per 100 people)	13.6	49.6	65.7		
Quality Population covered by mobile cellular network (%)	100	100	99		
Fixed broadband subscribers (% of total Internet subscriber		90.5	82.6		
International Internet bandwidth (bits per second per perso		9,279	18,242		
Affordability	,	-,	,		
Price basket for residential fixed line (\$ a month)	9.2	8.8	26.1		
Price basket for mobile service (\$ a month)		16.8			
Price basket for Internet service (\$ a month)		11.8	22.8		
Price of call to United States (\$ for 3 minutes)	1.12	1.12	0.81		
Trade					
ICT goods exports (% of total goods exports)	4.3	4.4	15.2		
ICT goods imports (% of total goods imports)	7.2	9.6	14.6		
ICT service exports (% of total service exports)	0.9	0.5	7.0		
Applications			-		
ICT expenditure (% of GDP)			6.7		
E-gov't Web measure index (0-1, 1=highest presence)			0.60		
Secure Internet servers (per million people)					

Macedonia, FYR

Europe & Central Asia

Lower middle income

			Lower middle- income	
-	2000	2007	group 2007	
Economic and social context				
Population (millions)	2	2	3,435	
Urban population (% of total)	63	66	-,	
GNI per capita, <i>World Bank Atlas</i> method (\$)	1,840	3,470		
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.0	2.7		
Adult literacy rate (% ages 15 and older)	96	97		
Gross primary, secondary, and tertiary enrollment (%)	69	70		
Structure				
Separate telecommunications regulator		Yes		
Status of main fixed-line telephone operator	Public	Mixed		
Level of competition (competition, partial comp., monopoly)				
International long distance service	М	М		
Mobile telephone service	М	С		
Internet service	С	С		
Efficiency and capacity				
Telecommunications revenue (% of GDP)	5.2	6.8		
Mobile and fixed-line subscribers per employee	168	1,065		
Telecommunications investment (% of revenue)	26.7	42.5	25.3	
Performance				
Access	05.0		45.0	
Telephone lines (per 100 people)	25.2	22.8		
Mobile cellular subscriptions (per 100 people)	5.8	95.6		
Internet subscribers (per 100 people)	1.5	13.4		
Personal computers (per 100 people)	3.6	36.8		
Households with a television (%) Usage	85	98	79	
International voice traffic (minutes per person per month)	9.9	10.4		
Mobile telephone usage (minutes per user per month)		85	322	
Internet users (per 100 people)	2.5	27.3	12.4	
Quality				
Population covered by mobile cellular network (%)	90	100	80	
Fixed broadband subscribers (% of total Internet subscribers	5)	36.7	40.4	
International Internet bandwidth (bits per second per person	ı) 25	17	199	
Affordability				
Price basket for residential fixed line (\$ a month)	5.3	10.5	7.2	
Price basket for mobile service (\$ a month)		14.8	9.8	
Price basket for Internet service (\$ a month)		33.8	16.7	
Price of call to United States (\$ for 3 minutes)	3.95		2.08	
Trade				
ICT goods exports (% of total goods exports)	0.3	0.4		
ICT goods imports (% of total goods imports)	4.4	4.4		
ICT service exports (% of total service exports)	12.7	14.1	15.6	
Applications				
ICT expenditure (% of GDP)			6.5	
E-gov't Web measure index (0–1, 1=highest presence)		0.36		
Secure Internet servers (per million people)		11.8	1.8	

Madagascar

Sub-Saharan Africa

Low income

	Country data		Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	16	20	1,296
Urban population (% of total)	27	29	32
GNI per capita, World Bank Atlas method (\$)	240	320	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.9	3.2	5.6
Adult literacy rate (% ages 15 and older)	71		64
Gross primary, secondary, and tertiary enrollment (%)	43	60	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly))		
International long distance service	С	Р	
Mobile telephone service	С	Р	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	10.3	3.9	3.3
Mobile and fixed-line subscribers per employee	44	394	301
Telecommunications investment (% of revenue)	14.0	32.8	
Performance Access			
Telephone lines (per 100 people)	0.3	0.7	4.0
Mobile cellular subscriptions (per 100 people)	0.4	11.3	21.5
Internet subscribers (per 100 people)	0.1	0.1	
Personal computers (per 100 people)	0.2	0.5	
Households with a television (%) Usage	12	18	16
International voice traffic (minutes per person per month)	0.2	0.1	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.2	0.6	5.2
Quality Population covered by mobile cellular network (%)	21	23	54
Fixed broadband subscribers (% of total Internet subscribers		18.5	
International Internet bandwidth (bits per second per person	'	8	
Affordability		0	20
Price basket for residential fixed line (\$ a month)	11.3	10.5	5.7
Price basket for mobile service (\$ a month)		10.2	•
Price basket for Internet service (\$ a month)		28.9	
Price of call to United States (\$ for 3 minutes)	8.98	0.59	
Trade	0.00	0.00	2.00
ICT goods exports (% of total goods exports)	0.9	0.5	1.4
ICT goods imports (% of total goods imports)	3.4	4.7	
ICT service exports (% of total service exports)		0.5	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.24	0.11
Secure Internet servers (per million people)		0.2	0.5

Malawi

Sub-Saharan Africa

Low income

	Country	Country data		Country data		Country data	
-	2000	2007	group 2007				
Economic and social context							
Population (millions)	12	14	1,296				
Urban population (% of total)	15	18	32				
GNI per capita, World Bank Atlas method (\$)	150	250	574				
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.8	3.3	5.6				
Adult literacy rate (% ages 15 and older)	64	72	64				
Gross primary, secondary, and tertiary enrollment (%)	69	63	51				
Structure							
Separate telecommunications regulator	Yes	Yes					
Status of main fixed-line telephone operator	Public	Mixed					
Level of competition (competition, partial comp., monopoly)							
International long distance service	М	М					
Mobile telephone service	М	С					
Internet service	С	C					
Efficiency and capacity							
Telecommunications revenue (% of GDP)	1.7	3.3	3.3				
Mobile and fixed-line subscribers per employee	33	0.0	301				
Telecommunications investment (% of revenue)							
Performance							
Access							
Telephone lines (per 100 people)	0.4	1.3	4.0				
Mobile cellular subscriptions (per 100 people)	0.4	7.5	21.5				
Internet subscribers (per 100 people)	0.0	0.6	0.8				
Personal computers (per 100 people)	0.1	0.2	1.5				
Households with a television (%)	1	5	16				
Usage							
International voice traffic (minutes per person per month)	0.2						
Mobile telephone usage (minutes per user per month)							
Internet users (per 100 people)	0.1	1.0	5.2				
Quality							
Population covered by mobile cellular network (%)	20	93					
Fixed broadband subscribers (% of total Internet subscribers		1.9					
International Internet bandwidth (bits per second per persor	ı) O	5	26				
Affordability							
Price basket for residential fixed line (\$ a month)	5.8	1.7					
Price basket for mobile service (\$ a month)		10.5					
Price basket for Internet service (\$ a month)		52.7					
Price of call to United States (\$ for 3 minutes)	4.32		2.00				
Trade							
ICT goods exports (% of total goods exports)	0.2	0.4					
ICT goods imports (% of total goods imports)	4.6	3.8	6.7				
ICT service exports (% of total service exports)							
Applications							
ICT expenditure (% of GDP)							
E-gov't Web measure index (0–1, 1=highest presence)		0.22					
Secure Internet servers (per million people)		0.1	0.5				

Malaysia

East Asia & Pacific

Upper middle income

East Asia & Pacific	Opper middle		ne income	
	Country	v data	Upper middle- income	
-	2000	2007	group 2007	
Economic and social context				
Population (millions)	23	27	824	
Urban population (% of total)	62	69	75	
GNI per capita, World Bank Atlas method (\$)	3,450	6,420	7,107	
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.7	5.4	4.3	
Adult literacy rate (% ages 15 and older)	89	92	94	
Gross primary, secondary, and tertiary enrollment (%)	70	74	82	
Structure				
Separate telecommunications regulator	Yes	Yes		
Status of main fixed-line telephone operator	Mixed	Mixed	1	
Level of competition (competition, partial comp., monopoly)				
International long distance service	Р	С		
Mobile telephone service	Р	С		
Internet service	С	C		
Efficiency and capacity				
Telecommunications revenue (% of GDP)	4.1	4.6	3.3	
Mobile and fixed-line subscribers per employee	394	571	566	
Telecommunications investment (% of revenue)	27.7	22.5		
Performance				
Access				
Telephone lines (per 100 people)	19.9	16.4		
Mobile cellular subscriptions (per 100 people)	22.0	87.9		
Internet subscribers (per 100 people)	7.1	18.6		
Personal computers (per 100 people)	9.5	23.1		
Households with a television (%) Usage	82	95	92	
International voice traffic (minutes per person per month)	5.2			
Mobile telephone usage (minutes per user per month)	204	199	137	
Internet users (per 100 people) Quality	21.4	55.7	26.6	
Population covered by mobile cellular network (%)	95	93	95	
Fixed broadband subscribers (% of total Internet subscribers		20.5		
International Internet bandwidth (bits per second per person		998		
Affordability	,		_,	
Price basket for residential fixed line (\$ a month)		8.5	10.6	
Price basket for mobile service (\$ a month)		5.5		
Price basket for Internet service (\$ a month)		9.3		
Price of call to United States (\$ for 3 minutes)	2.37	0.71		
Trade				
ICT goods exports (% of total goods exports)	56.6	41.5	13.5	
ICT goods imports (% of total goods imports)	45.8	36.0	16.2	
ICT service exports (% of total service exports)	1.9	4.9	4.6	
Applications				
ICT expenditure (% of GDP)		6.8	5.2	
E-gov't Web measure index (0-1, 1=highest presence)		0.68	0.37	
Secure Internet servers (per million people)	6.1	27.3	26.2	

Maldives

South Asia

Lower middle income

South Asia	LOWCI	inituale	meonic
	Countr	v data	Lower middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	0.27	0.31	3,435
Urban population (% of total)	28	37	- /
GNI per capita, World Bank Atlas method (\$)	2,140	3,190	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	8.5	6.8	,
Adult literacy rate (% ages 15 and older)	96	97	
Gross primary, secondary, and tertiary enrollment (%)	77	66	
Structure			
Separate telecommunications regulator	No	Yes	;
Status of main fixed-line telephone operator	Mixed	Mixed	1
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	М	P	•
Internet service	М	P	,
Efficiency and capacity			
Telecommunications revenue (% of GDP)	8.5	12.7	3.1
Mobile and fixed-line subscribers per employee	60	353	624
Telecommunications investment (% of revenue)	21.6	15.2	25.3
Performance			
Access			
Telephone lines (per 100 people)	9.0	10.8	15.3
Mobile cellular subscriptions (per 100 people)	2.8	102.7	38.9
Internet subscribers (per 100 people)	0.4	4.0	6.0
Personal computers (per 100 people)	3.7	20.0	
Households with a television (%)	57		79
Usage			
International voice traffic (minutes per person per month)	3.9	7.6	
Mobile telephone usage (minutes per user per month)			322
Internet users (per 100 people)	2.2	10.8	12.4
Quality Population covered by mobile cellular network (%)	40	103	80
Fixed broadband subscribers (% of total Internet subscribers		89.4	
International Internet bandwidth (bits per second per person		4,061	
Affordability	, 11	4,001	155
Price basket for residential fixed line (\$ a month)	8.8	6.4	7.2
Price basket for mobile service (\$ a month)		3.8	
Price basket for Internet service (\$ a month)		50.8	
Price of call to United States (\$ for 3 minutes)	 11.72	5.86	
Trade	11.72	5.00	2.00
ICT goods exports (% of total goods exports)		0.2	20.6
ICT goods imports (% of total goods imports)	6.1	6.8	
ICT service exports (% of total service exports)	0.1	0.0	
Applications		0.0	10.0
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0–1, 1=highest presence)		0.29	
Secure Internet servers (per million people)		29.0	
		20.0	1.0

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Mali

Sub-Saharan Africa

Low income

	Country data		Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	10	12	1,296
Urban population (% of total)	28	32	32
GNI per capita, World Bank Atlas method (\$)	260	500	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.5	5.4	5.6
Adult literacy rate (% ages 15 and older)	19	26	64
Gross primary, secondary, and tertiary enrollment (%)	28	37	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	Р	Р	
Mobile telephone service	Р	Р	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	6.0	3.3
Mobile and fixed-line subscribers per employee	37	1,490	301
Telecommunications investment (% of revenue)	28.1	29.6	
Performance			
Access			
Telephone lines (per 100 people)	0.4	0.6	4.0
Mobile cellular subscriptions (per 100 people)	0.1	20.5	21.5
Internet subscribers (per 100 people)		0.1	0.8
Personal computers (per 100 people)	0.1	0.8	1.5
Households with a television (%)	13	15	16
Usage			
International voice traffic (minutes per person per month)	0.6	0.2	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.1	0.8	5.2
Quality			
Population covered by mobile cellular network (%)	15	22	54
Fixed broadband subscribers (% of total Internet subscribers	s)	45.7	3.4
International Internet bandwidth (bits per second per person	ı) O	17	26
Affordability			
Price basket for residential fixed line (\$ a month)		11.0	
Price basket for mobile service (\$ a month)		14.7	11.2
Price basket for Internet service (\$ a month)		43.2	29.2
Price of call to United States (\$ for 3 minutes)	12.64		2.00
Trade			
ICT goods exports (% of total goods exports)	0.2	0.2	1.4
ICT goods imports (% of total goods imports)	3.5	4.2	6.7
ICT service exports (% of total service exports)	6.2	15.7	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.18	
Secure Internet servers (per million people)	0.1	0.6	0.5

Malta

	Country	y data	High- income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.39	0.41	1,056
Urban population (% of total)	92	94	78
GNI per capita, World Bank Atlas method (\$)	9,670	16,680	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.4	1.6	2.4
Adult literacy rate (% ages 15 and older)		92	99
Gross primary, secondary, and tertiary enrollment (%)	75	81	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly))		
International long distance service	М	С	
Mobile telephone service	М	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	4.9	3.1
Mobile and fixed-line subscribers per employee	161	290	
Telecommunications investment (% of revenue)	23.0	24.7	
Performance			
Access			
Telephone lines (per 100 people)	52.4	56.2	50.0
Mobile cellular subscriptions (per 100 people)	29.3	90.8	100.4
Internet subscribers (per 100 people)	8.8	24.4	25.8
Personal computers (per 100 people)	20.5		67.4
Households with a television (%)	89	93	98
Usage			
International voice traffic (minutes per person per month)	21.3	18.5	14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	13.1	44.7	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers	s) 4.8	83.0	82.6
International Internet bandwidth (bits per second per persor		5,731	18,242
Affordability	,		
Price basket for residential fixed line (\$ a month)		17.9	26.1
Price basket for mobile service (\$ a month)		14.7	13.0
Price basket for Internet service (\$ a month)		8.8	22.8
Price of call to United States (\$ for 3 minutes)	3.41	0.77	0.81
Trade			
ICT goods exports (% of total goods exports)	64.2	51.4	15.2
ICT goods imports (% of total goods imports)	44.9	31.9	14.6
ICT service exports (% of total service exports)	2.5	3.6	
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0-1, 1=highest presence)		0.73	
Secure Internet servers (per million people)	58.5	940.6	662.6

Marshall Islands

East Asia & Pacific	Lower middle income		
	Country	v data	Lower middle- income
-			group
	2000	2007	2007
Economic and social context			
Population (millions)	0.05	0.06	-,
Urban population (% of total)	68	71	
GNI per capita, World Bank Atlas method (\$)	2,420	3,240	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	-3.7	2.8	
Adult literacy rate (% ages 15 and older)	 70	 71	
Gross primary, secondary, and tertiary enrollment (%)	73	71	68
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.7	5.2	3.1
Mobile and fixed-line subscribers per employee	44	46	
Telecommunications investment (% of revenue)			05.0
			23.3
Performance			
Access			
Telephone lines (per 100 people)	7.8	8.3	
Mobile cellular subscriptions (per 100 people)	0.9	1.2	
Internet subscribers (per 100 people)	0.8	1.3	
Personal computers (per 100 people)	3.9	9.1	
Households with a television (%) Usage			79
International voice traffic (minutes per person per month)	5.8	7.0	
Mobile telephone usage (minutes per user per month)	0.0	1.0	322
Internet users (per 100 people)	1.6	3.9	
Quality	1.0	0.0	12.7
Population covered by mobile cellular network (%)			80
Fixed broadband subscribers (% of total Internet subscribers	6) 0.0	0.0	40.4
International Internet bandwidth (bits per second per person) 10	29	199
Affordability			
Price basket for residential fixed line (\$ a month)	12.5	12.6	7.2
Price basket for mobile service (\$ a month)		12.3	9.8
Price basket for Internet service (\$ a month)		20.0	16.7
Price of call to United States (\$ for 3 minutes)			2.08
Trade			
ICT goods exports (% of total goods exports)			20.6
ICT goods imports (% of total goods imports)			20.2
ICT service exports (% of total service exports)			15.6
Applications			
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0–1, 1=highest presence)		0.07	
Secure Internet servers (per million people)		33.5	1.8

Mauritania

Sub-Saharan Africa

Low income

2000 2007 2007 Economic and social context Population (millions) 3 3 1,296 Urban population (% of total) 40 41 32 GNI per capita, World Bank Atlas method (\$) 470 840 574 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 2.3 5.1 5.6 64d Gross primary, secondary, and tertiary enrollment (%) 43 46 51 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Public Mixed Level of competition (competition, partial comp., monopoly) Internet service M C Mobile telephone service M C Internet service M C C Mobile and fixed-line subscribers per employee 48 1,272 301 Telecommunications revenue (% of GDP) 2.3 7.5 3.3 Mobile calluar subscriptors per employee 48 1,272 301 Telecommunications revenue (% of GDP) 0.6 41.7 21.5		Country	y data	Low- income group
Population (millions) 3 3 1,296 Urban population (% of total) 40 41 32 GNI per capita, World Bank Atlas method (\$) 470 840 574 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 2.3 5.1 5.6 64 Gross primary, secondary, and tertiary enrollment (%) 43 46 51 Structure S Structure Mixed Level of competition (competition, partial comp., monopoly) Mixed Level of competition (competition, partial comp., monopoly) Internet service M C Internet service K C C C Telecommunications revenue (% of GDP) 2.3 7.5 3.3 Mobile etlephone service M C C Telecommunications investment (% of revenue) 131.7 48.3 Performance Access Access Access Access Telephone lines (per 100 people) 0.0 0.4 6. 1.5 Households with a television (%) 19 25 16		2000	2007	
Urban population (% of total) 40 41 32 GNI per capita, World Bank Atlas method (\$) 470 840 574 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 2.3 5.1 5.6 Adult literacy rate (% ages 15 and older) 51 56 64 Gross primary, secondary, and tertiary enrollment (%) 43 46 51 Structure Separate telecommunications regulator Yes Yes Yes Status of main fixed-line telephone operator Public Mixed Level of competition (competition, partial comp., monopoly) Internet service M C Internet service M C C C C Efficiency and capacity Telecommunications revenue (% of GDP) 2.3 7.5 3.3 Mobile and fixed-line subscribers per employee 48 1,272 301 Telecommunications investment (% of revenue) 131.7 48.3 Performance Access - - - Telephone lines (per 100 people) 0.6 41.7 21.5 - <	Economic and social context			
GNI per capita, World Bank Atlas method (\$) 470 840 574 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 2.3 5.1 5.6 Adult literacy rate (% ages 15 and older) 51 56 64 Gross primary, secondary, and tertiary enrollment (%) 43 46 51 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Public Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service C C C C Efficiency and capacity Telecommunications revenue (% of GDP) 2.3 7.5 3.3 Mobile and fixed-line subscribers per employee 48 1.272 301 Telecommunications investment (% of revenue) 131.7 48.3 . Performance Access 1.0 4.6 1.5 Internet subscribers (per 100 people) 0.6 41.7 21.5 Internet subscribers (per 100 people) 0.0 0.2 0.8 </td <td>Population (millions)</td> <td>3</td> <td>3</td> <td>1,296</td>	Population (millions)	3	3	1,296
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 2.3 5.1 5.6 Adult literacy rate (% ages 15 and older) 51 56 64 Gross primary, secondary, and tertiary enrollment (%) 43 46 51 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Public Mixed Level of competition (competition, partial comp, monopoly) International long distance service M C Internet service C C C C Efficiency and capacity Telecommunications revenue (% of GDP) 2.3 7.5 3.3 Mobile and fixed-line subscribers per employee 48 1.272 301 Telecommunications investment (% of revenue) 131.7 48.3 Performance Access - - - Telephone lines (per 100 people) 0.6 41.7 21.5 1.6 Households with a television (%) 19 25 16 Usage Internet subscribers (per 100 people) 0.2 1.0	Urban population (% of total)	40	41	32
Adult literacy rate (% ages 15 and older) 51 56 64 Gross primary, secondary, and tertiary enrollment (%) 43 46 51 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Public Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service C C C Efficiency and capacity Telecommunications revenue (% of GDP) 2.3 7.5 3.3 Mobile and fixed-line subscribers per employee 48 1.272 301 Telecommunications investment (% of revenue) 131.7 48.3 Performance Access Telephone lines (per 100 people) 0.6 41.7 21.5 Internet subscribers (per 100 people) 1.0 4.6 1.5 Internet subscribers (per 100 people) 1.0 4.6 1.5 Internet subscribers (per 100 people) 0.2 1.0 5.2 Internet subscribers (per 100 people) 0.2 1.0 5.2 International voice traffic (minutes per user per month) <	GNI per capita, World Bank Atlas method (\$)	470	840	574
Gross primary, secondary, and tertiary enrollment (%) 43 46 51 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Public Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service C C C Efficiency and capacity Telecommunications revenue (% of GDP) 2.3 7.5 3.3 Mobile and fixed-line subscribers per employee 48 1,272 301 Telecommunications investment (% of revenue) 131.7 48.3 Performance Access	GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.3	5.1	5.6
Structure Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Public Mixed Level of competition, competition, competition (competition (competition, partial comp., monopoly) International long distance service M C Efficiency and capacity Telecommunications revenue (% of GDP) 2.3 7.5 3.3 Mobile and fixed-line subscribers per employee 48 1,272 301 Telecommunications investment (% of revenue) 131.7 48.3 Performance Access Telephone lines (per 100 people) 0.7 1.3 4.0 Mobile cellular subscriptions (per 100 people) 0.0 0.2 0.8 Personal computers (per 100 people) 0.0 0.2 0.8 Personal computers (per 100 people) 0.2 1.0 5.2 Muste be readed up to person per month)	Adult literacy rate (% ages 15 and older)	51	56	64
Separate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorPublicMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceMCMobile telephone serviceMCInternet serviceCEfficiency and capacityCCCTelecommunications revenue (% of GDP)2.37.53.3Mobile and fixed-line subscribers per employee481,272301Telecommunications investment (% of revenue)131.748.3PerformanceAccessTelephone lines (per 100 people)0.71.34.0Mobile cellular subscriptions (per 100 people)0.00.20.8Personal computers (per 100 people)1.04.61.5Households with a television (%)192516UsageUsageInternet users (per 100 people)0.21.05.2QualityPopulation covered by mobile cellular network (%)5154Fixed broadband subscribers (% of total Internet subscribers)0.069.73.4International litermet service (\$ a month)8.911.2Price basket for residential fixed line (\$ a month)8.911.2Price basket for Internet service (\$ a month)1.411.95.7Price basket for Internet service (\$ a month)1.41.411.95.7		43	46	51
Status of main fixed-line telephone operatorPublicMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceMCMobile telephone serviceMCInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)2.37.53.3Mobile and fixed-line subscribers per employee481,272301Telecommunications investment (% of revenue)131.748.3.PerformanceAccessTelephone lines (per 100 people)0.641.721.5Internet subscriptions (per 100 people)0.00.20.8Personal computers (per 100 people)1.04.61.5Households with a television (%)192516UsageUsage1.04.6International voice traffic (minutes per person per month)International voice traffic (minutes per user per month)International voice traffic (minutes per second per person)069.73.4International Internet bandwidth (bits per second per person)07026AffordabilityPrice basket for nobile service (\$ a month)Price basket for nobile service (\$ a month)3.7.329.2Price basket for nobile service (\$ a month)Price basket for nobile service (\$ a month)Price basket for nobile service	Structure			
Status of main fixed-line telephone operatorPublicMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceMCMobile telephone serviceMCInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)2.37.53.3Mobile and fixed-line subscribers per employee481,272301Telecommunications investment (% of revenue)131.748.3.PerformanceAccessTelephone lines (per 100 people)0.641.721.5Internet subscriptions (per 100 people)0.00.20.8Personal computers (per 100 people)1.04.61.5Households with a television (%)192516UsageUsage1.04.6International voice traffic (minutes per person per month)International voice traffic (minutes per user per month)International voice traffic (minutes per second per person)069.73.4International Internet bandwidth (bits per second per person)07026AffordabilityPrice basket for nobile service (\$ a month)Price basket for nobile service (\$ a month)3.7.329.2Price basket for nobile service (\$ a month)Price basket for nobile service (\$ a month)Price basket for nobile service	Separate telecommunications regulator	Yes	Yes	
Level of competition (competition, partial comp., monopoly) M C Mobile telephone service M C Internet service C C Efficiency and capacity Telecommunications revenue (% of GDP) 2.3 7.5 3.3 Mobile and fixed-line subscribers per employee 48 1,272 301 Telecommunications investment (% of revenue) 131.7 48.3 Performance Access Telephone lines (per 100 people) 0.6 41.7 21.5 Internet subscriptions (per 100 people) 0.6 41.7 21.5 1.5 1.5 1.5 1.6 1.5 Households with a television (%) 19 25 1.6 1.5 Households with a television (%) 19 25 1.6 Usage Internet users (per 100 people) 0.2 1.0 5.2 Quality Population covered by mobile cellular network (%) 51 54 Fixed broadband subscribers (% of total Internet subscribers) 0.0 69.7 3.4 Inter		Public	Mixed	
International long distance serviceMCMobile telephone serviceMCInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)2.37.53.3Mobile and fixed-line subscribers per employee481,272301Telecommunications investment (% of revenue)131.748.3PerformanceAccessTelephone lines (per 100 people)0.641.721.5Internet subscriptions (per 100 people)0.00.20.8Personal computers (per 100 people)1.04.61.5Households with a television (%)192516UsageInternet subscribers (per 100 people)0.21.05.2QualityPopulation covered by mobile cellular network (%)5154Fixed broadband subscribers (% of total Internet subscribers)0.069.73.4Internet tor residential fixed line (\$ a month)1.4.111.95.7Price basket for residential fixed line (\$ a month)1.4ICT goods exports (% of total goods exports)ICT goods imports (% of tota				
Mobile telephone serviceMCInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)2.37.53.3Mobile and fixed-line subscribers per employee481,272301Telecommunications investment (% of revenue)131.748.3PerformanceAccessTelephone lines (per 100 people)0.641.721.5Internet subscriptions (per 100 people)0.00.20.8Personal computers (per 100 people)1.04.61.5Households with a television (%)192516UsageUsageInternet subscribers (per 100 people)0.21.05.2Quality19251616Presonal computers (per 100 people)0.21.05.2QualityPopulation covered by mobile cellular network (%)5154Fixed broadband subscribers (% of total Internet subscribers)0.069.73.4International Internet bandwidth (bits per second per person)07026AffordabilityPrice basket for residential fixed line (\$ a month)3.7.329.2Price basket for Internet service (\$ a month)Price basket for Internet service (\$ a month)ICT goods exports			С	
Internet service C C Efficiency and capacity 7.5 3.3 Telecommunications revenue (% of GDP) 2.3 7.5 3.3 Mobile and fixed-line subscribers per employee 48 1,272 301 Telecommunications investment (% of revenue) 131.7 48.3 Performance Access - - Telephone lines (per 100 people) 0.6 41.7 21.5 Internet subscribers (per 100 people) 0.0 0.2 0.8 Personal computers (per 100 people) 1.0 4.6 1.5 Households with a television (%) 19 25 16 Usage	-	М	С	
Telecommunications revenue (% of GDP) 2.3 7.5 3.3 Mobile and fixed-line subscribers per employee 48 1,272 301 Telecommunications investment (% of revenue) 131.7 48.3 Performance Access 7.5 1.3 4.0 Mobile cellular subscriptions (per 100 people) 0.6 41.7 21.5 Internet subscribers (per 100 people) 0.0 0.2 0.8 Personal computers (per 100 people) 1.0 4.6 1.5 Households with a television (%) 19 25 16 Usage 10 4.6 International voice traffic (minutes per person per month) 1.6 0.4 Mobile telephone usage (minutes per user per month) Internet users (per 100 people) 0.2 1.0 5.2 Quality Population covered by mobile cellular network (%) 51 54 Fixed broadband subscribers (% of total Internet subscribers) 0.0 69.7 3.4 International Internet bandwidth (bits per second per person) 0 70 26	-			
Telecommunications revenue (% of GDP) 2.3 7.5 3.3 Mobile and fixed-line subscribers per employee 48 1,272 301 Telecommunications investment (% of revenue) 131.7 48.3 Performance Access 7.5 1.3 4.0 Mobile cellular subscriptions (per 100 people) 0.6 41.7 21.5 Internet subscribers (per 100 people) 0.0 0.2 0.8 Personal computers (per 100 people) 1.0 4.6 1.5 Households with a television (%) 19 25 16 Usage 10 4.6 International voice traffic (minutes per person per month) 1.6 0.4 Mobile telephone usage (minutes per user per month) Internet users (per 100 people) 0.2 1.0 5.2 Quality Population covered by mobile cellular network (%) 51 54 Fixed broadband subscribers (% of total Internet subscribers) 0.0 69.7 3.4 International Internet bandwidth (bits per second per person) 0 70 26	Efficiency and canacity			
Mobile and fixed-line subscribers per employee 48 1,272 301 Telecommunications investment (% of revenue) 131.7 48.3 Performance Access - - Telephone lines (per 100 people) 0.7 1.3 4.0 Mobile cellular subscriptions (per 100 people) 0.6 41.7 21.5 Internet subscribers (per 100 people) 0.0 0.2 0.8 Personal computers (per 100 people) 1.0 4.6 1.5 Households with a television (%) 19 25 16 Usage		23	7.5	3.3
Telecommunications investment (% of revenue) 131.7 48.3 Performance Access 7 1.3 4.0 Mobile cellular subscriptions (per 100 people) 0.6 41.7 21.5 Internet subscribers (per 100 people) 0.0 0.2 0.8 Personal computers (per 100 people) 1.0 4.6 1.5 Households with a television (%) 19 25 16 Usage 10 4.6 1.5 International voice traffic (minutes per person per month) 1.6 0.4 Mobile telephone usage (minutes per user per month) Internet users (per 100 people) 0.2 1.0 5.2 Quality Population covered by mobile cellular network (%) 51 54 Fixed broadband subscribers (% of total Internet subscribers) 0.0 69.7 3.4 International Internet bandwidth (bits per second per person) 0 70 26 Affordability Price basket for residential fixed line (\$ a month) 14.1 11.9 5.7 Price basket for Internet service (\$ a month)				
Access Telephone lines (per 100 people) 0.7 1.3 4.0 Mobile cellular subscriptions (per 100 people) 0.6 41.7 21.5 Internet subscribers (per 100 people) 0.0 0.2 0.8 Personal computers (per 100 people) 1.0 4.6 1.5 Households with a television (%) 19 25 16 Usage International voice traffic (minutes per person per month) 1.6 0.4 Mobile telephone usage (minutes per user per month) International voice traffic (minutes per person per month) Mobile telephone usage (minutes per user per month) International voice traffic (minutes per person per month) Quality Population covered by mobile cellular network (%) 51 54 Fixed broadband subscribers (% of total Internet subscribers) 0.0 69.7 3.4 International Internet bandwidth (bits per second per person) 0 70 26 Affordability <td></td> <td></td> <td>· ·</td> <td></td>			· ·	
Telephone lines (per 100 people) 0.7 1.3 4.0 Mobile cellular subscriptions (per 100 people) 0.6 41.7 21.5 Internet subscribers (per 100 people) 0.0 0.2 0.8 Personal computers (per 100 people) 1.0 4.6 1.5 Households with a television (%) 19 25 16 Usage International voice traffic (minutes per person per month) 1.6 0.4 Mobile telephone usage (minutes per user per month) Internet users (per 100 people) 0.2 1.0 5.2 Quality Population covered by mobile cellular network (%) 51 54 Fixed broadband subscribers (% of total Internet subscribers) 0.0 69.7 3.4 International Internet bandwidth (bits per second per person) 0 70 26 Affordability Price basket for residential fixed line (\$ a month) 14.1 11.9 5.7 Price basket for Internet service (\$ a month) 8.9 11.2 Price basket for Internet service (\$ a month) 3.7.3 29.2 Price of	Performance			
Mobile cellular subscriptions (per 100 people) 0.6 41.7 21.5 Internet subscribers (per 100 people) 0.0 0.2 0.8 Personal computers (per 100 people) 1.0 4.6 1.5 Households with a television (%) 19 25 16 Usage International voice traffic (minutes per person per month) 1.6 0.4 Mobile telephone usage (minutes per user per month) Internet users (per 100 people) 0.2 1.0 5.2 Quality Population covered by mobile cellular network (%) 51 54 Fixed broadband subscribers (% of total Internet subscribers) 0.0 69.7 3.4 International Internet bandwidth (bits per second per person) 0 70 26 Affordability Price basket for residential fixed line (\$ a month) 14.1 11.9 5.7 Price basket for Internet service (\$ a month) 1.2 Price basket for Internet service (\$ a month) 3.7.3 29.2 Price of call to United States (\$ for 3 minutes) </td <td>Access</td> <td></td> <td></td> <td></td>	Access			
Internet subscribers (per 100 people) 0.0 0.2 0.8 Personal computers (per 100 people) 1.0 4.6 1.5 Households with a television (%) 19 25 16 Usage International voice traffic (minutes per person per month) 1.6 0.4 Mobile telephone usage (minutes per user per month) Internet users (per 100 people) 0.2 1.0 5.2 Quality Population covered by mobile cellular network (%) 51 54 Fixed broadband subscribers (% of total Internet subscribers) 0.0 69.7 3.4 International Internet bandwidth (bits per second per person) 0 70 26 Affordability Price basket for residential fixed line (\$ a month) 14.1 11.9 5.7 Price basket for Internet service (\$ a month) 8.9 11.2 Price basket for Internet service (\$ a month) 37.3 29.2 Price of call to United States (\$ for 3 minutes) 4.36 2.00 Trade <	Telephone lines (per 100 people)	0.7	1.3	4.0
Personal computers (per 100 people)1.04.61.5Households with a television (%)192516UsageInternational voice traffic (minutes per person per month)1.60.4Mobile telephone usage (minutes per user per month)Internet users (per 100 people)0.21.05.2Quality5154Fixed broadband subscribers (% of total Internet subscribers)0.069.73.4International Internet bandwidth (bits per second per person)07026Affordability515.7Price basket for residential fixed line (\$ a month)14.111.95.7Price basket for nobile service (\$ a month)37.329.2Price of call to United States (\$ for 3 minutes)4.362.00Trade1.4ICT goods imports (% of total goods exports)ICT service exports (% of total service exports)ICT expenditure (% of GDP)E-gov't Web measure index (0-1, 1=highest presence)0.060.11	Mobile cellular subscriptions (per 100 people)	0.6	41.7	21.5
Households with a television (%)192516UsageInternational voice traffic (minutes per person per month)1.60.4Mobile telephone usage (minutes per user per month)1.60.4Internet users (per 100 people)0.21.05.200QualityPopulation covered by mobile cellular network (%)5154Fixed broadband subscribers (% of total Internet subscribers)0.069.73.4International Internet bandwidth (bits per second per person)07026AffordabilityPrice basket for residential fixed line (\$ a month)14.111.95.7Price basket for Internet service (\$ a month)37.329.2Price of call to United States (\$ for 3 minutes)4.3614.1ICT goods imports (% of total goods exports)ICT service exports (% of total service exports)ICT expenditure (% of GDP)ICT expenditure (% of GDP)ICT expenditure (% of GDP)	Internet subscribers (per 100 people)	0.0	0.2	0.8
UsageInternational voice traffic (minutes per person per month)1.60.4Mobile telephone usage (minutes per user per month)Internet users (per 100 people)0.21.05.2Quality5154Propulation covered by mobile cellular network (%)5154Fixed broadband subscribers (% of total Internet subscribers)0.069.73.4International Internet bandwidth (bits per second per person)07026Affordability5.7Price basket for residential fixed line (\$ a month)14.111.95.7Price basket for mobile service (\$ a month)8.911.211.2Price basket for Internet service (\$ a month)37.329.2Price of call to United States (\$ for 3 minutes)4.362.00Tade1.4ICT goods imports (% of total goods exports)ICT service exports (% of total service exports)ICT expenditure (% of GDP)ICT expenditure (% of GDP) <tr <tr="">ICT exp</tr>	Personal computers (per 100 people)	1.0	4.6	1.5
International voice traffic (minutes per person per month)1.60.4Mobile telephone usage (minutes per user per month)Internet users (per 100 people)0.21.05.2QualityPopulation covered by mobile cellular network (%)5154Fixed broadband subscribers (% of total Internet subscribers)0.069.73.4International Internet bandwidth (bits per second per person)07026AffordabilityPrice basket for residential fixed line (\$ a month)14.111.95.7Price basket for nesidential fixed line (\$ a month)8.911.2Price basket for Internet service (\$ a month)37.329.2Price of call to United States (\$ for 3 minutes)4.362.00TradeIICT goods exports (% of total goods exports)1.4ICT goods imports (% of total goods imports)3.72.16.7ICT service exports (% of total service exports)ICT expenditure (% of GDP)E-gov't Web measure index (0-1, 1=highest presence)0.060.11	Households with a television (%)	19	25	16
Mobile telephone usage (minutes per user per month)Internet users (per 100 people)0.21.05.2Quality5154Population covered by mobile cellular network (%)5154Fixed broadband subscribers (% of total Internet subscribers)0.069.73.4International Internet bandwidth (bits per second per person)07026AffordabilityPrice basket for residential fixed line (\$ a month)14.111.95.7Price basket for nobile service (\$ a month)8.911.2Price basket for Internet service (\$ a month)37.329.2Price of call to United States (\$ for 3 minutes)4.362.00Trade1.4ICT goods exports (% of total goods exports)ICT goods imports (% of total geods imports)3.72.16.7ICT service exports (% of total service exports)ICT expenditure (% of GDP)E-gov't Web measure index (0-1, 1=highest presence)0.060.11	Usage			
Internet users (per 100 people)0.21.05.2Quality.5154Population covered by mobile cellular network (%)5154Fixed broadband subscribers (% of total Internet subscribers)0.069.73.4International Internet bandwidth (bits per second per person)07026Affordability7026Price basket for residential fixed line (\$ a month)14.111.95.7Price basket for mobile service (\$ a month)8.911.2Price basket for Internet service (\$ a month)37.329.2Price of call to United States (\$ for 3 minutes)4.362.00Trade1.4ICT goods exports (% of total goods exports)ICT goods imports (% of total goods imports)3.72.16.7ICT service exports (% of total service exports)ICT expenditure (% of GDP)E-gov't Web measure index (0-1, 1=highest presence)0.060.11	International voice traffic (minutes per person per month)	1.6	0.4	
QualityPopulation covered by mobile cellular network (%)5154Fixed broadband subscribers (% of total Internet subscribers)0.069.73.4International Internet bandwidth (bits per second per person)07026Affordability222Price basket for residential fixed line (\$ a month)14.111.95.7Price basket for mobile service (\$ a month)8.911.2Price basket for Internet service (\$ a month)37.329.2Price of call to United States (\$ for 3 minutes)4.362.00Trade11.411.95.71.4ICT goods exports (% of total goods exports)ICT service exports (% of total goods imports)3.72.16.7ICT service exports (% of total service exports)ICT service exports (% of total service exports)ICT service exports (% of GDP)E-gov't Web measure index (0-1, 1=highest presence)0.060.11	Mobile telephone usage (minutes per user per month)			
Population covered by mobile cellular network (%)5154Fixed broadband subscribers (% of total Internet subscribers)0.069.73.4International Internet bandwidth (bits per second per person)07026Affordability22Price basket for residential fixed line (\$ a month)14.111.95.7Price basket for mobile service (\$ a month)8.911.2Price basket for Internet service (\$ a month)37.329.2Price of call to United States (\$ for 3 minutes)4.362.00Trade11.411.911.4ICT goods exports (% of total goods exports)1.4ICT goods imports (% of total goods imports)3.72.16.7ICT expenditure (% of GDP)E-gov't Web measure index (0-1, 1=highest presence)0.060.11	Internet users (per 100 people)	0.2	1.0	5.2
Fixed broadband subscribers (% of total Internet subscribers)0.069.73.4International Internet bandwidth (bits per second per person)07026Affordability226Price basket for residential fixed line (\$ a month)14.111.95.7Price basket for mobile service (\$ a month)8.911.2Price basket for Internet service (\$ a month)37.329.2Price of call to United States (\$ for 3 minutes)4.362.00Trade11.411.911.411.4ICT goods exports (% of total goods exports)1.4ICT goods imports (% of total goods imports)3.72.16.7ICT expenditure (% of GDP)E-gov't Web measure index (0-1, 1=highest presence)0.0060.11	Quality			
International Internet bandwidth (bits per second per person) 0 70 26 Affordability Price basket for residential fixed line (\$ a month) 14.1 11.9 5.7 Price basket for mobile service (\$ a month) 8.9 11.2 Price basket for Internet service (\$ a month) 37.3 29.2 Price basket for Internet service (\$ a month) 37.3 29.2 Price of call to United States (\$ for 3 minutes) 4.36 2.00 Trade ICT goods exports (% of total goods exports) 1.4 ICT goods imports (% of total goods imports) 3.7 2.1 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.11	Population covered by mobile cellular network (%)		51	54
Affordability Price basket for residential fixed line (\$ a month) 14.1 11.9 5.7 Price basket for mobile service (\$ a month) 8.9 11.2 Price basket for Internet service (\$ a month) 37.3 29.2 Price of call to United States (\$ for 3 minutes) 4.36 2.00 Trade ICT goods exports (% of total goods exports) 1.4 ICT goods imports (% of total goods imports) 3.7 2.1 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.0.6 0.11	Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	69.7	3.4
Price basket for residential fixed line (\$ a month) 14.1 11.9 5.7 Price basket for mobile service (\$ a month) 8.9 11.2 Price basket for Internet service (\$ a month) 37.3 29.2 Price of call to United States (\$ for 3 minutes) 4.36 2.00 Trade 1.4 ICT goods exports (% of total goods exports) 1.4 ICT goods imports (% of total goods imports) 3.7 2.1 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.11	International Internet bandwidth (bits per second per persor	ı) O	70	26
Price basket for mobile service (\$ a month) 8.9 11.2 Price basket for Internet service (\$ a month) 37.3 29.2 Price of call to United States (\$ for 3 minutes) 4.36 2.00 Trade 1.4 ICT goods exports (% of total goods exports) 1.4 ICT goods imports (% of total goods imports) 3.7 2.1 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.11	Affordability			
Price basket for Internet service (\$ a month) 37.3 29.2 Price of call to United States (\$ for 3 minutes) 4.36 2.00 Trade ICT goods exports (% of total goods exports) 1.4 ICT goods imports (% of total goods imports) 3.7 2.1 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.11	Price basket for residential fixed line (\$ a month)	14.1	11.9	5.7
Price of call to United States (\$ for 3 minutes) 4.36 2.00 Trade 1.4 ICT goods exports (% of total goods exports) 1.4 ICT goods imports (% of total goods imports) 3.7 2.1 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.11	Price basket for mobile service (\$ a month)		8.9	11.2
Trade 1.4 ICT goods exports (% of total goods exports) 1.4 ICT goods imports (% of total goods imports) 3.7 2.1 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.11	Price basket for Internet service (\$ a month)		37.3	29.2
ICT goods exports (% of total goods exports) 1.4 ICT goods imports (% of total goods imports) 3.7 2.1 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.11	Price of call to United States (\$ for 3 minutes)	4.36		2.00
ICT goods imports (% of total goods imports) 3.7 2.1 6.7 ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.11	Trade			
ICT service exports (% of total service exports) Applications ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.11	ICT goods exports (% of total goods exports)			1.4
Applications <t< td=""><td>ICT goods imports (% of total goods imports)</td><td>3.7</td><td>2.1</td><td>6.7</td></t<>	ICT goods imports (% of total goods imports)	3.7	2.1	6.7
Applications <t< td=""><td></td><td></td><td></td><td></td></t<>				
ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.11				
E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.11				
			0.06	0.11
		0.4	1.6	0.5

Mauritius

Sub-Saharan Africa	Upper	middle	income
			Upper middle-
-	Country	y data	income group
	2000	2007	2007
Economic and social context			
Population (millions)	1	1	824
Urban population (% of total)	43	42	75
GNI per capita, World Bank Atlas method (\$)	3,740	5,580	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.5	4.0	
Adult literacy rate (% ages 15 and older)	84	87	
Gross primary, secondary, and tertiary enrollment (%)	67	75	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly))		
International long distance service	М	С	
Mobile telephone service	Р	С	
Internet service	М	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	3.6	3.3
Mobile and fixed-line subscribers per employee	251	492	566
Telecommunications investment (% of revenue)	37.6	12.9	
Performance			
Access			
Telephone lines (per 100 people)	23.7	28.6	22.6
Mobile cellular subscriptions (per 100 people)	15.2	73.7	
Internet subscribers (per 100 people)	2.9	13.2	
Personal computers (per 100 people)	10.1	17.6	
Households with a television (%)	87	96	92
Usage			
International voice traffic (minutes per person per month)	6.0	10.4	
Mobile telephone usage (minutes per user per month)			137
Internet users (per 100 people)	7.3	27.0	26.6
Quality			
Population covered by mobile cellular network (%)	100	99	95
Fixed broadband subscribers (% of total Internet subscribers		37.0	
International Internet bandwidth (bits per second per person	n) 5	226	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	5.2	5.3	
Price basket for mobile service (\$ a month)		4.1	
Price basket for Internet service (\$ a month)		16.4	
Price of call to United States (\$ for 3 minutes)	4.00	1.59	1.55
Trade	0.0	4.7	10 5
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	0.8 6.1	4.7	
ICT service exports (% of total service exports)	1.8	2.8	
Applications	1.0	2.0	4.0
ICT expenditure (% of GDP)			5.2
E-gov't Web measure index (0–1, 1=highest presence)		0.47	
L-gov t web measure muex (0-1, 1-mgnest presence)			

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Mayotte

Sub-Saharan Africa

Upper middle income

Sub-Saliaran Anica	opper	muuic	meome
	Countr	y data	Upper middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	0.16	0.19	824
Urban population (% of total)			75
GNI per capita, World Bank Atlas method (\$)			7.107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)			4.3
Adult literacy rate (% ages 15 and older)			94
Gross primary, secondary, and tertiary enrollment (%)			82
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International long distance service			
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.3
Mobile and fixed-line subscribers per employee	372		566
Telecommunications investment (% of revenue)	0.0		
Performance			
Access			
Telephone lines (per 100 people)	6.2		22.6
Mobile cellular subscriptions (per 100 people)	12.7	28.0	
Internet subscribers (per 100 people)			
Personal computers (per 100 people)			
Households with a television (%)	57		92
Usage			
International voice traffic (minutes per person per month)			
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)			26.6
Quality			
Population covered by mobile cellular network (%)			
Fixed broadband subscribers (% of total Internet subscribers			47.8
International Internet bandwidth (bits per second per person	I)		1,185
Affordability			
Price basket for residential fixed line (\$ a month)			
Price basket for mobile service (\$ a month)			
Price basket for Internet service (\$ a month)			
Price of call to United States (\$ for 3 minutes)			1.55
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			4.6
Applications			5.2
ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence)			0.07
Secure Internet servers (per million people)			20.2

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Mexico

Latin America & Caribbean	Upper	middle	income
			Upper middle-
	Country	y data	income
	2000	2007	2007
Economic and social context			
Population (millions)	98	105	824
Urban population (% of total)	75	77	75
GNI per capita, World Bank Atlas method (\$)	5,110	9,400	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.4	2.6	4.3
Adult literacy rate (% ages 15 and older)	91	93	94
Gross primary, secondary, and tertiary enrollment (%)	71	76	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	С	
Mobile telephone service	Р	С	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.1	2.8	3.3
Mobile and fixed-line subscribers per employee	375	789	566
Telecommunications investment (% of revenue)	41.5	11.2	
Performance			
Access			
Telephone lines (per 100 people)	12.6	18.8	22.6
Mobile cellular subscriptions (per 100 people)	14.4	63.2	84.1
Internet subscribers (per 100 people)	1.2	5.5	9.4
Personal computers (per 100 people)	5.8	14.4	12.4
Households with a television (%) Usage	90	98	92
International voice traffic (minutes per person per month)	6.6	15.4	
Mobile telephone usage (minutes per user per month)	83	164	
Internet users (per 100 people)	5.2	22.7	
Quality	0.2	22.1	20.0
Population covered by mobile cellular network (%)	86	100	95
Fixed broadband subscribers (% of total Internet subscribers	s) 1.3	77.9	47.8
International Internet bandwidth (bits per second per person	n) 9	178	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	17.5	16.1	10.6
Price basket for mobile service (\$ a month)		13.9	10.9
Price basket for Internet service (\$ a month)		20.0	16.4
Price of call to United States (\$ for 3 minutes)	3.01	0.83	1.55
Trade			
ICT goods exports (% of total goods exports)	23.0	19.6	13.5
ICT goods imports (% of total goods imports)	20.8	14.9	16.2
ICT service exports (% of total service exports)	8.8	2.3	4.6
Applications			
ICT expenditure (% of GDP)		4.0	5.2
E-gov't Web measure index (0-1, 1=highest presence)		0.71	
Secure Internet servers (per million people)	2.6	15.7	26.2

Micronesia, Fed. Sts.

East Asia & Pacific	Lower	middle	income
	Countr	y data	Lower middle- income
-	2000	2007	group 2007
Feenemic and esciel context			
Economic and social context Population (millions)	0.11	0.11	2 / 25
Urban population (% of total)	22	22	-,
GNI per capita, World Bank Atlas method (\$)	2,150	2,280	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	-1.4	-0.7	
Adult literacy rate (% ages 15 and older)			0.2
Gross primary, secondary, and tertiary enrollment (%)			<u></u>
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly))		
International long distance service	М	М	
Mobile telephone service	С	С	
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.0	5.6	
Mobile and fixed-line subscribers per employee	74	238	
Telecommunications investment (% of revenue)	4.9	13.2	25.3
Performance			
Access Telephone lines (per 100 people)	9.0	7.8	15.3
Mobile cellular subscriptions (per 100 people)	0.0	24.7	
Internet subscribers (per 100 people)	1.4	1.2	
Personal computers (per 100 people)	1.3	5.5	
Households with a television (%)	14	16	
Usage			
International voice traffic (minutes per person per month)	5.2	6.7	·
Mobile telephone usage (minutes per user per month)			322
Internet users (per 100 people)	3.7	13.5	12.4
Quality			
Population covered by mobile cellular network (%)	0		
Fixed broadband subscribers (% of total Internet subscriber		2.0	
International Internet bandwidth (bits per second per person	n) 10	143	199
Affordability	0.4	0.4	7.0
Price basket for residential fixed line (\$ a month)	8.4	8.4	
Price basket for mobile service (\$ a month)		4.9	10.7
Price basket for Internet service (\$ a month) Price of call to United States (\$ for 3 minutes)	 7.50	6.00	
	1.50	0.00	2.00
ICT goods exports (% of total goods exports)			20.6
ICT goods imports (% of total goods imports)			20.2
ICT service exports (% of total service exports)			15.6
Applications			
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0-1, 1=highest presence)		0.08	
Secure Internet servers (per million people)		18.0	

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Moldova

Europe & Central Asia	Lower	middle	income
	Countr	y data	Lower middle- income group
	2000	2007	2007
Economic and social context			
Population (millions)	4	4	3,435
Urban population (% of total)	45	42	42
GNI per capita, World Bank Atlas method (\$)	370	1,210	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-2.6	6.5	8.0
Adult literacy rate (% ages 15 and older)		99	83
Gross primary, secondary, and tertiary enrollment (%)	71	70	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	C	
Mobile telephone service	С	C	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	10.1	3.1
Mobile and fixed-line subscribers per employee	97	294	624
Telecommunications investment (% of revenue)	67.9	35.7	25.3
Performance			
Access			
Telephone lines (per 100 people)	14.1	28.4	
Mobile cellular subscriptions (per 100 people)	3.4	49.5	
Internet subscribers (per 100 people)	0.3	2.9	
Personal computers (per 100 people)	1.5	11.1	
Households with a television (%)	82	74	79
Usage	2.2	10.4	
International voice traffic (minutes per person per month)	3.3	12.4 97	
Mobile telephone usage (minutes per user per month) Internet users (per 100 people)	 1.3	97 18.4	
Quality	1.5	10.4	12.4
Population covered by mobile cellular network (%)	70	98	80
Fixed broadband subscribers (% of total Internet subscribers	s) 2.3	42.8	40.4
International Internet bandwidth (bits per second per persor	ı) 2	931	199
Affordability			
Price basket for residential fixed line (\$ a month)	2.2	5.3	7.2
Price basket for mobile service (\$ a month)		17.1	9.8
Price basket for Internet service (\$ a month)		22.8	16.7
Price of call to United States (\$ for 3 minutes) Trade	4.10	1.46	2.08
ICT goods exports (% of total goods exports)	1.6	2.6	20.6
ICT goods imports (% of total goods imports)	5.5	4.3	
ICT service exports (% of total service exports)	10.5	15.4	
Applications	10.5	10.4	10.0
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0–1, 1=highest presence)		0.31	
Secure Internet convers (per million people)	0.7	7.4	1 0

144

Secure Internet servers (per million people)

0.7

7.4

1.8

Monaco

	Country	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)		0.03	1,056
Urban population (% of total)	100	100	78
GNI per capita, World Bank Atlas method (\$)			37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)			2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)			92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	М	М	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.1
Mobile and fixed-line subscribers per employee			747
Telecommunications investment (% of revenue)			14.3
Performance			
Access		1010	50.0
Telephone lines (per 100 people)		104.9	50.0
Mobile cellular subscriptions (per 100 people)		56.0	100.4
Internet subscribers (per 100 people)			25.8
Personal computers (per 100 people)			67.4
Households with a television (%)			98
Usage			
International voice traffic (minutes per person per month)			14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)		61.2	65.7
Quality			
Population covered by mobile cellular network (%)			99
Fixed broadband subscribers (% of total Internet subscribers			82.6
International Internet bandwidth (bits per second per person	1)		18,242
Affordability			
Price basket for residential fixed line (\$ a month)			26.1
Price basket for mobile service (\$ a month)			13.0
Price basket for Internet service (\$ a month)			22.8
Price of call to United States (\$ for 3 minutes)			0.81
Trade			
ICT goods exports (% of total goods exports)			15.2
ICT goods imports (% of total goods imports)			14.6
ICT service exports (% of total service exports)			7.0
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.38	0.60
Secure Internet servers (per million people)		1,524.4	662.6

Mongolia

East Asia & Pacific

Lower middle income

East Asia & Pacific	Lower middle		Lower middle incon		income
	Country	v data	Lower middle- income		
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	2	3	3,435		
Urban population (% of total)	57	57	- /		
GNI per capita, World Bank Atlas method (\$)	410	1,290			
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.0	7.5			
Adult literacy rate (% ages 15 and older)	98	97	83		
Gross primary, secondary, and tertiary enrollment (%)	64	77	68		
Structure					
Separate telecommunications regulator	No	Yes			
Status of main fixed-line telephone operator	Mixed	Mixed	1		
Level of competition (competition, partial comp., monopoly)					
International long distance service	М	P			
Mobile telephone service	Р	C			
Internet service	С	C			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	4.3	3.9	3.1		
Mobile and fixed-line subscribers per employee	60	190	624		
Telecommunications investment (% of revenue)	4.7	20.1	25.3		
Performance					
Access					
Telephone lines (per 100 people)	4.9	6.1			
Mobile cellular subscriptions (per 100 people)	6.4	30.0			
Internet subscribers (per 100 people)	0.3	2.7			
Personal computers (per 100 people)	1.3	13.9			
Households with a television (%) Usage	28	33	79		
International voice traffic (minutes per person per month)	0.8	0.4			
Mobile telephone usage (minutes per user per month)			322		
Internet users (per 100 people)	1.3	12.3	12.4		
Quality					
Population covered by mobile cellular network (%)	58	41	80		
Fixed broadband subscribers (% of total Internet subscribers	s) 0.5	4.9	40.4		
International Internet bandwidth (bits per second per person) 3	116	199		
Affordability					
Price basket for residential fixed line (\$ a month)	2.6	1.6	7.2		
Price basket for mobile service (\$ a month)		5.4	9.8		
Price basket for Internet service (\$ a month)		10.6	16.7		
Price of call to United States (\$ for 3 minutes)	4.92		2.08		
Trade					
ICT goods exports (% of total goods exports)	0.1	0.1	20.6		
ICT goods imports (% of total goods imports)	6.8	5.9	20.2		
ICT service exports (% of total service exports)	3.9	3.7	15.6		
Applications					
ICT expenditure (% of GDP)			6.5		
E-gov't Web measure index (0–1, 1=highest presence)		0.42			
Secure Internet servers (per million people)	0.4	8.7	1.8		

Montenegro

Europe & Central Asia

Upper middle income

	Country data		Country data		Upper middle- income group
-	2000	2007	2007		
Economic and social context					
Population (millions)	0.67	0.60	824		
Urban population (% of total)	59	61	75		
GNI per capita, World Bank Atlas method (\$)	1,840	5,270	7,107		
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	-1.6	4.5	4.3		
Adult literacy rate (% ages 15 and older)			94		
Gross primary, secondary, and tertiary enrollment (%)					
Structure					
Separate telecommunications regulator		Yes			
Status of main fixed-line telephone operator		Private			
Level of competition (competition, partial comp., monopoly)					
International long distance service		С			
Mobile telephone service		С			
Internet service		С			
Efficiency and capacity					
Telecommunications revenue (% of GDP)			3.3		
Mobile and fixed-line subscribers per employee			566		
Telecommunications investment (% of revenue)					
Performance					
Access					
Telephone lines (per 100 people)		58.8			
Mobile cellular subscriptions (per 100 people)		107.1			
Internet subscribers (per 100 people)		14.8			
Personal computers (per 100 people)					
Households with a television (%) Usage			92		
International voice traffic (minutes per person per month)		6.9			
Mobile telephone usage (minutes per user per month)		126	137		
Internet users (per 100 people)		46.7	26.6		
Quality					
Population covered by mobile cellular network (%)		99			
Fixed broadband subscribers (% of total Internet subscribers		29.1			
International Internet bandwidth (bits per second per person	I)	1,248	1,185		
Affordability			10.0		
Price basket for residential fixed line (\$ a month)					
Price basket for mobile service (\$ a month)		47.2			
Price basket for Internet service (\$ a month)		7.8			
Price of call to United States (\$ for 3 minutes)			1.55		
Trade			13.5		
ICT goods exports (% of total goods exports)			10.0		
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)			16.2 4.6		
Applications			4.0		
ICT expenditure (% of GDP)			5.2		
E-gov't Web measure index (0-1, 1=highest presence)		 0.37			
Secure Internet servers (per million people)		0.37	00.0		
cooure internet servers (per minion people)			20.2		

Morocco

Middle East & North Africa	Lower	middle	income
			Lower
	Countr	v data	middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	28	31	3,435
Urban population (% of total)	53	56	,
GNI per capita, World Bank Atlas method (\$)	1,340	2,290	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.4	5.0	
Adult literacy rate (% ages 15 and older)		56	
Gross primary, secondary, and tertiary enrollment (%)	51	58	
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	С	
Mobile telephone service	С	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	4.8	3.1
Mobile and fixed-line subscribers per employee	260	821	624
Telecommunications investment (% of revenue)	50.7	17.9	25.3
Performance			
Access			
Telephone lines (per 100 people)	5.0	7.8	
Mobile cellular subscriptions (per 100 people)	8.2	64.9	
Internet subscribers (per 100 people)	0.1	1.6	
Personal computers (per 100 people)	1.2 77	3.6 78	
Households with a television (%) Usage	11	10	19
International voice traffic (minutes per person per month)		1.9	
Mobile telephone usage (minutes per user per month)		49	322
Internet users (per 100 people)	0.7	21.4	12.4
Quality	95	98	80
Population covered by mobile cellular network (%) Fixed broadband subscribers (% of total Internet subscribers		90 98.8	
International Internet bandwidth (bits per second per persor		98.8 814	
Affordability	1) 4	014	155
Price basket for residential fixed line (\$ a month)	12.9	22.3	7.2
Price basket for mobile service (\$ a month)		19.8	
Price basket for Internet service (\$ a month)		15.6	
Price of call to United States (\$ for 3 minutes)	2.03	1.69	
Trade			
ICT goods exports (% of total goods exports)	7.4	5.7	20.6
ICT goods imports (% of total goods imports)	6.9	6.7	20.2
ICT service exports (% of total service exports)	3.7	3.3	15.6
Applications			
ICT expenditure (% of GDP)		8.3	6.5
E-gov't Web measure index (0-1, 1=highest presence)		0.21	0.33
Secure Internet servers (per million people)	0.2	1.4	1.8

Mozambique

Sub-Saharan Africa

Low income

	Country	y data	Low- income group
	2000	2007	2007
Economic and social context			
Population (millions)	18	21	1,296
Urban population (% of total)	31	36	32
GNI per capita, World Bank Atlas method (\$)	230	330	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	8.1	8.1	5.6
Adult literacy rate (% ages 15 and older)		44	64
Gross primary, secondary, and tertiary enrollment (%)	37	53	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	С	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	1.2	3.3
Mobile and fixed-line subscribers per employee	60	980	301
Telecommunications investment (% of revenue)	49.6	24.6	
Performance			
Access	0.5	0.0	4.0
Telephone lines (per 100 people)	0.5	0.3	4.0
Mobile cellular subscriptions (per 100 people)	0.3	15.4	21.5
Internet subscribers (per 100 people)	0.0		0.8
Personal computers (per 100 people)	0.3	1.4	1.5
Households with a television (%)	4	9	16
Usage	2.0		
International voice traffic (minutes per person per month)	3.0	1.1	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.1	0.9	5.2
Quality			E 4
Population covered by mobile cellular network (%)		44	54
Fixed broadband subscribers (% of total Internet subscribers			3.4
International Internet bandwidth (bits per second per person	n) 0	3	26
Affordability	14.6	13.9	5.7
Price basket for residential fixed line (\$ a month)		13.9	11.2
Price basket for mobile service (\$ a month)			
Price basket for Internet service (\$ a month)		34.4	29.2
Price of call to United States (\$ for 3 minutes)	6.21	1.17	2.00
Trade	0.2	0.1	1.4
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)	5.9	5.1	6.7
ICT service exports (% of total service exports)	3.2	5.0	
Applications			
ICT expenditure (% of GDP) E-gov't Web measure index (0-1, 1=highest presence)		 0.31	 0.11
Secure Internet servers (per million people)		0.31	0.11
		0.2	0.5

Myanmar

East Asia & Pacific

Low income

	Country	y data	Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	46	49	1,296
Urban population (% of total)	28	32	
GNI per capita, World Bank Atlas method (\$)			574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	7.6	9.2	5.6
Adult literacy rate (% ages 15 and older)	90		64
Gross primary, secondary, and tertiary enrollment (%)	47	50	51
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)		
International long distance service	М	М	
Mobile telephone service	М	М	
Internet service	М	Р	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.2	0.6	3.3
Mobile and fixed-line subscribers per employee	37	81	301
Telecommunications investment (% of revenue)	25.3	8.6	
Performance			
Access			
Telephone lines (per 100 people)	0.6	1.1	
Mobile cellular subscriptions (per 100 people)	0.0	0.4	
Internet subscribers (per 100 people)	0.0	0.0	
Personal computers (per 100 people)	0.2	0.9	
Households with a television (%)	3	3	16
Usage			
International voice traffic (minutes per person per month)	0.1	0.2	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.0	0.1	5.2
Quality			
Population covered by mobile cellular network (%)		10	
Fixed broadband subscribers (% of total Internet subscriber		10.6	
International Internet bandwidth (bits per second per perso	n) 0	2	26
Affordability			
Price basket for residential fixed line (\$ a month)	0.6	1.3	
Price basket for mobile service (\$ a month)		141.6	
Price basket for Internet service (\$ a month)		46.3	
Price of call to United States (\$ for 3 minutes)	0.44	0.17	2.00
Trade			
ICT goods exports (% of total goods exports)			1.4
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)			
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.11	
Secure Internet servers (per million people)		0.0	0.5

Namibia

Sub-Saharan Africa

Lower middle income

Sub-Saliaran Anica	LOWEI	iniuuie	meonie
	Countr	v data	Lower middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	2	2	3,435
Urban population (% of total)	32	36	- /
GNI per capita, World Bank Atlas method (\$)	1,880	3,450	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.5	4.8	,
Adult literacy rate (% ages 15 and older)	85		
Gross primary, secondary, and tertiary enrollment (%)	68	65	
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)		i ubiit	,
International long distance service	М	Μ	
Mobile telephone service	M	F	
Internet service	C	C	
	0		
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.6	4.8	
Mobile and fixed-line subscribers per employee	115	435	
Telecommunications investment (% of revenue)	29.6	7.5	25.3
Performance			
Access			
Telephone lines (per 100 people)	5.9	6.6	15.3
Mobile cellular subscriptions (per 100 people)	4.4	38.5	38.9
Internet subscribers (per 100 people)	0.5	4.3	6.0
Personal computers (per 100 people)	4.0	24.0	
Households with a television (%)	37	41	79
Usage			
International voice traffic (minutes per person per month)	5.0		
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	1.6	4.9	12.4
Quality	05		
Population covered by mobile cellular network (%)	85	95	
Fixed broadband subscribers (% of total Internet subscribers		0.3	
International Internet bandwidth (bits per second per persor	ı) 2	27	199
Affordability		40.0	7.0
Price basket for residential fixed line (\$ a month)		13.0	
Price basket for mobile service (\$ a month)		13.1	
Price basket for Internet service (\$ a month)		55.8	0.00
Price of call to United States (\$ for 3 minutes)	4.28		2.08
Trade	1.0	0.5	
ICT goods exports (% of total goods exports)	1.0	0.5	
ICT goods imports (% of total goods imports)	8.3	7.3	
ICT service exports (% of total service exports)	2.7	2.7	15.6
Applications			0.5
ICT expenditure (% of GDP)		0.47	6.5
E-gov't Web measure index (0–1, 1=highest presence)	 1.6	0.17	
Secure Internet servers (per million people)	1.6	8.5	1.8

Nepal South Asia

Low income

	Countr	Country data		Country data		Country data in	Low- income group
	2000	2007	2007				
Economic and social context							
Population (millions)	24	28	1,296				
Urban population (% of total)	13	17	32				
GNI per capita, World Bank Atlas method (\$)	220	350	574				
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.6	3.4	5.6				
Adult literacy rate (% ages 15 and older)	49	57	64				
Gross primary, secondary, and tertiary enrollment (%)	56	58	51				
Structure							
Separate telecommunications regulator	Yes	Yes					
Status of main fixed-line telephone operator	Public	Mixed					
Level of competition (competition, partial comp., monopoly)						
International long distance service	М	Р					
Mobile telephone service	М	Р					
Internet service	С	C					
Efficiency and capacity							
Telecommunications revenue (% of GDP)	1.3	1.0	3.3				
Mobile and fixed-line subscribers per employee	60	565	301				
Telecommunications investment (% of revenue)	26.7	26.7					
Performance							
Access	1.1	2.5	4.0				
Telephone lines (per 100 people)	0.0	2.5 11.6					
Mobile cellular subscriptions (per 100 people)	0.0	0.3					
Internet subscribers (per 100 people)	0.0	0.5					
Personal computers (per 100 people) Households with a television (%)	0.3	0.5 13					
Usage	3	15	10				
International voice traffic (minutes per person per month)	0.2	0.5					
Mobile telephone usage (minutes per user per month)							
Internet users (per 100 people)	0.2	1.4	5.2				
Quality							
Population covered by mobile cellular network (%)		10	54				
Fixed broadband subscribers (% of total Internet subscriber	s) 0.0	12.5	3.4				
International Internet bandwidth (bits per second per perso	n) 0	5	26				
Affordability							
Price basket for residential fixed line (\$ a month)	2.6	3.1	5.7				
Price basket for mobile service (\$ a month)		2.1	11.2				
Price basket for Internet service (\$ a month)		8.0	29.2				
Price of call to United States (\$ for 3 minutes)	5.28	2.04	2.00				
Trade							
ICT goods exports (% of total goods exports)	0.1	0.1	1.4				
ICT goods imports (% of total goods imports)	3.2	5.4	6.7				
ICT service exports (% of total service exports)							
Applications							
ICT expenditure (% of GDP)							
E-gov't Web measure index (0-1, 1=highest presence)		0.29	0.11				
Secure Internet servers (per million people)		0.9	0.5				

Netherlands

_	Country	y data	High- income group
	2000	2007	2007
Economic and social context			
Population (millions)	16	16	1,056
Urban population (% of total)	77	81	78
GNI per capita, World Bank Atlas method (\$)	26,580	45,650	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.1	1.6	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	99	98	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	С	
Mobile telephone service	С	С	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7		3.1
Mobile and fixed-line subscribers per employee	353		747
Telecommunications investment (% of revenue)	21.6		44.0
Performance			
Access			
Telephone lines (per 100 people)	62.1	44.8	50.0
Mobile cellular subscriptions (per 100 people)	67.5	117.7	100.4
Internet subscribers (per 100 people)	37.1	36.5	25.8
Personal computers (per 100 people)	39.6	91.2	67.4
Households with a television (%)	96	99	98
Usage			
International voice traffic (minutes per person per month)	25.9		14.0
Mobile telephone usage (minutes per user per month)	113	135	353
Internet users (per 100 people)	44.0	84.2	65.7
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscribers	s) 4.4	87.0	82.6
International Internet bandwidth (bits per second per persor	ı) 4,275	78,159	18,242
Affordability			
Price basket for residential fixed line (\$ a month)		30.3	26.1
Price basket for mobile service (\$ a month)		12.0	13.0
Price basket for Internet service (\$ a month)		31.0	22.8
Price of call to United States (\$ for 3 minutes)	0.56	0.32	0.81
Trade			
ICT goods exports (% of total goods exports)	22.9	18.9	15.2
ICT goods imports (% of total goods imports)	24.1	19.8	14.6
ICT service exports (% of total service exports)	5.3	11.0	7.0
Applications			
ICT expenditure (% of GDP)		6.6	6.7
E-gov't Web measure index (0-1, 1=highest presence)		0.79	
Secure Internet servers (per million people)	49.7	1,105.2	662.6

Netherlands Antilles

High income

2000 2007 2007 Economic and social context Population (millions) 0.18 0.19 1,056 Urban population (% of total) 90 92 78 GNI per capita, World Bank Atlas method (\$) 2.4 Adult literacy rate (% ages 15 and older) 2.4 Adult literacy rate (% ages 15 and older) 2.4 Adult literacy rate (% ages 15 and older) Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Internet service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) <		Country	y data	High- income group
Population (millions) 0.18 0.19 1,056 Urban population (% of total) 90 92 78 GNI per capita, World Bank Atlas method (\$) 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 2.4 Adult literacy rate (% ages 15 and older) 2.4 Adult literacy rate (% ages 15 and older) 2.4 Adult literacy rate (% ages 15 and older) Structure Separate telecommunications regulator Level of competition (competition, partial comp., monopoly) International long distance service Internet service Telecommunications revenue (% of GDP) Telecommunications investrment (% of revenue) </th <th></th> <th>2000</th> <th>2007</th> <th></th>		2000	2007	
Urban population (% of total) 90 92 78 GNI per capita, World Bank Attas method (\$) 37,572 GDP growth, 1995–2000 and 2000-07 (avg. annual %) 2.4 Adult literacy rate (% ages 15 and older) 96 99 Gross primary, secondary, and tertiary enrollment (%) 95 88 92 Structure Separate telecommunications regulator Level of competition (competition, partial comp., monopoly) Internet service Internet service Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Telecommunications (per 100 people) <td>Economic and social context</td> <td></td> <td></td> <td></td>	Economic and social context			
GNI per capita, World Bank Atlas method (\$) 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 2.4 Adult literacy rate (% ages 15 and older) 96 99 Gross primary, secondary, and tertiary enrollment (%) 95 88 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Level of competition (competition, partial comp, monopoly) International long distance service Internet service Hobile telephone service Internet service Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Performance Access Relephone lines (per 100 people)	Population (millions)	0.18	0.19	1,056
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 2.4 Adult literacy rate (% ages 15 and older) 96 99 Gross primary, secondary, and tertiary enrollment (%) 95 88 92 Structure No Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Performance Access Relephone lines (per 100 people) Performance <td< td=""><td>Urban population (% of total)</td><td>90</td><td>92</td><td>78</td></td<>	Urban population (% of total)	90	92	78
Adult literacy rate (% ages 15 and older) 96 99 Gross primary, secondary, and tertiary enrollment (%) 95 88 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Performance Access Telephone lines (per 100 people) Internet subscribters (per 100 people) Internet subscribters (per 100 people) Internet subscribters (per 100 people) <td>GNI per capita, World Bank Atlas method (\$)</td> <td></td> <td></td> <td>37,572</td>	GNI per capita, World Bank Atlas method (\$)			37,572
Gross primary, secondary, and tertiary enrollment (%) 95 88 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Nobile and fixed-line subscribers per employee Performance Access Telephone lines (per 100 people) 16.5 108.6 100.4 Internet subscriptions (per 100 people) International voice traffic (minutes per	GDP growth, 1995-2000 and 2000-07 (avg. annual %)			2.4
Gross primary, secondary, and tertiary enrollment (%) 95 88 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Nobile and fixed-line subscribers per employee Performance Access Telephone lines (per 100 people) 16.5 108.6 100.4 Internet subscriptions (per 100 people) International voice traffic (minutes per	Adult literacy rate (% ages 15 and older)		96	99
Separate telecommunications regulator No Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Mobile telephone service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Performance Access Telephone lines (per 100 people) 16.5 108.6 100.4 Internet subscriptions (per 100 people) Personal computers (per 100 people) International voice traffic (minutes per person per month) Mobile telephone usage (minutes per user per month) International voice traffic (minutes per second per person) Population covered by mobile cellular network (%)		95	88	92
Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Performance Access Telephone lines (per 100 people) 44.3 Mobile cellular subscriptions (per 100 people) Mobile cellular subscriptions (per 100 people) Internet subscribers (per 100 people) International voice traffic (minutes per person per month) International voice traffic (minutes per user per month) Mobile telephone usage (minutes per user per son) International voice traffic (minutes per second per person) Internet users (per 100 people) 1.1 65.7 Quality <td>Structure</td> <td></td> <td></td> <td></td>	Structure			
Level of competition (competition, partial comp., monopoly) International long distance service	Separate telecommunications regulator		No	
International long distance serviceMobile telephone serviceInternet serviceEfficiency and capacityTelecommunications revenue (% of GDP)Mobile and fixed-line subscribers per employee747Telecommunications investment (% of revenue)14.3PerformanceAccessTelephone lines (per 100 people)16.5108.6100.4Internet subscriptions (per 100 people)Personal computers (per 100 people)International voice traffic (minutes per person per month)Internet users (per 100 people)1.1Mobile telephone usage (minutes per user per month)International voice traffic (minutes per second per person)Population covered by mobile cellular network (%)Price basket for residential fixed line (\$ a month)Price basket for Internet service (\$ a month)Price dral to United States (\$ for 3 minutes)Price of call to United States (\$ for 3 minutes)ICT goods imports (% of total goods exports)ICT goods imports (% of total goods imports)ICT expenditure (% of GDP)ApplicationsICT expenditure (% of GDP)Internet (% of GDP)Internet (% of GDP)Internet (% of GDP)Internet (% of GDP)<	Status of main fixed-line telephone operator			
Mobile telephone serviceInternet serviceEfficiency and capacityTelecommunications revenue (% of GDP)Mobile and fixed-line subscribers per employeeTelecommunications investment (% of revenue)PerformanceAccessTelephone lines (per 100 people)44.3Nobile cellular subscriptions (per 100 people)16.5108.6Internet subscribers (per 100 people)Personal computers (per 100 people)International voice traffic (minutes per person per month)UsageInternational voice traffic (minutes per user per month)Mobile telephone usage (minutes per user per month)Nobile telephone usage (minutes per user per month)Population covered by mobile cellular network (%)Price basket for residential fixed line (\$ a month)18.242AffordabilityPrice d call to United States (\$ for 3 minutes)Price of call to United States (\$ for 3 minutes)ICT goods imports (% of total service exports)14.6Internet service (\$ a month)Price basket for residential fixed line (\$ a month)Internet service (\$ a month) <td>Level of competition (competition, partial comp., monopoly)</td> <td>1</td> <td></td> <td></td>	Level of competition (competition, partial comp., monopoly)	1		
Internet serviceEfficiency and capacityTelecommunications revenue (% of GDP)Mobile and fixed-line subscribers per employeeTelecommunications investment (% of revenue)14.3PerformanceAccessTelephone lines (per 100 people)44.3Nobile cellular subscriptions (per 100 people)16.5108.6100.4Internet subscribers (per 100 people)109.6Personal computers (per 100 people)109.7109.8VageInternational voice traffic (minutes per person per month)11.165.7QualityPopulation covered by mobile cellular network (%)Price basket for residential fixed line (\$ a month)19.926.1Price basket for residential fixed line (\$ a month)19.919.910.911.012.113.214.315.216.517.918.242AfordabilityPrice basket for newle service (\$ a month)19.919.919.919.919.919.910.110.	International long distance service			
Efficiency and capacity Telecommunications revenue (% of GDP) 3.1 Mobile and fixed-line subscribers per employee .747 Telecommunications investment (% of revenue) 14.3 Performance 14.3 Access 14.3 Telephone lines (per 100 people) 16.5 108.6 100.4 Internet subscribers (per 100 people) 25.8 Personal computers (per 100 people) 98 Usage 98 Usage 98 Usage 98 Usage International voice traffic (minutes per person per month)	Mobile telephone service			
Telecommunications revenue (% of GDP)3.1Mobile and fixed-line subscribers per employee747Telecommunications investment (% of revenue)14.3Performance14.3Access50.0Mobile cellular subscriptions (per 100 people)16.5108.6100.4Internet subscribers (per 100 people)67.4Households with a television (%)98Usage98Internet users (per 100 people)1.165.7Quality99Population covered by mobile cellular network (%)99Price basket for residential fixed line (\$ a month)18.242Affordability0.81Price doalt to United States (\$ for 3 minutes)0.81Trade0.81ICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)ICT service exports (% of total service exports)ICT expenditure (% of GDP)6.7ICT expenditure (% of GDP)6.7	Internet service			
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Telecommunications investment (% of revenue) 14.3 Performance Access 50.0 Mobile cellular subscriptions (per 100 people) 16.5 108.6 100.4 Internet subscribers (per 100 people) 16.5 108.6 100.4 Internet subscribers (per 100 people) 25.8 Personal computers (per 100 people) 67.4 Households with a television (%) 98 Usage 67.4 International voice traffic (minutes per person per month) 98 Usage 98 Internet users (per 100 people) 1.1 65.7 Quality 18,242 Affordability				
Access Telephone lines (per 100 people) 44.3 50.0 Mobile cellular subscriptions (per 100 people) 16.5 108.6 100.4 Internet subscribers (per 100 people) 25.8 Personal computers (per 100 people) 67.4 Households with a television (%) 98 Usage 98 International voice traffic (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) 65.7 Quality 99 Fixed broadband subscribers (% of total Internet subscribers) 82.6 International Internet bandwidth (bits per second per person) 18,242 Affordability Price basket for residential fixed line (\$ a month) 19.9 26.1 Price basket for Internet service (\$ a month)				14.3
Telephone lines (per 100 people) 44.3 50.0 Mobile cellular subscriptions (per 100 people) 16.5 108.6 100.4 Internet subscribers (per 100 people) 25.8 Personal computers (per 100 people) 67.4 Households with a television (%) 98 Usage 98 International voice traffic (minutes per person per month) Mobile telephone usage (minutes per user per month) Quality Population covered by mobile cellular network (%) International Internet bandwidth (bits per second per person)				
Mobile cellular subscriptions (per 100 people)16.5108.6100.4Internet subscribers (per 100 people)25.8Personal computers (per 100 people)67.4Households with a television (%)98Usage98International voice traffic (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)353Internet users (per 100 people)1.165.7QualityPopulation covered by mobile cellular network (%)99Fixed broadband subscribers (% of total Internet subscribers)18.242Affordability19.926.1Price basket for residential fixed line (\$ a month)19.926.1Price basket for Internet service (\$ a month)0.81Trade0.81ICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)14.6ICT service exports (% of total service exports)1.20.97.0Applications6.7ICT expenditure (% of GDP)6.7		44.3		50.0
Internet subscribers (per 100 people)25.8Personal computers (per 100 people)67.4Households with a television (%)98Usage98International voice traffic (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)353Internet users (per 100 people)1.165.7Quality99Fixed broadband subscribers (% of total Internet subscribers)82.6International Internet bandwidth (bits per second per person)18.242Affordability19.926.1Price basket for residential fixed line (\$ a month)19.926.1Price basket for Internet service (\$ a month)0.81Trade0.81ICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)14.6ICT service exports (% of total service exports)1.20.97.0Applications6.7ICT expenditure (% of GDP)6.7				100.4
Personal computers (per 100 people)67.4Households with a television (%)98Usage98International voice traffic (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)353Internet users (per 100 people)1.165.7Quality99Population covered by mobile cellular network (%)99Fixed broadband subscribers (% of total Internet subscribers)82.6International Internet bandwidth (bits per second per person)18,242Affordability19.926.1Price basket for residential fixed line (\$ a month)19.926.1Price basket for Internet service (\$ a month)0.81Trade0.81ICT goods exports (% of total goods exports)15.215.2ICT goods imports (% of total service exports)1.4.6ICT service exports (% of total service exports)ICT expenditure (% of GDP)6.7				25.8
Households with a television (%)98Usage14.0Mobile telephone usage (minutes per person per month)Mobile telephone usage (minutes per user per month)Quality1.165.7Population covered by mobile cellular network (%)99Fixed broadband subscribers (% of total Internet subscribers)82.6International Internet bandwidth (bits per second per person)18,242Affordability19.926.1Price basket for residential fixed line (\$ a month)19.926.1Price basket for nobile service (\$ a month)0.81Trade0.81ICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)14.6ICT service exports (% of total service exports)1.20.97.0Applications6.7				67.4
UsageInternational voice traffic (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)Mobile telephone usage (minutes per user per month)Internet users (per 100 people)1.1QualityPopulation covered by mobile cellular network (%)Prixed broadband subscribers (% of total Internet subscribers)International Internet bandwidth (bits per second per person)18,242Affordability19.926.1Price basket for residential fixed line (\$ a month)19.926.1Price basket for nobile service (\$ a month)0.81Price basket for Internet service (\$ a month)0.81Trade15.2ICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)14.6ICT service exports (% of total service exports)1.20.97.0Applications6.7				98
International voice traffic (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)353Internet users (per 100 people)1.165.7Quality99Fixed broadband subscribers (% of total Internet subscribers)82.6International Internet bandwidth (bits per second per person)18,242Affordability19.926.1Price basket for residential fixed line (\$ a month)19.926.1Price basket for nobile service (\$ a month)21.913.0Price basket for Internet service (\$ a month)0.817164Trade0.8115.2ICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)14.610.9ICT service exports (% of total service exports)1.20.97.0Applications6.7				
Mobile telephone usage (minutes per user per month)	International voice traffic (minutes per person per month)			14.0
Internet users (per 100 people)1.165.7QualityPopulation covered by mobile cellular network (%)99Fixed broadband subscribers (% of total Internet subscribers)82.6International Internet bandwidth (bits per second per person)18,242AffordabilityPrice basket for residential fixed line (\$ a month)19.926.1Price basket for mobile service (\$ a month)21.913.0Price basket for Internet service (\$ a month)0.81TradeII0.8115.2ICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)14.6ICT service exports (% of total service exports)1.20.97.0Applications6.7				353
QualityPopulation covered by mobile cellular network (%)		1.1		65.7
Population covered by mobile cellular network (%)99Fixed broadband subscribers (% of total Internet subscribers)82.6International Internet bandwidth (bits per second per person)18,242Affordability19.926.1Price basket for residential fixed line (\$ a month)19.926.1Price basket for mobile service (\$ a month)21.913.0Price basket for Internet service (\$ a month)0.81Trade0.81ICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)14.6ICT service exports (% of total service exports)1.20.97.0Applications6.7				
Fixed broadband subscribers (% of total Internet subscribers)82.6International Internet bandwidth (bits per second per person)18,242Affordability19.926.1Price basket for residential fixed line (\$ a month)19.926.1Price basket for mobile service (\$ a month)21.913.0Price basket for Internet service (\$ a month)22.8Price of call to United States (\$ for 3 minutes)0.81Trade15.2ICT goods exports (% of total goods exports)14.6ICT service exports (% of total service exports)1.20.97.0Applications6.7				99
AffordabilityPrice basket for residential fixed line (\$ a month)19.926.1Price basket for mobile service (\$ a month)21.913.0Price basket for Internet service (\$ a month)21.913.0Price basket for Internet service (\$ a month)22.8Price of call to United States (\$ for 3 minutes)0.81Trade15.2ICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)14.6ICT service exports (% of total service exports)1.20.9Applications6.7		s)		82.6
AffordabilityPrice basket for residential fixed line (\$ a month)19.926.1Price basket for mobile service (\$ a month)21.913.0Price basket for Internet service (\$ a month)21.913.0Price basket for Internet service (\$ a month)22.8Price of call to United States (\$ for 3 minutes)0.81Trade15.2ICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)14.6ICT service exports (% of total service exports)1.20.9Applications6.7	International Internet bandwidth (bits per second per person	, 1)		18,242
Price basket for mobile service (\$ a month) 21.9 13.0 Price basket for Internet service (\$ a month) 22.8 Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 14.6 ICT goods imports (% of total service exports) 1.2 0.9 ICT service exports (% of total service exports) 1.2 0.9 ICT expenditure (% of GDP) 6.7		<i>.</i>		,
Price basket for mobile service (\$ a month) 21.9 13.0 Price basket for Internet service (\$ a month) 22.8 Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 14.6 ICT goods imports (% of total service exports) 1.2 0.9 7.0 Applications 6.7	Price basket for residential fixed line (\$ a month)		19.9	26.1
Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 15.2 ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 1.2 0.9 7.0 Applications 6.7			21.9	13.0
Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 15.2 ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 1.2 0.9 7.0 Applications 6.7	Price basket for Internet service (\$ a month)			22.8
Trade ICT goods exports (% of total goods exports) 15.2 ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 1.2 0.9 7.0 Applications 6.7				0.81
ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 1.2 0.9 7.0 Applications 6.7	Trade			
ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 1.2 0.9 7.0 Applications 6.7	ICT goods exports (% of total goods exports)			15.2
ICT service exports (% of total service exports) 1.2 0.9 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7				14.6
Applications ICT expenditure (% of GDP) 6.7				7.0
ICT expenditure (% of GDP) 6.7				
				6.7
				0.60
Secure Internet servers (per million people) 166.3 711.9 662.6		166.3		662.6

New Caledonia

_	Country	y data	High- income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.21	0.24	1,056
Urban population (% of total)	62	64	78
GNI per capita, World Bank Atlas method (\$)	14,020		37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	0.2		2.4
Adult literacy rate (% ages 15 and older)		96	99
Gross primary, secondary, and tertiary enrollment (%)			92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International long distance service			
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8		3.1
Mobile and fixed-line subscribers per employee	345	637	
Telecommunications investment (% of revenue)	43.5		44.0
Performance			
Access			
Telephone lines (per 100 people)	23.9	24.8	
Mobile cellular subscriptions (per 100 people)	23.4	72.8	
Internet subscribers (per 100 people)	4.2	8.9	
Personal computers (per 100 people)	6.4	17.1	
Households with a television (%)	77	79	98
Usage			
International voice traffic (minutes per person per month)	15.2	17.9	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	14.1	33.5	65.7
Quality			
Population covered by mobile cellular network (%)	85	90	
Fixed broadband subscribers (% of total Internet subscribers		94.4	
International Internet bandwidth (bits per second per persor	ı) 9	1,650	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	27.9	35.4	
Price basket for mobile service (\$ a month)		8.3	
Price basket for Internet service (\$ a month)		80.3	
Price of call to United States (\$ for 3 minutes)	3.43	3.13	0.81
Trade			
ICT goods exports (% of total goods exports)	0.5	0.2	
ICT goods imports (% of total goods imports)	6.2	4.0	
ICT service exports (% of total service exports)	1.6	0.4	7.0
Applications			o -
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0–1, 1=highest presence)			0.60
Secure Internet servers (per million people)	32.2	101.4	662.6

New Zealand

	Country	y data	High- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	4	4	1,056
Urban population (% of total)	86	86	78
GNI per capita, World Bank Atlas method (\$)	13,460	27,080	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.5	3.4	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	99	108	92
Structure			
Separate telecommunications regulator		Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)		Thate	
International long distance service	С	С	
Mobile telephone service	C	C	
Internet service	C	C C	
	U	U	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	3.0	3.1
Mobile and fixed-line subscribers per employee	630	598	747
Telecommunications investment (% of revenue)	16.2	19.9	14.3
Performance			
Access			
Telephone lines (per 100 people)	47.5	41.3	50.0
Mobile cellular subscriptions (per 100 people)	40.0	100.5	100.4
Internet subscribers (per 100 people)	13.0	34.3	25.8
Personal computers (per 100 people)	35.8	52.6	67.4
Households with a television (%)	98	99	98
Usage			
International voice traffic (minutes per person per month)	30.8	25.8	14.0
Mobile telephone usage (minutes per user per month)	87	74	353
Internet users (per 100 people)	47.5	69.2	65.7
Quality			
Population covered by mobile cellular network (%)	97	98	99
Fixed broadband subscribers (% of total Internet subscribers	s) 0.9	58.9	82.6
International Internet bandwidth (bits per second per person	n) 65	4,544	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	17.0	28.6	26.1
Price basket for mobile service (\$ a month)		13.0	13.0
Price basket for Internet service (\$ a month)		7.3	22.8
Price of call to United States (\$ for 3 minutes)	0.80	1.30	0.81
Trade			
ICT goods exports (% of total goods exports)	2.2	2.3	15.2
ICT goods imports (% of total goods imports)	12.6	9.7	14.6
ICT service exports (% of total service exports)	6.2	5.4	7.0
Applications			
ICT expenditure (% of GDP)		5.7	6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.64	0.60
Secure Internet servers (per million people)	156.9	980.2	662.6

Nicaragua

Latin America & Caribbean

Lower middle income

	Lower	muule	meone
	Countr	v data	Lower middle- income
	2000	2007	group 2007
Former and acciel context			
Economic and social context	5	6	3,435
Population (millions) Urban population (% of total)	55	56	- /
GNI per capita, World Bank Atlas method (\$)	730	990	
	5.0	3.4	,
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.0	3.4 78	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, and tertiary enrollment (%)	70	70	
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Private	
Level of competition (competition, partial comp., monopoly			
International long distance service	М	C	
Mobile telephone service	С	C	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	3.7	3.1
Mobile and fixed-line subscribers per employee	114	334	624
Telecommunications investment (% of revenue)	5.9	24.0	25.3
Performance			
Access			
Telephone lines (per 100 people)	3.2	4.5	15.3
Mobile cellular subscriptions (per 100 people)	1.8	37.9	38.9
Internet subscribers (per 100 people)	0.3	0.4	6.0
Personal computers (per 100 people)	2.3	4.0	4.6
Households with a television (%)	59	60	79
Usage			
International voice traffic (minutes per person per month)	2.9	5.4	
Mobile telephone usage (minutes per user per month)			322
Internet users (per 100 people)	1.0	2.8	12.4
Quality			
Population covered by mobile cellular network (%)		70	80
Fixed broadband subscribers (% of total Internet subscriber	s) 4.5	80.6	40.4
International Internet bandwidth (bits per second per perso		144	199
Affordability	,		
Price basket for residential fixed line (\$ a month)	17.7	9.2	7.2
Price basket for mobile service (\$ a month)		15.1	9.8
Price basket for Internet service (\$ a month)		26.6	16.7
Price of call to United States (\$ for 3 minutes)	3.20	3.15	2.08
Trade			0
ICT goods exports (% of total goods exports)	0.1	0.2	20.6
ICT goods imports (% of total goods imports)	4.1	7.3	
ICT service exports (% of total service exports)	11.3	8.2	
Applications	0		
ICT expenditure (% of GDP)			6.5
			0.0
E-gov't Web measure index (0–1, 1=highest presence)		0.29	0.33

Niger Sub-Saharan Africa

Low income

	Country	y data	Low- income group
	2000	2007	2007
Economic and social context			
Population (millions)	11	14	1,296
Urban population (% of total)	16	16	32
GNI per capita, World Bank Atlas method (\$)	170	280	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.4	3.9	5.6
Adult literacy rate (% ages 15 and older)	9	29	64
Gross primary, secondary, and tertiary enrollment (%)	15	23	51
Structure			
Separate telecommunications regulator		Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	С	С	
Internet service	С	М	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.9	2.2	3.3
Mobile and fixed-line subscribers per employee	16	328	301
Telecommunications investment (% of revenue)			
Performance Access			
Telephone lines (per 100 people)	0.2	0.2	4.0
Mobile cellular subscriptions (per 100 people)	0.0	6.3	21.5
Internet subscribers (per 100 people)	0.0	0.0	0.8
Personal computers (per 100 people)	0.0	0.1	1.5
Households with a television (%)	5	7	16
Usage			
International voice traffic (minutes per person per month)	0.1	0.2	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.0	0.3	5.2
Quality			
Population covered by mobile cellular network (%)	13	45	54
Fixed broadband subscribers (% of total Internet subscriber	s) 0.0	5.9	3.4
International Internet bandwidth (bits per second per person	n) 0	2	26
Affordability			
Price basket for residential fixed line (\$ a month)	9.4	12.6	5.7
Price basket for mobile service (\$ a month)		15.0	11.2
Price basket for Internet service (\$ a month)		84.5	29.2
Price of call to United States (\$ for 3 minutes)	9.03		2.00
Trade			
ICT goods exports (% of total goods exports)	0.2	0.4	1.4
ICT goods imports (% of total goods imports)	2.0	4.4	6.7
ICT service exports (% of total service exports)	0.5	32.8	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0-1, 1=highest presence)		0.07	0.11
Secure Internet servers (per million people)		0.3	0.5

Nigeria

Sub-Saharan Africa

Low income

	Country	y data	Low- income group
	2000	2007	2007
Economic and social context			
Population (millions)	125	148	1,296
Urban population (% of total)	43	48	32
GNI per capita, World Bank Atlas method (\$)	270	920	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.7	6.6	5.6
Adult literacy rate (% ages 15 and older)		72	64
Gross primary, secondary, and tertiary enrollment (%)	49	56	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Р	
Mobile telephone service	С	Р	
Internet service	С	Р	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.8	3.1	3.3
Mobile and fixed-line subscribers per employee	50	256	301
Telecommunications investment (% of revenue)	37.2	0.4	
Performance			
Access			
Telephone lines (per 100 people)	0.4	1.1	4.0
Mobile cellular subscriptions (per 100 people)	0.0	27.3	21.5
Internet subscribers (per 100 people)	0.0	1.4	
Personal computers (per 100 people)	0.6	0.8	
Households with a television (%)	26	26	16
Usage			
International voice traffic (minutes per person per month)	0.2		
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.1	6.8	5.2
Quality			- 4
Population covered by mobile cellular network (%)	38	60	54
Fixed broadband subscribers (% of total Internet subscribers	·	0.0	
International Internet bandwidth (bits per second per person	ı) O	5	26
Affordability		7.4	5.7
Price basket for residential fixed line (\$ a month)			
Price basket for mobile service (\$ a month)		16.3 40.8	
Price basket for Internet service (\$ a month)	 7.15		
Price of call to United States (\$ for 3 minutes) Trade	7.15	1.49	2.00
ICT goods exports (% of total goods exports)	0.0	0.0	1.4
ICT goods imports (% of total goods imports)	3.4	6.9	6.7
ICT service exports (% of total service exports)			
Applications			
ICT expenditure (% of GDP)		3.4	
E-gov't Web measure index (0–1, 1=highest presence)		0.22	 0.11
Secure Internet servers (per million people)	 0.0	0.22	0.11
	0.0	0.0	0.5

Northern Mariana Islands

High income

2000 2007 2007 Economic and social context Population (millions) 0.08 1,056 Urban population (% of total) 90 91 76 GNI per capita, World Bank Atlas method (\$) GDP growth, 1995–2000 and 2000-07 (avg. annual %) <th></th> <th>Country</th> <th>y data</th> <th>High- income group</th>		Country	y data	High- income group
Population (millions) 0.08 1,056 Urban population (% of total) 90 91 76 GNI per capita, World Bank Atlas method (\$) 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 24 Adult literacy rate (% ages 15 and older) Gross primary, secondary, and tertiary enrollment (%) <th></th> <th>2000</th> <th>2007</th> <th></th>		2000	2007	
Urban population (% of total) 90 91 78 GNI per capita, World Bank Atlas method (\$) 37,577 GDP growth, 1995–2000 and 2000-07 (ayg. annual %) 2.4 Adult literacy rate (% ages 15 and older)	Economic and social context			
GNI per capita, World Bank Atlas method (\$) 37,577 GDP growth, 1995-2000 and 2000-07 (avg. annual %) <td>Population (millions)</td> <td></td> <td>0.08</td> <td>1,056</td>	Population (millions)		0.08	1,056
GDD growth, 1995-2000 and 2000-07 (avg. annual %) 2.4 Adult literacy rate (% ages 15 and older)	Urban population (% of total)	90	91	78
Adult literacy rate (% ages 15 and older) .	GNI per capita, World Bank Atlas method (\$)			37,572
Gross primary, secondary, and tertiary enrollment (%) 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Performance Access Telecommunications (per 100 people) Internet subscribers (per 100 people) Personal computers (per 100 people) Households with a television (%) Vage Internet subscribers (per 100 people) Internet users (per 100 people)	GDP growth, 1995-2000 and 2000-07 (avg. annual %)			2.4
Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Personal computers (per 100 people) International voice traffic (minutes per person per month) Mobile telephone usage (minutes per user per month) International voice traffic (minutes per second per person) Internet users (per 100 people)	Adult literacy rate (% ages 15 and older)			99
Separate telecommunications regulator No Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Internet subscribers (per 100 people) Households with a television (%) Vage International voice traffic (minutes per person per month) Mobile telephone usage (minutes per user per month) Population covered by mobile cellular network (%)	Gross primary, secondary, and tertiary enrollment (%)			92
Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Mobile telephone service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) Mobile and fixed-line subscribers per employee Performance Access Telecommunications investment (% of revenue) Performance Access Telephone lines (per 100 people) Internet subscribers (per 100 people) Households with a television (%) Usage Internet users (per 100 people) Population covered by mobile cellular network (%) <	Structure			
Level of competition (competition, partial comp., monopoly) International long distance service	Separate telecommunications regulator		No	
International long distance service	Status of main fixed-line telephone operator			
Mobile telephone service	Level of competition (competition, partial comp., monopoly)			
Internet serviceEfficiency and capacityTelecommunications revenue (% of GDP)Mobile and fixed-line subscribers per employeeTelecommunications investment (% of revenue)Telecommunications investment (% of revenue)PerformanceAccessTelephone lines (per 100 people)Mobile cellular subscriptions (per 100 people)Internet subscribers (per 100 people)Internet subscribers (per 100 people)Personal computers (per 100 people)Households with a television (%)UsageInternational voice traffic (minutes per person per month)Internet users (per 100 people)OualityPopulation covered by mobile cellular network (%)Price basket for residential fixed line (\$ a month)Price basket for residential fixed line (\$ a month)Price d call to United States (\$ for 3 minutes)Price of call to United States (\$ for 3 minutes)Price dods imports (% of total goods exports)ICT goods imports (% of total service exports)ICT expenditure (% of GDP)ICT expenditure (% of GDP) </td <td>International long distance service</td> <td></td> <td></td> <td></td>	International long distance service			
Efficiency and capacity Telecommunications revenue (% of GDP) 3.1 Mobile and fixed-line subscribers per employee .747 Telecommunications investment (% of revenue) 14.3 Performance 50.0 Mobile cellular subscriptions (per 100 people) 50.0 Mobile cellular subscriptions (per 100 people) 50.0 Internet subscribers (per 100 people) 67.4 Households with a television (%) 98 Usage International voice traffic (minutes per person per month) </td <td>Mobile telephone service</td> <td></td> <td></td> <td></td>	Mobile telephone service			
Telecommunications revenue (% of GDP)3.1Mobile and fixed-line subscribers per employee747Telecommunications investment (% of revenue)14.3PerformanceAccessAccessTelephone lines (per 100 people)Internet subscribers (per 100 people)Internet subscribers (per 100 people)Households with a television (%)UsageInternet users (per 100 people)Mobile telephone usage (minutes per person per month)Mobile telephone usage (minutes per user per month)Mobile telephone usage (minutes per user per month)Population covered by mobile cellular network (%)Price basket for residential fixed line (\$ a month)Price basket for residential fixed line (\$ a month)Price of call to United States (\$ for 3 minutes)Price of call to United States (\$ for 3 minutes)ICT goods imports (% of total service exports)ICT goods imports (% of total service exports)ICT goods imports (% of total service exports)	Internet service			
Telecommunications revenue (% of GDP)3.1Mobile and fixed-line subscribers per employee747Telecommunications investment (% of revenue)14.3PerformanceAccessAccessTelephone lines (per 100 people)Internet subscribers (per 100 people)Internet subscribers (per 100 people)Households with a television (%)UsageInternet users (per 100 people)Mobile telephone usage (minutes per person per month)Mobile telephone usage (minutes per user per month)Mobile telephone usage (minutes per user per month)Population covered by mobile cellular network (%)Price basket for residential fixed line (\$ a month)Price basket for residential fixed line (\$ a month)Price of call to United States (\$ for 3 minutes)Price of call to United States (\$ for 3 minutes)ICT goods imports (% of total service exports)ICT goods imports (% of total service exports)ICT goods imports (% of total service exports)	Efficiency and canacity			
Mobile and fixed-line subscribers per employee				31
Telecommunications investment (% of revenue) 14.3 Performance Access 50.0 Mobile cellular subscriptions (per 100 people) 26.2 100.4 Internet subscribers (per 100 people) 26.2 100.4 Internet subscribers (per 100 people) 26.2 100.4 Internet subscribers (per 100 people) 96 Usage International voice traffic (minutes per person per month) Vage				
AccessTelephone lines (per 100 people)50.0Mobile cellular subscriptions (per 100 people)26.2100.4Internet subscribers (per 100 people)25.8Personal computers (per 100 people)67.4Households with a television (%)Usage96International voice traffic (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)65.7Quality65.7Population covered by mobile cellular network (%)Price basket for residential fixed line (\$ a month)18.242AffordabilityPrice basket for Internet service (\$ a month)Price basket for Internet service (\$ a month)Price do all to United States (\$ for 3 minutes)ICT goods imports (% of total goods exports)ICT service exports (% of total service exports)ICT expenditure (% of GDP)6.7ICT expenditure (% of GDP)ICT expenditure (% of GDP)ICT expenditure (% of GDP)<				14.3
Mobile cellular subscriptions (per 100 people)26.2100.4Internet subscribers (per 100 people)25.8Personal computers (per 100 people)67.4Households with a television (%)98Usage98International voice traffic (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)65.7Quality65.765.7Population covered by mobile cellular network (%)9982.6International Internet bandwidth (bits per second per person)18,242AffordabilityPrice basket for residential fixed line (\$ a month) <td< td=""><td></td><td></td><td></td><td></td></td<>				
Internet subscribers (per 100 people)25.8Personal computers (per 100 people)67.4Households with a television (%)98Usage98International voice traffic (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)65.7Quality65.7Population covered by mobile cellular network (%)92Internet users (per 100 people)82.0International Internet bandwidth (bits per second per person)82.0International Internet bandwidth (bits per second per person)18.242AffordabilityPrice basket for residential fixed line (\$ a month)Price of call to United States (\$ for 3 minutes) <t< td=""><td>Telephone lines (per 100 people)</td><td></td><td></td><td>50.0</td></t<>	Telephone lines (per 100 people)			50.0
Personal computers (per 100 people)67.4Households with a television (%)98UsageInternational voice traffic (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)353Internet users (per 100 people)65.7QualityPopulation covered by mobile cellular network (%)99Prixed broadband subscribers (% of total Internet subscribers)82.6International Internet bandwidth (bits per second per person)18,242Affordability26.1Price basket for residential fixed line (\$ a month)26.1Price basket for nesidential fixed line (\$ a month)13.0Price of call to United States (\$ for 3 minutes)0.81Trade15.2ICT goods imports (% of total goods exports)14.0ICT service exports (% of total service exports)7.0Applications6.7ICT expenditure (% of GDP)6.7E-gov't Web measure index (0-1, 1=highest presence)0.60	Mobile cellular subscriptions (per 100 people)		26.2	100.4
Households with a television (%)98UsageInternational voice traffic (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)353Internet users (per 100 people)65.7QualityPopulation covered by mobile cellular network (%)99Fixed broadband subscribers (% of total Internet subscribers)82.6Internet bandwidth (bits per second per person)18,242AffordabilityPrice basket for residential fixed line (\$ a month)26.1Price basket for residential fixed line (\$ a month)0.81Price basket for laternet service (\$ a month)0.81Trade0.81ICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)14.0ICT expenditure (% of GDP)6.7E-gov't Web measure index (0-1, 1=highest presence)0.60	Internet subscribers (per 100 people)			25.8
Usage 14.0 International voice traffic (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) 353 Internet users (per 100 people) 65.7 Quality 65.7 Population covered by mobile cellular network (%) 995 Fixed broadband subscribers (% of total Internet subscribers) 82.6 International Internet bandwidth (bits per second per person) 18,242 Affordability 26.1 Price basket for residential fixed line (\$ a month) 13.0 Price basket for mobile service (\$ a month) 0.81 Price basket for Internet service (\$ a month) 0.81 Trade 0.81 ICT goods exports (% of total goods exports) 7.0 Applications 7.0 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	Personal computers (per 100 people)			67.4
International voice traffic (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)353Internet users (per 100 people)65.7Quality65.7Population covered by mobile cellular network (%)Pixed broadband subscribers (% of total Internet subscribers)International Internet bandwidth (bits per second per person)18,242Affordability26.1Price basket for residential fixed line (\$ a month)13.0Price basket for Internet service (\$ a month)0.81Price basket for lutenet service (\$ a month)0.81Trade0.81ICT goods exports (% of total goods exports)7.0Applications7.0ICT expenditure (% of GDP)6.76.7E-gov't Web measure index (0-1, 1=highest presence)0.60	Households with a television (%)			98
Mobile telephone usage (minutes per user per month)353Internet users (per 100 people)65.7QualityPopulation covered by mobile cellular network (%)95Fixed broadband subscribers (% of total Internet subscribers)82.6International Internet bandwidth (bits per second per person)18,242Affordability26.1Price basket for residential fixed line (\$ a month)13.0Price basket for Internet service (\$ a month)0.81Price basket for Internet service (\$ a month)0.81Trade0.81ICT goods exports (% of total goods exports)7.0Applications7.0ICT expenditure (% of GDP)6.7E-gov't Web measure index (0-1, 1=highest presence)0.60	Usage			
Internet users (per 100 people) 65.7 Quality Population covered by mobile cellular network (%) 99 Fixed broadband subscribers (% of total Internet subscribers) 82.6 International Internet bandwidth (bits per second per person) 18,242 Affordability 18,242 Price basket for residential fixed line (\$ a month) Price basket for mobile service (\$ a month) Price basket for Internet service (\$ a month) .0.81 Price basket for Internet service (\$ a month) .0.81 Price basket for Internet service (\$ a month) .0.81 Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total	International voice traffic (minutes per person per month)			14.0
Quality	Mobile telephone usage (minutes per user per month)			353
Population covered by mobile cellular network (%)99Fixed broadband subscribers (% of total Internet subscribers)82.6International Internet bandwidth (bits per second per person)18,242Affordability26.1Price basket for residential fixed line (\$ a month)26.1Price basket for mobile service (\$ a month)13.0Price basket for Internet service (\$ a month)22.8Price of call to United States (\$ for 3 minutes)0.81Trade0.81ICT goods exports (% of total goods exports)15.2ICT service exports (% of total goods imports)7.0Applications6.7E-gov't Web measure index (0-1, 1=highest presence)0.60	Internet users (per 100 people)			65.7
Fixed broadband subscribers (% of total Internet subscribers) 82.6 International Internet bandwidth (bits per second per person) 18,242 Affordability 18,242 Price basket for residential fixed line (\$ a month) 26.1 Price basket for residential fixed line (\$ a month) 13.0 Price basket for Internet service (\$ a month) 13.0 Price basket for Internet service (\$ a month) 0.81 Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 7.00 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	Quality			
International Internet bandwidth (bits per second per person) 18,242 Affordability Price basket for residential fixed line (\$ a month) 26.1 Price basket for mobile service (\$ a month) 13.0 Price basket for Internet service (\$ a month) 26.1 Price basket for Internet service (\$ a month) 13.0 Price basket for Internet service (\$ a month) 0.81 Trade ICT goods exports (% of total goods exports) 15.2 ICT goods imports (% of total goods imports) .14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	Population covered by mobile cellular network (%)			99
Affordability	Fixed broadband subscribers (% of total Internet subscribers	s)		82.6
Price basket for residential fixed line (\$ a month) 26.1 Price basket for mobile service (\$ a month) 13.0 Price basket for Internet service (\$ a month) 22.8 Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 14.6 ICT goods imports (% of total goods imports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	International Internet bandwidth (bits per second per persor	ı)		18,242
Price basket for mobile service (\$ a month) 13.0 Price basket for Internet service (\$ a month) 22.8 Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 14.6 ICT goods imports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	Affordability			
Price basket for Internet service (\$ a month) 22.6 Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 14.6 ICT goods imports (% of total goods imports) 7.0 Applications 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	Price basket for residential fixed line (\$ a month)			26.1
Price of call to United States (\$ for 3 minutes) 0.83 Trade ICT goods exports (% of total goods exports) 15.2 ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	Price basket for mobile service (\$ a month)			13.0
Trade ICT goods exports (% of total goods exports) 15.2 ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	Price basket for Internet service (\$ a month)			22.8
ICT goods exports (% of total goods exports) 15.2 ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	Price of call to United States (\$ for 3 minutes)			0.81
ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	Trade			
ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	ICT goods exports (% of total goods exports)			15.2
Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	ICT goods imports (% of total goods imports)			14.6
ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	ICT service exports (% of total service exports)			7.0
ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60				
E-gov't Web measure index (0-1, 1=highest presence) 0.60	ICT expenditure (% of GDP)			6.7
				0.60
	Secure Internet servers (per million people)		59.7	662.6

Norway

200020072000Economic and social contextPopulation (millions)451.0Urban population (% of total)7677GNI per capita, World Bank Atlas method (\$)35,87077,37037,5GDP growth, 1995-2000 and 2000-07 (avg. annual %)3.62.4Adult literacy rate (% ages 15 and older)Gross primary, secondary, and tertiary enrollment (%)9899StructureSeparate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorPublicMixedLevel of competition (competition, partial comp., monopoly)International long distance servicePCInternet serviceCCCMobile telephone servicePCCInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee251445TTelecommunications investment (% of revenue)89.31PerformanceAccessT10020.920.9Mobile cellular subscriptions (per 100 people)71.8110.210Internet subscriptes (per 100 people)26.784.86Mobile telephone usage (minutes per person per month)17.716.11Mobile telephone usage (minutes per second per person)87.526,90418.2Internet users (per 100 people)26.7<		Country	Country data	
Population (millions)451,0Urban population (% of total)7677GNI per capita, World Bank Atlas method (\$)35,87077,370GDP growth, 1995-2000 and 2000-07 (avg. annual %)3.62.4Adult literacy rate (% ages 15 and older)Gross primary, secondary, and tertiary enrollment (%)9899StructureStructureSeparate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorPublicMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCCCMobile telephone servicePCInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee251445445Telephone lines (per 100 people)53.542.35Mobile cellular subscriptions (per 100 people)71.8110.210Internet subscribers (per 100 people)26.234.12Personal computers (per 100 people)26.784.86Quality9797Usage1Internet users (per 100 people)26.784.86Quality9677Population covered by mobile cellular network (%)96Price basket for residential fixed line (\$ a month)25.437.92Price basket for residential fix		2000	2007	group 2007
Urban population (% of total)7677GNI per capita, World Bank Atlas method (\$)35,87077,37037,3GDP growth, 1995-2000 and 2000-07 (avg. annual %)3.62.4Adult literacy rate (% ages 15 and older)Gross primary, secondary, and tertiary enrollment (%)9899StructureSYesYesStatus of main fixed-line telephone operatorPublicMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCInternet servicePCCCInternet servicePCCCInternet serviceCCCCInternet servicePCCCEfficiency and capacityTelecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee251445Telecommunications investment (% of revenue)89.311PerformanceAccessCCCMobile cellular subscriptions (per 100 people)71.8110.210Internet subscribers (per 100 people)26.234.122Personal computers (per 100 people)26.784.86QualityPopulation covered by mobile cellular network (%)96Fixed broadband subscribers (% of total Internet subscribers)2.089.68Internet users (per 100 people)26.784.8666Quality <td< td=""><td>Economic and social context</td><td></td><td></td><td></td></td<>	Economic and social context			
GNI per capita, World Bank Atlas method (\$)35,87077,37037,9GDP growth, 1995-2000 and 2000-07 (avg. annual %)3.62.4Adult literacy rate (% ages 15 and older)Gross primary, secondary, and tertiary enrollment (%)9899StructureSeparate telecommunications regulatorYesYesSeparate telecommunication, partial comp., monopoly)International long distance serviceCCInternet serviceCCCMobile telephone servicePCCInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee251445Telecommunications investment (% of revenue)89.3PerformanceAccessTelephone lines (per 100 people)71.8110.2100Internet subscriptions (per 100 people)26.234.12Personal computers (per 100 people)9797UsageInternational voice traffic (minutes per person per month)17.716.11Mobile telephone usage (minutes per user per month)1632322International voice traffic (minutes per second per person)87.526.90418.2Internet users (per 100 people)26.784.86QualityPopulation covered by mobile cellular network (%)96Fixed broadband subscribers (% of total Internet subscribers)2.089.68Interne	Population (millions)	4	5	1,056
GDP growth, 1995-2000 and 2000-07 (avg. annual %)3.62.4Adult literacy rate (% ages 15 and older)Gross primary, secondary, and tertiary enrollment (%)9899StructureSeparate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorPublicMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCInternational long distance servicePCInternet serviceCCMobile telephone serviceCCCCInternet serviceCCCCFelecommunications revenue (% of GDP)1.41.41.4Mobile and fixed-line subscribers per employee251445445Telecommunications investment (% of revenue)89.31PerformanceAccessTelephone lines (per 100 people)71.8110.210Internet subscribers (per 100 people)26.234.12Personal computers (per 100 people)49.062.96Households with a television (%)9797 Usage International voice traffic (minutes per person per month)17.716.11Mobile telephone usage (minutes per user per month)1632323Internet users (per 100 people)26.784.86Quality96Fixed broadband subscribers (% of total Internet subscribers)2.089.6 <td< td=""><td>Urban population (% of total)</td><td>76</td><td>77</td><td>78</td></td<>	Urban population (% of total)	76	77	78
GDP growth, 1995-2000 and 2000-07 (avg. annual %)3.62.4Adult literacy rate (% ages 15 and older)Gross primary, secondary, and tertiary enrollment (%)9899StructureSeparate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorPublicMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCMobile telephone servicePCInternet serviceCCTelecommunications revenue (% of GDP)1.41.41.4Mobile and fixed-line subscribers per employee251445445Telecommunications investment (% of revenue)89.31PerformanceAccessTelephone lines (per 100 people)71.8110.210Internet subscribers (per 100 people)26.234.12Personal computers (per 100 people)97970UsageUsageUsage2323International voice traffic (minutes per person per month)17.716.11Mobile telephone usage (minutes per user per month)1632323Internet users (per 100 people)26.784.86Quality96Fixed broadband subscribers (% of total Internet subscribers)2.089.6Price basket for residential fixed line (\$ a month)25.437.92Price basket for residential fixed line (\$ a month)15.8 <td>GNI per capita, World Bank Atlas method (\$)</td> <td>35,870</td> <td>77,370</td> <td>37,572</td>	GNI per capita, World Bank Atlas method (\$)	35,870	77,370	37,572
Gross primary, secondary, and tertiary enrollment (%)9899StructureSeparate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorPublicMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCMobile telephone servicePCInternet servicePCInternet serviceCCCCEfficiency and capacityTelecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee2514451Telecommunications investment (% of revenue)89.31PerformanceAccessTelephone lines (per 100 people)71.8110.210Internet subscribers (per 100 people)71.8110.210Internet subscribers (per 100 people)49.062.96Households with a television (%)979797UsageInternational voice traffic (minutes per person per month)17.716.11Mobile telephone usage (minutes per user per month)16323233Internet users (per 100 people)26.784.86Quality96Fixed broadband subscribers (% of total Internet subscribers)2.089.68International Internet bandwidth (bits per second per person)87526,90418.3AffordabilityPrice basket for residential fixed line (\$ a month)34.62		3.6	2.4	2.4
Gross primary, secondary, and tertiary enrollment (%)9899StructureSeparate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorPublicMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCMobile telephone servicePCInternet servicePCInternet serviceCCCCMobile and fixed-line subscribers per employee251445TTelecommunications investment (% of revenue)89.31PerformanceAccessTelephone lines (per 100 people)71.8110.210Internet subscribers (per 100 people)71.8110.210Internet subscriptions (per 100 people)979797UsageInternet users (per 100 people)26.784.86Quality96Fixed broadband subscribers (% of total Internet subscribers)2.089.68Population covered by mobile cellular network (%)96Fixed broadband subscribers (% of total Internet subscribers)2.089.68AffordabilityPrice basket for residential fixed line (\$ a month)25.437.92Price basket for Internet service (\$ a month)34.62	Adult literacy rate (% ages 15 and older)			99
Separate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorPublicMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCInternational long distance servicePCInternet serviceCInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee251445Telecommunications investment (% of revenue)89.3.Telecommunications investment (% of revenue)89.3.1PerformanceAccessTelephone lines (per 100 people)71.8110.2100Internet subscribers (per 100 people)71.8110.2100Internet subscribers (per 100 people)26.234.12Personal computers (per 100 people)49.062.96Households with a television (%)97971UsageInternet users (per 100 people)26.784.86QualityPopulation covered by mobile cellular network (%)96.6Price basket for residential fixed line (\$ a month)25.437.92Price basket for internet service (\$ a month)34.62		98	99	92
Status of main fixed-line telephone operatorPublicMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCMobile telephone servicePCCInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee251445Telecommunications investment (% of revenue)89.3.1PerformanceAccessTelephone lines (per 100 people)71.8110.2100Internet subscribers (per 100 people)71.8110.2100Internet subscribers (per 100 people)26.234.12Personal computers (per 100 people)49.062.96Households with a television (%)979797UsageInternet users (per 100 people)26.784.86QualityPopulation covered by mobile cellular network (%)966Price basket for residential fixed line (\$ a month)25.437.92Price basket for mobile service (\$ a month)34.62	Structure			
Status of main fixed-line telephone operatorPublicMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceCCMobile telephone servicePCCInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee251445Telecommunications investment (% of revenue)89.31PerformanceAccessTelephone lines (per 100 people)71.8110.2100Internet subscribers (per 100 people)71.8110.2100Internet subscribers (per 100 people)26.234.12Personal computers (per 100 people)49.062.96Households with a television (%)97971UsageInternet users (per 100 people)26.784.86QualityPopulation covered by mobile cellular network (%)966Price basket for residential fixed line (\$ a month)25.437.92Price basket for mobile service (\$ a month)34.62	Separate telecommunications regulator	Yes	Yes	
Level of competition (competition, partial comp., monopoly) International long distance serviceCCMobile telephone servicePCInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee251445Telecommunications investment (% of revenue)89.3.1PerformanceAccessTelephone lines (per 100 people)53.542.35Mobile cellular subscriptions (per 100 people)71.8110.210Internet subscribers (per 100 people)26.234.12Personal computers (per 100 people)49.062.96Households with a television (%)979797UsageInternet users (per 100 people)26.784.86QualityPopulation covered by mobile cellular network (%)96.5Price basket for residential fixed line (\$ a month)25.437.92Price basket for mobile service (\$ a month)15.811Price basket for Internet service (\$ a month)34.62				
International long distance serviceCCCMobile telephone servicePCInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee251445Telecommunications investment (% of revenue)89.3PerformanceAccessTelephone lines (per 100 people)71.8110.2Internet subscribers (per 100 people)71.8110.2Internet subscribers (per 100 people)26.234.1Personal computers (per 100 people)49.062.9Households with a television (%)9797UsageInternational voice traffic (minutes per person per month)17.7Internet sues (per 100 people)26.784.8Oguality96Population covered by mobile cellular network (%)96Fixed broadband subscribers (% of total Internet subscribers)2.089.6AffordabilityPrice basket for residential fixed line (\$ a month)25.437.9Price basket for mobile service (\$ a month)15.811Price basket for Internet service (\$ a month)34.62			iiiikou	
Mobile telephone servicePCInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee251445Telecommunications investment (% of revenue)89.3PerformanceAccessTelephone lines (per 100 people)53.542.3Telephone lines (per 100 people)71.8110.2Internet subscribers (per 100 people)71.8110.2Internet subscribers (per 100 people)26.234.1Personal computers (per 100 people)49.062.9Households with a television (%)9797UsageInternational voice traffic (minutes per person per month)17.7Internet users (per 100 people)26.784.8Oguality96Population covered by mobile cellular network (%)96Fixed broadband subscribers (% of total Internet subscribers)2.089.6Affordability87.526,90418.3Price basket for residential fixed line (\$ a month)15.811Price basket for Internet service (\$ a month)34.62			C	
Internet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee251445Telecommunications investment (% of revenue)89.3PerformanceAccessTelephone lines (per 100 people)53.542.3Telephone lines (per 100 people)71.8110.2Internet subscriptions (per 100 people)71.8110.2Internet subscriptions (per 100 people)9797Usage9797Internet users (per 100 people)26.784.8Internet users (per 100 people)26.784.8Opulation covered by mobile cellular network (%)96Fixed broadband subscribers (% of total Internet subscribers)2.089.6Affordability979722Price basket for residential fixed line (\$ a month)25.437.922Price basket for Internet service (\$ a month)34.62	-			
Telecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee251445Telecommunications investment (% of revenue)89.31Performance4455Access7110.2100Internet subscriptions (per 100 people)71.8110.2100Internet subscriptions (per 100 people)26.234.12Personal computers (per 100 people)49.062.96Households with a television (%)979797Usage11632323Internet users (per 100 people)26.784.86Quality96516Population covered by mobile cellular network (%)968Fixed broadband subscribers (% of total Internet subscribers)2.089.68Affordability918,7Price basket for residential fixed line (\$ a month)15.811Price basket for Internet service (\$ a month)34.62				
Telecommunications revenue (% of GDP)1.41.4Mobile and fixed-line subscribers per employee251445Telecommunications investment (% of revenue)89.31Performance4455Access7110.2100Internet subscriptions (per 100 people)71.8110.2100Internet subscriptions (per 100 people)26.234.12Personal computers (per 100 people)49.062.96Households with a television (%)979797Usage11632323Internet users (per 100 people)26.784.86Quality96516Population covered by mobile cellular network (%)968Fixed broadband subscribers (% of total Internet subscribers)2.089.68Affordability918,7Price basket for residential fixed line (\$ a month)15.811Price basket for Internet service (\$ a month)34.62				
Mobile and fixed-line subscribers per employee251445Telecommunications investment (% of revenue)89.31Performance42.35Access71.8110.2100Internet subscribers (per 100 people)71.8110.2100Internet subscribers (per 100 people)26.234.12Personal computers (per 100 people)49.062.960Households with a television (%)979797Usage10016323233Internet users (per 100 people)26.784.860Quality9653.526.90418,2Prixed broadband subscribers (% of total Internet subscribers)2.089.688International Internet bandwidth (bits per second per person)87526,90418,2Price basket for residential fixed line (\$ a month)25.437.92Price basket for mobile service (\$ a month)34.62		1.4	1.4	2.1
Telecommunications investment (% of revenue)89.31PerformanceAccess53.542.355Mobile cellular subscriptions (per 100 people)71.8110.2100Internet subscribers (per 100 people)26.234.122Personal computers (per 100 people)26.234.122Personal computers (per 100 people)49.062.966Households with a television (%)9797Usage11.7.716.111International voice traffic (minutes per person per month)16323232Internet users (per 100 people)26.784.866Quality96Population covered by mobile cellular network (%)9681.6International Internet bandwidth (bits per second per person)87526,90418,3Affordability9792Price basket for residential fixed line (\$ a month)15.811Price basket for Internet service (\$ a month)34.62				
Performance Access Telephone lines (per 100 people) 53.5 42.3 55 Mobile cellular subscriptions (per 100 people) 71.8 110.2 100 Internet subscribers (per 100 people) 26.2 34.1 22 Personal computers (per 100 people) 49.0 62.9 66 Households with a television (%) 97 97 97 Usage International voice traffic (minutes per person per month) 17.7 16.1 1 Mobile telephone usage (minutes per user per month) 163 232 33 Internet users (per 100 people) 26.7 84.8 66 Quality Population covered by mobile cellular network (%) 96 Fixed broadband subscribers (% of total Internet subscribers) 2.0 89.6 88 International Internet bandwidth (bits per second per person) 875 26,904 18,3 Affordability Price basket for residential fixed line (\$ a month) 15.8 11 Price basket for Internet service (\$ a month) 34.6 2 <			445	
Access Telephone lines (per 100 people) 53.5 42.3 55 Mobile cellular subscriptions (per 100 people) 71.8 110.2 100 Internet subscribers (per 100 people) 26.2 34.1 22 Personal computers (per 100 people) 49.0 62.9 66 Households with a television (%) 97 97 7 Usage 163 232 33 International voice traffic (minutes per person per month) 17.7 16.1 11 Mobile telephone usage (minutes per user per month) 163 232 33 International voice traffic (minutes per user per month) 163 232 33 Internet users (per 100 people) 26.7 84.8 66 Quality 55 26,904 18,3 Population covered by mobile cellular network (%) 96 International Internet bandwidth (bits per second per person) 875 26,904 18,3 Affordability <	lelecommunications investment (% of revenue)	89.3		14.3
Telephone lines (per 100 people) 53.5 42.3 5 Mobile cellular subscriptions (per 100 people) 71.8 110.2 10 Internet subscribers (per 100 people) 26.2 34.1 2 Personal computers (per 100 people) 49.0 62.9 6 Households with a television (%) 97 97 7 Usage 163 232 3 International voice traffic (minutes per person per month) 17.7 16.1 1 1 Mobile telephone usage (minutes per user per month) 163 232 3 3 International voice traffic (minutes per user per month) 163 24.8 6 Quality 96 Fixed broadband subscribers (% of total Internet subscribers) 2.0 89.6 8 International Internet bandwidth (bits per second per person) 875 26,904 18,3 Affordability 37.9 2 Price basket for residential fixed line (\$ a month) .5 34.6 2 <td></td> <td></td> <td></td> <td></td>				
Mobile cellular subscriptions (per 100 people)71.8110.210Internet subscribers (per 100 people)26.234.12Personal computers (per 100 people)49.062.962Households with a television (%)979797UsageInternational voice traffic (minutes per person per month)17.716.11Mobile telephone usage (minutes per user per month)1632323International voice traffic (minutes per user per month)1632323Internet users (per 100 people)26.784.86Quality965566,904Population covered by mobile cellular network (%)965Fixed broadband subscribers (% of total Internet subscribers)2.089.68International Internet bandwidth (bits per second per person)87526,90418,2Affordability915.81Price basket for residential fixed line (\$ a month)34.62Price basket for Internet service (\$ a month)34.62	Access			
Internet subscribers (per 100 people)26.234.12Personal computers (per 100 people)49.062.962Households with a television (%)979797Usage11.716.111.3International voice traffic (minutes per person per month)16323253International voice traffic (minutes per user per month)16323253International voice traffic (minutes per user per month)16323253Internet users (per 100 people)26.784.866Quality965466Population covered by mobile cellular network (%)9666International Internet bandwidth (bits per second per person)87526,90418,3Affordability9725.437.922Price basket for residential fixed line (\$ a month)15.811Price basket for Internet service (\$ a month)34.62	Telephone lines (per 100 people)	53.5	42.3	50.0
Personal computers (per 100 people)49.062.9<	Mobile cellular subscriptions (per 100 people)	71.8	110.2	100.4
Households with a television (%)979797UsageInternational voice traffic (minutes per person per month)17.716.11Mobile telephone usage (minutes per user per month)16323233Internet users (per 100 people)26.784.866Quality965Propulation covered by mobile cellular network (%)96Fixed broadband subscribers (% of total Internet subscribers)2.089.688International Internet bandwidth (bits per second per person)87526,90418,3Affordability97979797Price basket for residential fixed line (\$ a month)25.437.922Price basket for Internet service (\$ a month)34.622	Internet subscribers (per 100 people)	26.2	34.1	25.8
UsageInternational voice traffic (minutes per person per month)17.716.11Mobile telephone usage (minutes per user per month)1632323Internet users (per 100 people)26.784.86Quality26.784.86Population covered by mobile cellular network (%)96Fixed broadband subscribers (% of total Internet subscribers)2.089.68International Internet bandwidth (bits per second per person)87526,90418,7Affordability237.92Price basket for residential fixed line (\$ a month)15.81Price basket for Internet service (\$ a month)34.62	Personal computers (per 100 people)	49.0	62.9	67.4
International voice traffic (minutes per person per month)17.716.11Mobile telephone usage (minutes per user per month)16323233Internet users (per 100 people)26.784.866QualityPopulation covered by mobile cellular network (%)96Fixed broadband subscribers (% of total Internet subscribers)2.089.688International Internet bandwidth (bits per second per person)87526.90418.3AffordabilityPrice basket for residential fixed line (\$ a month)25.437.922Price basket for nobile service (\$ a month)15.811Price basket for Internet service (\$ a month)34.62	Households with a television (%)	97	97	98
Mobile telephone usage (minutes per user per month)16323233Internet users (per 100 people)26.784.866Quality96Population covered by mobile cellular network (%)96Fixed broadband subscribers (% of total Internet subscribers)2.089.68International Internet bandwidth (bits per second per person)87526,90418,3Affordability9696Price basket for residential fixed line (\$ a month)25.437.92Price basket for Internet service (\$ a month)15.81Price basket for Internet service (\$ a month)34.62	Usage			
Internet users (per 100 people) 26.7 84.8 6 Quality Population covered by mobile cellular network (%) 96 Fixed broadband subscribers (% of total Internet subscribers) 2.0 89.6 8 International Internet bandwidth (bits per second per person) 875 26,904 18,7 Affordability Price basket for residential fixed line (\$ a month) 25.4 37.9 2 Price basket for mobile service (\$ a month) 15.8 1 Price basket for Internet service (\$ a month) 34.6 2	International voice traffic (minutes per person per month)	17.7	16.1	14.0
Quality96Population covered by mobile cellular network (%)96Fixed broadband subscribers (% of total Internet subscribers)2.089.68International Internet bandwidth (bits per second per person)87526,90418,7Affordability25.437.92Price basket for residential fixed line (\$ a month)25.437.92Price basket for mobile service (\$ a month)15.81Price basket for Internet service (\$ a month)34.62	Mobile telephone usage (minutes per user per month)	163	232	353
Population covered by mobile cellular network (%) 96 Fixed broadband subscribers (% of total Internet subscribers) 2.0 89.6 8 International Internet bandwidth (bits per second per person) 875 26,904 18,7 Affordability Price basket for residential fixed line (\$ a month) 25.4 37.9 2 Price basket for mobile service (\$ a month) 15.8 1 Price basket for Internet service (\$ a month) 34.6 2	Internet users (per 100 people)	26.7	84.8	65.7
Fixed broadband subscribers (% of total Internet subscribers)2.089.68International Internet bandwidth (bits per second per person)87526,90418,7Affordability25.437.92Price basket for residential fixed line (\$ a month)25.437.81Price basket for mobile service (\$ a month)15.81Price basket for Internet service (\$ a month)34.62	Quality			
International Internet bandwidth (bits per second per person)87526,90418,7AffordabilityPrice basket for residential fixed line (\$ a month)25.437.92Price basket for mobile service (\$ a month)15.81Price basket for Internet service (\$ a month)34.62	Population covered by mobile cellular network (%)	96		99
Affordability25.437.92Price basket for residential fixed line (\$ a month)25.437.92Price basket for mobile service (\$ a month)15.81Price basket for Internet service (\$ a month)34.62	Fixed broadband subscribers (% of total Internet subscriber	s) 2.0	89.6	82.6
Price basket for residential fixed line (\$ a month) 25.4 37.9 2 Price basket for mobile service (\$ a month) 15.8 1 Price basket for Internet service (\$ a month) 34.6 2	International Internet bandwidth (bits per second per person	n) 875	26,904	18,242
Price basket for mobile service (\$ a month) 15.8 1 Price basket for Internet service (\$ a month) 34.6 2	Affordability			
Price basket for Internet service (\$ a month) 34.6 2	Price basket for residential fixed line (\$ a month)	25.4	37.9	26.1
	Price basket for mobile service (\$ a month)		15.8	13.0
	Price basket for Internet service (\$ a month)		34.6	22.8
		0.40		0.81
Trade	Trade			
ICT goods exports (% of total goods exports) 2.4 1.8 1	ICT goods exports (% of total goods exports)	2.4	1.8	15.2
ICT service exports (% of total service exports) 5.4 4.2				
Applications				
			4.4	6.7
		81.8		

Oman

High income

	Country	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	2	3	1,056
Urban population (% of total)	72	72	78
GNI per capita, World Bank Atlas method (\$)	6,720	12,860	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.2	4.7	2.4
Adult literacy rate (% ages 15 and older)		84	99
Gross primary, secondary, and tertiary enrollment (%)	68	67	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	М	Р	
Internet service		М	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	2.7	3.1
Mobile and fixed-line subscribers per employee	186	858	747
Telecommunications investment (% of revenue)	19.0	63.9	14.3
Performance Access			
Telephone lines (per 100 people)	9.2	10.3	50.0
Mobile cellular subscriptions (per 100 people)	6.7	96.2	100.4
Internet subscribers (per 100 people)	1.0	2.7	25.8
Personal computers (per 100 people)	3.3	7.1	67.4
Households with a television (%)	79	79	98
Usage			
International voice traffic (minutes per person per month)	9.2	3.1	14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	3.7	13.1	65.7
Quality Population covered by mobile cellular network (%)	91	96	99
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	28.9	82.6
International Internet bandwidth (bits per second per person	n) 16	142	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	13.1	8.9	26.1
Price basket for mobile service (\$ a month)		5.5	13.0
Price basket for Internet service (\$ a month)		14.5	22.8
Price of call to United States (\$ for 3 minutes)	7.89	1.87	0.81
Trade			
ICT goods exports (% of total goods exports)	0.6	0.8	15.2
ICT goods imports (% of total goods imports)	3.7	3.8	14.6
ICT service exports (% of total service exports)			7.0
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.48	0.60
Secure Internet servers (per million people)	0.8	12.1	662.6

Pakistan

South Asia

Low income

	Country	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	138	162	1,296
Urban population (% of total)	33	36	32
GNI per capita, World Bank Atlas method (\$)	490	860	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.0	5.6	5.6
Adult literacy rate (% ages 15 and older)	43	54	64
Gross primary, secondary, and tertiary enrollment (%)	37	40	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	С	
Mobile telephone service	P	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	2.7	3.3
Mobile and fixed-line subscribers per employee	50	50	
Telecommunications investment (% of revenue)	19.5	1.7	
	19.5	1.7	
Performance Access			
	2.2	3.0	4.0
Telephone lines (per 100 people)	0.2	38.7	
Mobile cellular subscriptions (per 100 people)	0.2	2.2	
Internet subscribers (per 100 people)			0.8 1.5
Personal computers (per 100 people)	0.4 37	 47	1.5
Households with a television (%) Usage	51	47	10
International voice traffic (minutes per person per month)	0.6	0.9	
Mobile telephone usage (minutes per user per month)		154	
Internet users (per 100 people)	 1.4	10.8	5.2
Quality	1.4	10.8	5.2
Population covered by mobile cellular network (%)	27	90	54
Fixed broadband subscribers (% of total Internet subscribers		1.3	3.4
International Internet bandwidth (bits per second per persor		44	26
Affordability	i) 0	44	20
Price basket for residential fixed line (\$ a month)	6.9	4.1	5.7
Price basket for mobile service (\$ a month)		2.4	
		2.4 9.4	
Price basket for Internet service (\$ a month)	 3.60	9.4 1.03	
Price of call to United States (\$ for 3 minutes)	5.00	1.05	2.00
Trade		0.5	1.4
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)		7.2	
ICT service exports (% of total service exports)	15.4	6.8	
Applications			
ICT expenditure (% of GDP)		5.6	
E-gov't Web measure index (0–1, 1=highest presence)		0.42	0.11
Secure Internet servers (per million people)	0.0	0.5	0.5

Palau

East Asia & Pacific

Upper middle income

East Asia & Pacific	Upper middle		lie income		
	Countr	Country data		Upper middle ntry data	
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	0.02	0.02	824		
Urban population (% of total)	70	79	75		
GNI per capita, World Bank Atlas method (\$)	6,260	8,270	7,107		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.2	1.9	4.3		
Adult literacy rate (% ages 15 and older)			94		
Gross primary, secondary, and tertiary enrollment (%)	87	97			
Structure					
Separate telecommunications regulator		No	1		
Status of main fixed-line telephone operator					
Level of competition (competition, partial comp., monopoly)					
International long distance service					
Mobile telephone service					
Internet service					
Efficiency and capacity					
Telecommunications revenue (% of GDP)	4.4	5.6	3.3		
Mobile and fixed-line subscribers per employee		170	566		
Telecommunications investment (% of revenue)		32.5			
Performance					
Access					
Telephone lines (per 100 people)	34.7	37.0	22.6		
Mobile cellular subscriptions (per 100 people)	12.3	53.0	84.1		
Internet subscribers (per 100 people)	5.2	5.8	9.4		
Personal computers (per 100 people)			12.4		
Households with a television (%)			92		
Usage					
International voice traffic (minutes per person per month)					
Mobile telephone usage (minutes per user per month)			137		
Internet users (per 100 people)	20.0	27.3	26.6		
Quality					
Population covered by mobile cellular network (%)		41	95		
Fixed broadband subscribers (% of total Internet subscribers		8.0			
International Internet bandwidth (bits per second per person) 150	499	1,185		
Affordability					
Price basket for residential fixed line (\$ a month)					
Price basket for mobile service (\$ a month)					
Price basket for Internet service (\$ a month)					
Price of call to United States (\$ for 3 minutes)			1.55		
Trade					
ICT goods exports (% of total goods exports)			13.5		
ICT goods imports (% of total goods imports)					
ICT service exports (% of total service exports)			4.6		
Applications			_		
ICT expenditure (% of GDP)					
E-gov't Web measure index (0–1, 1=highest presence)		0.18			
Secure Internet servers (per million people)	51.0	50.5	26.2		

Panama

Upper middle income

	Country	Country data		
-	2000	2007	group 2007	
Economic and social context				
Population (millions)	3	3	824	
Urban population (% of total)	66	72	75	
GNI per capita, World Bank Atlas method (\$)	3,740	5,500	7,107	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.0	6.0		
Adult literacy rate (% ages 15 and older)	92	93	94	
Gross primary, secondary, and tertiary enrollment (%)	76	80	82	
Structure				
Separate telecommunications regulator	Yes	Yes		
Status of main fixed-line telephone operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International long distance service	М	С		
Mobile telephone service	Р	Р		
Internet service	С	С		
Efficiency and capacity				
Telecommunications revenue (% of GDP)	3.8	3.5		
Mobile and fixed-line subscribers per employee	153	229	566	
Telecommunications investment (% of revenue)				
Performance				
Access				
Telephone lines (per 100 people)	14.5	14.8		
Mobile cellular subscriptions (per 100 people)	13.9	90.1		
Internet subscribers (per 100 people)	1.5	5.0		
Personal computers (per 100 people)	3.6	4.6		
Households with a television (%) Usage	78	87	92	
International voice traffic (minutes per person per month)	4.6	5.5		
Mobile telephone usage (minutes per user per month)			137	
Internet users (per 100 people)	6.6	22.3	26.6	
Quality	74	01	0.5	
Population covered by mobile cellular network (%)		81		
Fixed broadband subscribers (% of total Internet subscribers		86.9		
International Internet bandwidth (bits per second per persor	ı) 112	15,977	1,185	
Affordability		10.3	10.6	
Price basket for residential fixed line (\$ a month)				
Price basket for mobile service (\$ a month)		16.7 38.5		
Price basket for Internet service (\$ a month)	4.26		4 50	
Price of call to United States (\$ for 3 minutes)	4.36		1.55	
Trade	0.4	0.0	13.5	
ICT goods exports (% of total goods exports)	0.4 8.2	0.0 6.7		
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)		6.7 4.6		
Applications		4.0	4.0	
ICT expenditure (% of GDP)		5.9	5.2	
E-gov't Web measure index (0-1, 1=highest presence)		5.9 0.41		
	 9.6	86.9		
Secure Internet servers (per million people)	9.0	00.9	20.2	

Papua New Guinea

East Asia & Pacific

Low income

	Country	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	5	6	1,296
Urban population (% of total)	13	13	32
GNI per capita, World Bank Atlas method (\$)	620	850	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	-0.8	2.3	5.6
Adult literacy rate (% ages 15 and older)	57	58	64
Gross primary, secondary, and tertiary enrollment (%)	41	41	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	М	М	
Internet service	Р	Р	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.3		3.3
Mobile and fixed-line subscribers per employee	41		301
Telecommunications investment (% of revenue)	82.6		
Performance			
Access			
Telephone lines (per 100 people)	1.2	0.9	
Mobile cellular subscriptions (per 100 people)	0.2	4.7	
Internet subscribers (per 100 people)	0.5		
Personal computers (per 100 people)	5.2	6.4	
Households with a television (%) Usage	8	10	16
International voice traffic (minutes per person per month)	0.7		
Mobile telephone usage (minutes per person per month)			
Internet users (per 100 people)	0.8	 1.8	 5.2
Quality	0.0	1.0	0.2
Population covered by mobile cellular network (%)			54
Fixed broadband subscribers (% of total Internet subscribers			3.4
International Internet bandwidth (bits per second per persor		1	
Affordability	., -	-	20
Price basket for residential fixed line (\$ a month)	20.1	4.9	5.7
Price basket for mobile service (\$ a month)		14.6	
Price basket for Internet service (\$ a month)		25.1	29.2
Price of call to United States (\$ for 3 minutes)	4.32		2.00
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	1.4
ICT goods imports (% of total goods imports)	3.6	4.1	
ICT service exports (% of total service exports)		2.2	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.09	0.11
Secure Internet servers (per million people)		1.1	0.5

<u>Paraguay</u>

Latin America & Caribbean

Lower middle income

		inituale	Lower
	Country	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	5	6	3,435
Urban population (% of total)	55	60	42
GNI per capita, World Bank Atlas method (\$)	1,350	1,710	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	0.1	3.3	
Adult literacy rate (% ages 15 and older)		95	83
Gross primary, secondary, and tertiary enrollment (%)	70	69	
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Μ	
Mobile telephone service	С	C	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	4.8	3.1
Mobile and fixed-line subscribers per employee	123	799	624
Telecommunications investment (% of revenue)	26.3		25.3
Performance			
Access			
Telephone lines (per 100 people)	5.3	6.4	15.3
Mobile cellular subscriptions (per 100 people)	15.4	76.7	38.9
Internet subscribers (per 100 people)	0.5	1.2	6.0
Personal computers (per 100 people)	1.3	7.8	
Households with a television (%)	75	79	79
Usage			
International voice traffic (minutes per person per month)	1.6	2.9	
Mobile telephone usage (minutes per user per month)	62	231	322
Internet users (per 100 people) Quality	0.7	8.7	12.4
Population covered by mobile cellular network (%)			80
Fixed broadband subscribers (% of total Internet subscribers	s) 0.5	69.4	40.4
International Internet bandwidth (bits per second per person	ı) 2	163	199
Affordability			
Price basket for residential fixed line (\$ a month)	18.0	6.4	7.2
Price basket for mobile service (\$ a month)		3.4	9.8
Price basket for Internet service (\$ a month)		12.5	16.7
Price of call to United States (\$ for 3 minutes)	0.97	0.90	2.08
Trade			
ICT goods exports (% of total goods exports)	0.2	0.4	20.6
ICT goods imports (% of total goods imports)	11.1	28.6	20.2
ICT service exports (% of total service exports)	1.8	2.2	15.6
Applications			
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0–1, 1=highest presence)		0.44	
Secure Internet servers (per million people)	0.7	5.6	1.8

Peru

Latin America & Caribbean	Lower	middle	income
	Country	Country data	
	2000	2007	2007
Economic and social context			
Population (millions)	26	28	3,435
Urban population (% of total)	71	71	42
GNI per capita, World Bank Atlas method (\$)	2,080	3,410	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.4	5.4	8.0
Adult literacy rate (% ages 15 and older)		90	83
Gross primary, secondary, and tertiary enrollment (%)	88	86	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.9	3.1
Mobile and fixed-line subscribers per employee	473	624	624
Telecommunications investment (% of revenue)	22.2	16.6	25.3
Performance			
Access			
Telephone lines (per 100 people)	6.7	9.6	
Mobile cellular subscriptions (per 100 people)	5.0	55.3	
Internet subscribers (per 100 people)	0.5	3.7	
Personal computers (per 100 people)	4.1	10.3	
Households with a television (%) Usage	67	73	79
International voice traffic (minutes per person per month)	1.8	8.3	
Mobile telephone usage (minutes per user per month)		73	
Internet users (per 100 people)	3.1	27.4	
Quality			
Population covered by mobile cellular network (%)		92	80
Fixed broadband subscribers (% of total Internet subscribers	6) 0.8	47.1	40.4
International Internet bandwidth (bits per second per person) 4	2,704	199
Affordability			
Price basket for residential fixed line (\$ a month)	18.9	18.8	7.2
Price basket for mobile service (\$ a month)		23.0	9.8
Price basket for Internet service (\$ a month)		23.2	16.7
Price of call to United States (\$ for 3 minutes)	2.08	1.80	2.08
Trade			
ICT goods exports (% of total goods exports)	0.4	0.1	
ICT goods imports (% of total goods imports)	10.1	8.0	
ICT service exports (% of total service exports)	5.8	2.6	15.6
Applications		_	
ICT expenditure (% of GDP)		3.9	
E-gov't Web measure index (0–1, 1=highest presence)		0.57	
Secure Internet servers (per million people)	1.3	10.2	1.8

Philippines

East Asia & Pacific

Lower middle income

	Country	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	76	88	3,435
Urban population (% of total)	59	64	42
GNI per capita, World Bank Atlas method (\$)	1,050	1,620	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.5	5.1	8.0
Adult literacy rate (% ages 15 and older)	93	93	83
Gross primary, secondary, and tertiary enrollment (%)	79	81	68
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly))		
International long distance service	С	С	
Mobile telephone service	С	C	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	4.4	3.1
Mobile and fixed-line subscribers per employee	482	1,555	624
Telecommunications investment (% of revenue)	47.4	24.4	25.3
Performance			
Access			
Telephone lines (per 100 people)	4.0	4.5	15.3
Mobile cellular subscriptions (per 100 people)	8.5	58.9	38.9
Internet subscribers (per 100 people)	0.5	2.8	
Personal computers (per 100 people)	1.9	7.3	
Households with a television (%)	53	63	79
Usage International voice traffic (minutes per person per month)	2.3	2.4	
Mobile telephone usage (minutes per user per month) Internet users (per 100 people)	 2.0	 6.0	
Quality	2.0	0.0	12.4
Population covered by mobile cellular network (%)	70	99	80
Fixed broadband subscribers (% of total Internet subscriber	s) 0.0	19.8	40.4
International Internet bandwidth (bits per second per person		114	
Affordability			
Price basket for residential fixed line (\$ a month)	12.3	13.3	7.2
Price basket for mobile service (\$ a month)		5.3	9.8
Price basket for Internet service (\$ a month)		2.2	
Price of call to United States (\$ for 3 minutes)	2.07	1.20	
Trade			
ICT goods exports (% of total goods exports)	69.4	29.1	20.6
ICT goods imports (% of total goods imports)	42.7	20.6	20.2
ICT service exports (% of total service exports)	7.6	7.0	
Applications			
ICT expenditure (% of GDP)		5.7	
E-gov't Web measure index (0–1, 1=highest presence)		0.51	
Secure Internet servers (per million people)	0.9	4.6	1.8

Poland

Europe & Central Asia	e & Central Asia Upper middle i		income
	Countr	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	38	38	824
Urban population (% of total)	62	61	
GNI per capita, World Bank Atlas method (\$)	4,570	9,850	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	5.4	4.1	
Adult literacy rate (% ages 15 and older)		99	
Gross primary, secondary, and tertiary enrollment (%)	86	87	
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	Р	С	
Internet service	С		
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	3.7	3.3
Mobile and fixed-line subscribers per employee	256	566	566
Telecommunications investment (% of revenue)	19.4	19.2	
Performance			
Access			
Telephone lines (per 100 people)	28.5	27.1	
Mobile cellular subscriptions (per 100 people)	17.5	108.6	
Internet subscribers (per 100 people)	2.4	10.5	
Personal computers (per 100 people)	6.9	16.9	
Households with a television (%) Usage	96	89	92
International voice traffic (minutes per person per month)	4.2	5.1	
Mobile telephone usage (minutes per user per month)	161	101	137
Internet users (per 100 people)	7.3	44.0	26.6
Quality			
Population covered by mobile cellular network (%)	95	99	95
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	86.0	47.8
International Internet bandwidth (bits per second per person	n) 20	2,748	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	14.0	21.0	10.6
Price basket for mobile service (\$ a month)		7.6	10.9
Price basket for Internet service (\$ a month)		11.7	16.4
Price of call to United States (\$ for 3 minutes)	2.92	1.35	1.55
Trade			
ICT goods exports (% of total goods exports)	4.5	5.6	
ICT goods imports (% of total goods imports)	10.5	9.6	
ICT service exports (% of total service exports)	2.8	4.0	4.6
Applications			
ICT expenditure (% of GDP)		6.0	
E-gov't Web measure index (0–1, 1=highest presence)		0.54	
Secure Internet servers (per million people)	8.5	84.7	26.2

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Portugal

_	Country	y data	High- income group
	2000	2007	2007
Economic and social context			
Population (millions)	10	11	1,056
Urban population (% of total)	54	59	78
GNI per capita, World Bank Atlas method (\$)	11,590	18,950	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.2	0.9	2.4
Adult literacy rate (% ages 15 and older)		95	99
Gross primary, secondary, and tertiary enrollment (%)	92	90	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	С	
Mobile telephone service	Р	С	
Internet service	С	C	
Efficiency and capacity			;
Telecommunications revenue (% of GDP)	4.5	4.5	3.1
Mobile and fixed-line subscribers per employee	594	1,365	
Telecommunications investment (% of revenue)	22.7	16.4	
Performance			
Access			
Telephone lines (per 100 people)	42.3	39.5	50.0
Mobile cellular subscriptions (per 100 people)	65.2	126.8	100.4
Internet subscribers (per 100 people)	6.3	15.2	25.8
Personal computers (per 100 people)	10.3	17.2	67.4
Households with a television (%)	100	99	98
Usage			
International voice traffic (minutes per person per month)	11.4	14.8	14.0
Mobile telephone usage (minutes per user per month)	133	120	353
Internet users (per 100 people)	16.4	40.1	65.7
Quality			
Population covered by mobile cellular network (%)	99	99	99
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	94.6	82.6
International Internet bandwidth (bits per second per person	ı) 49	4,790	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	17.4	31.8	26.1
Price basket for mobile service (\$ a month)		23.1	13.0
Price basket for Internet service (\$ a month)		38.1	22.8
Price of call to United States (\$ for 3 minutes)	0.83	1.04	0.81
Trade			
ICT goods exports (% of total goods exports)	7.8	9.0	15.2
ICT goods imports (% of total goods imports)	9.0	9.3	14.6
ICT service exports (% of total service exports)	2.7	4.8	7.0
Applications			
ICT expenditure (% of GDP)		5.7	6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.60	
Secure Internet servers (per million people)	13.4	115.2	662.6

Puerto Rico

2000 2007 2007 Economic and social context Population (millions) 4 4 1,056 Urban population (% of total) 95 98 78 GNI per capita, World Bank Atlas method (\$) 10,560 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.4 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 92 Structure Separate telecommunications regulator Level of competition (competition, partial comp., monopoly) Internet service Elevel of competition (competition, partial comp., monopoly) Internet service Elevel of competition (competition (Soft GDP) 3.2 Telecommunications investment (% of revenue) <t< th=""><th></th><th colspan="2">Country data</th><th>High- income group</th></t<>		Country data		High- income group	
Population (millions) 4 4 1,056 Urban population (% of total) 95 98 78 GNI per capita, World Bank Atlas method (\$) 10,560 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.4 4 Adult literacy rate (% ages 15 and older)		2000	2007		
Urban population (% of total) 95 98 78 GNI per capita, World Bank Atlas method (\$) 10,560 37,572 GDP growth, 1995–2000 and 2000-07 (avg. annual %) 4.4 .	Economic and social context				
Urban population (% of total) 95 98 78 GNI per capita, World Bank Atlas method (\$) 10,560 .37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.4 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.4 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.4 Gord provide and the end of the en	Population (millions)	4	4	1.056	
GNI per capita, World Bank Atlas method (\$) 10,560 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.4 99 Gross primary, secondary, and tertiary enrollment (%) 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 3.2 Performance Access Telephone lines (per 100 people) 24.3 85.7 100.4 Internet subscriptors (per 100 people) 24.3 85.7 100.4 Internet subscriptors (per 100 people) 0.7 0.8 67.4 Households with a television (%) 87 97 98	,	95	98	,	
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 4.4 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enroliment (%) 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Internet service Mobile telephone service Internet service Pelecommunications revenue (% of GDP) 3.2 3.1 Mobile and fixed-line subscribers per employee 387 747 Telecommunications investment (% of revenue) 14.3 Performance Access Telecommutes (per 100 people) 24.3 85.7 100.4 Internet subscribers (per 100 people) 0.6 25.8 Personal computers (per 100 people) <		10.560		37.572	
Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Internet service Befficiency and capacity Telecommunications revenue (% of GDP) 3.2 3.1 Mobile and fixed-line subscribers per employee 387 747 Telecommunications investment (% of revenue) 14.3 Performance Access 14.3 Relephone lines (per 100 people) 24.3 85.7 100.4 Internet subscribers (per 100 people) 0.6 25.8 Personal computers (per 100 people) 0.7 0.8 67.4 Households with a television (%) 14.0 Mobile telephone usage (minutes per person per month) 14.0 Mobile t					
Gross primary, secondary, and tertiary enrollment (%) 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service Internet service Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 3.2 3.1 Mobile and fixed-line subscribers per employee 387 747 Telecommunications investment (% of revenue) 14.3 Performance Access 14.3 Performance Access 14.3 Performance Access Interret subscriptors (per 100 people) 0.7 </td <td></td> <td></td> <td></td> <td>99</td>				99	
Separate telecommunications regulator No Status of main fixed-line telephone operator Level of competition (competition, partial comp., monopoly) International long distance service International long distance service Mobile telephone service Internet service Fficiency and capacity Telecommunications revenue (% of GDP) 3.2 Mobile and fixed-line subscribers per employee 387 Performance Access Telephone lines (per 100 people) 24.3 85.7 100.4 Internet subscribers (per 100 people) 0.7 0.8 67.4 Households with a television (%) 87 97 98 Usage 14.0 Mobile telephone usage (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) 14.0 Mobile telephone usa				92	
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Status of main fixed-line telephone operator . . Level of competition (competition, partial comp., monopoly) International long distance service . Mobile telephone service . . Internet service . . Efficiency and capacity . . Telecommunications revenue (% of GDP) 3.2 . Mobile and fixed-line subscribers per employee 387 . Performance . . . Access . . . Telephone lines (per 100 people) 34.0 26.5 50.0 Mobile cellular subscriptions (per 100 people) 24.3 85.7 100.4 Internet subscribers (per 100 people) 0.6 . 25.8 Personal computers (per 100 people) 0.7 0.8 67.4 Households with a television (%) 87 97 98 Usage 14.0 Mobile telephone usage (minutes per person per month) . . 14.0 Mobile telephone usage (minutes per person per month) . . . 25.4			No		
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Telephone lines (per 100 people) 34.0 26.5 50.0 Mobile cellular subscriptions (per 100 people) 24.3 85.7 100.4 Internet subscribers (per 100 people) 6.6 25.8 Personal computers (per 100 people) 0.7 0.8 67.4 Households with a television (%) 87 97 98 Usage 14.0 Mobile telephone usage (minutes per person per month) 17.58 353 Internet users (per 100 people) 10.5 25.4 65.7 Quality Population covered by mobile cellular network (%) 100 99 Fixed broadband subscribers (% of total Internet subscribers) 8.9 82.6 International Internet bandwidth (bits per second per person) 20 511 18,242 Affordability 13.0 710 98 Price basket for residential fixed line (\$ a month) 22.8 Price basket for Internet service (\$ a month) 0.81 Trade 0.81 I	Performance				
Mobile cellular subscriptions (per 100 people) 24.3 85.7 100.4 Internet subscribers (per 100 people) 6.6 25.8 Personal computers (per 100 people) 0.7 0.8 67.4 Households with a television (%) 87 97 98 Usage 14.0 International voice traffic (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) 1758 353 Internet users (per 100 people) 10.5 25.4 65.7 Quality Population covered by mobile cellular network (%) 100 99 Fixed broadband subscribers (% of total Internet subscribers) 8.9 82.6 International Internet bandwidth (bits per second per person) 20 511 18,242 Affordability 13.0 Price basket for Internet service (\$ a month) 22.8 Price basket for Internet service (\$ a month) 0.81 Trade ICT goods e	Access				
Internet subscribers (per 100 people) 6.6	Telephone lines (per 100 people)	34.0	26.5	50.0	
Personal computers (per 100 people)0.70.867.4Households with a television (%)879798Usage14.0Mobile telephone usage (minutes per person per month)1.758353International voice traffic (minutes per user per month)1.758353Internet users (per 100 people)10.525.465.7QualityPopulation covered by mobile cellular network (%)10099Fixed broadband subscribers (% of total Internet subscribers)8.982.6International Internet bandwidth (bits per second per person)2051118.242Affordability13.0Price basket for residential fixed line (\$ a month)13.0Price basket for Internet service (\$ a month)0.81Trade15.2ICT goods exports (% of total goods exports)14.6ICT service exports (% of total service exports)7.0Applications6.7ICT expenditure (% of GDP)6.7Event Web measure index (0-1, 1=highest presence)0.60	Mobile cellular subscriptions (per 100 people)	24.3	85.7	100.4	
Households with a television (%)879798UsageInternational voice traffic (minutes per person per month)14.0Mobile telephone usage (minutes per user per month)1.758353Internet users (per 100 people)10.525.465.7Quality10099Fixed broadband subscribers (% of total Internet subscribers)8.982.6International Internet bandwidth (bits per second per person)2051118,242Affordability13.013.0Price basket for residential fixed line (\$ a month)13.0Price of call to United States (\$ for 3 minutes)0.81Trade15.2ICT goods imports (% of total goods exports)14.6ICT service exports (% of total goods imports)14.6ICT expenditure (% of GDP)6.7Ergov't Web measure index (0-1, 1=highest presence)6.76.7	Internet subscribers (per 100 people)	6.6		25.8	
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International voice traffic (minutes per person per month) 14.0 Mobile telephone usage (minutes per user per month) 1,758 353 Internet users (per 100 people) 10.5 25.4 65.7 <i>Quality</i> Population covered by mobile cellular network (%) 100 99 Fixed broadband subscribers (% of total Internet subscribers) 8.9 82.6 International Internet bandwidth (bits per second per person) 20 511 18,242 <i>Affordability</i> Price basket for residential fixed line (\$ a month) 33.5 26.1 Price basket for residential fixed month) 13.0 Price basket for Internet service (\$ a month) 13.0 Price basket for Internet service (\$ a month) 0.81 <i>Trade</i> ICT goods exports (% of total goods exports) 15.2 ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 7.0 <i>Applications</i> ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	Households with a television (%)	87	97	98	
Mobile telephone usage (minutes per user per month)1,758353Internet users (per 100 people)10.525.465.7Quality10099Fixed broadband subscribers (% of total Internet subscribers)8.982.6International Internet bandwidth (bits per second per person)2051118,242Affordability33.526.1Price basket for residential fixed line (\$ a month)13.0Price basket for Internet service (\$ a month)13.0Price basket for Internet service (\$ a month)0.81Trade0.81ICT goods exports (% of total goods exports)14.6ICT service exports (% of total service exports)7.0Applications6.7E.gov't Web measure index (0-1, 1=highest presence)0.60	Usage				
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QualityPopulation covered by mobile cellular network (%)10099Fixed broadband subscribers (% of total Internet subscribers)8.982.6International Internet bandwidth (bits per second per person)2051118,242Affordability2051118,242Price basket for residential fixed line (\$ a month)33.526.1Price basket for mobile service (\$ a month)13.0Price basket for Internet service (\$ a month)22.8Price of call to United States (\$ for 3 minutes)0.81Trade15.215.2ICT goods exports (% of total goods exports)7.0Applications7.0Applications6.7ICT expenditure (% of GDP)6.7E.gov't Web measure index (0-1, 1=highest presence)0.600	Mobile telephone usage (minutes per user per month)		1,758	353	
Population covered by mobile cellular network (%)10099Fixed broadband subscribers (% of total Internet subscribers)8.982.6International Internet bandwidth (bits per second per person)2051118,242Affordability33.526.1Price basket for residential fixed line (\$ a month)33.526.1Price basket for mobile service (\$ a month)13.0Price basket for Internet service (\$ a month)22.8Price of call to United States (\$ for 3 minutes)0.81Trade15.2ICT goods exports (% of total goods exports)14.6ICT service exports (% of total goods imports)7.0Applications6.7ICT expenditure (% of GDP)6.7E.gov't Web measure index (0-1, 1=highest presence)0.60	Internet users (per 100 people)	10.5	25.4	65.7	
Fixed broadband subscribers (% of total Internet subscribers)8.982.6International Internet bandwidth (bits per second per person)2051118,242Affordability33.526.1Price basket for residential fixed line (\$ a month)13.0Price basket for Internet service (\$ a month)13.0Price basket for Internet service (\$ a month)Price basket for Internet service (\$ a month)Price of call to United States (\$ for 3 minutes)0.81Trade15.2ICT goods exports (% of total goods exports)14.6ICT service exports (% of total service exports)7.0ApplicationsICT expenditure (% of GDP)6.7E.gov't Web measure index (0-1, 1=highest presence)0.60	Quality				
International Internet bandwidth (bits per second per person)2051118,242AffordabilityPrice basket for residential fixed line (\$ a month)33.526.1Price basket for mobile service (\$ a month)13.0Price basket for Internet service (\$ a month)22.8Price of call to United States (\$ for 3 minutes)0.81TradeICT goods exports (% of total goods exports)15.2ICT goods imports (% of total goods imports)7.0ApplicationsICT expenditure (% of GDP)6.7E.gov't Web measure index (0-1, 1=highest presence)0.60	Population covered by mobile cellular network (%)		100	99	
Affordability Price basket for residential fixed line (\$ a month) 33.5 26.1 Price basket for mobile service (\$ a month) 13.0 Price basket for Internet service (\$ a month) 22.8 Price basket for Internet service (\$ a month) 22.8 Price basket for Internet service (\$ a month) 0.81 Trade 0.81 ICT goods exports (% of total goods exports) .15.2 ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 7.00 Applications 6.7 ICT expenditure (% of GDP) 6.7 E.gov't Web measure index (0-1, 1=highest presence) 0.60	Fixed broadband subscribers (% of total Internet subscribers	s) 8.9		82.6	
Affordability Price basket for residential fixed line (\$ a month) 33.5 26.1 Price basket for mobile service (\$ a month) 13.0 Price basket for Internet service (\$ a month) 22.8 Price basket for Internet service (\$ a month) 22.8 Price basket for Internet service (\$ a month) 0.81 Trade 0.81 ICT goods exports (% of total goods exports) .15.2 ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 7.00 Applications 6.7 ICT expenditure (% of GDP) 6.7 E.gov't Web measure index (0-1, 1=highest presence) 0.60	International Internet bandwidth (bits per second per persor	n) 20	511	18,242	
Price basket for mobile service (\$ a month) 13.0 Price basket for Internet service (\$ a month) 22.8 Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	Affordability				
Price basket for Internet service (\$ a month) 22.8 Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60	Price basket for residential fixed line (\$ a month)		33.5	26.1	
Price of call to United States (\$ for 3 minutes) 0.81 Trade 15.2 ICT goods exports (% of total goods exports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.600	Price basket for mobile service (\$ a month)			13.0	
Trade ICT goods exports (% of total goods exports) .15.2 ICT goods imports (% of total goods imports) .14.6 ICT service exports (% of total service exports) .7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.600	Price basket for Internet service (\$ a month)			22.8	
Trade ICT goods exports (% of total goods exports) .15.2 ICT goods imports (% of total goods imports) .14.6 ICT service exports (% of total service exports) .7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.600	Price of call to United States (\$ for 3 minutes)			0.81	
ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60					
ICT goods imports (% of total goods imports) 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60				15.2	
ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60				14.6	
Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60					
ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.60				-	
E-gov't Web measure index (0-1, 1=highest presence) 0.60				6.7	
	Secure Internet servers (per million people)				

Qatar

High income

	Country	Country data	
	2000	2007	2007
Economic and social context			
Population (millions)	0.62	0.84	1,056
Urban population (% of total)	95	96	78
GNI per capita, World Bank Atlas method (\$)			37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)		8.4	2.4
Adult literacy rate (% ages 15 and older)		93	99
Gross primary, secondary, and tertiary enrollment (%)	80	78	92
Structure			
Separate telecommunications regulator		Yes	
Status of main fixed-line telephone operator	Mixed	Public	
Level of competition (competition, partial comp., monopoly)		
International long distance service	М	Р	
Mobile telephone service	М	Р	
Internet service	М	Р	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.9	1.9	3.1
Mobile and fixed-line subscribers per employee	169	597	
Telecommunications investment (% of revenue)	10.8	22.5	
Performance			
Access			
Telephone lines (per 100 people)	26.0	28.4	50.0
Mobile cellular subscriptions (per 100 people)	19.6	151.2	100.4
Internet subscribers (per 100 people)	1.7	10.4	25.8
Personal computers (per 100 people)	14.6	19.1	67.4
Households with a television (%)	85	84	98
Usage			
International voice traffic (minutes per person per month)	32.1	41.1	14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	4.9	42.0	65.7
Quality			
Population covered by mobile cellular network (%)	95	100	99
Fixed broadband subscribers (% of total Internet subscriber	s) 0.0	80.9	82.6
International Internet bandwidth (bits per second per perso	n) 69	2,781	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	10.1	10.1	26.1
Price basket for mobile service (\$ a month)		8.9	13.0
Price basket for Internet service (\$ a month)		16.4	22.8
Price of call to United States (\$ for 3 minutes)	4.45	1.95	0.81
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	15.2
ICT goods imports (% of total goods imports)	5.1	7.6	14.6
ICT service exports (% of total service exports)			7.0
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0-1, 1=highest presence)		0.39	0.60

Romania

Europe & Central Asia

Upper middle income

Europe & Central Asia	opper	iniuule	income
	Countr	v data	Upper middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	22	22	824
Urban population (% of total)	54	54	
GNI per capita, World Bank Atlas method (\$)	1,690	6,390	7,107
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	-2.1	6.1	4.3
Adult literacy rate (% ages 15 and older)	97	98	94
Gross primary, secondary, and tertiary enrollment (%)	68	77	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	C	
Mobile telephone service	С	C	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.3	3.5	3.3
Mobile and fixed-line subscribers per employee	151	617	566
Telecommunications investment (% of revenue)	67.8	21.5	
Performance			
Access			
Telephone lines (per 100 people)	17.4	19.8	
Mobile cellular subscriptions (per 100 people)	11.1	106.2	
Internet subscribers (per 100 people)	1.7	10.0	
Personal computers (per 100 people)	3.2	19.2	
Households with a television (%) Usage	90	90	92
International voice traffic (minutes per person per month)	2.9	3.4	
Mobile telephone usage (minutes per user per month)		289	137
Internet users (per 100 people)	3.6	23.9	26.6
Quality			
Population covered by mobile cellular network (%)	97	98	95
Fixed broadband subscribers (% of total Internet subscribers	s) 4.3	90.5	47.8
International Internet bandwidth (bits per second per person	i) 4	2,945	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	10.6	7.2	10.6
Price basket for mobile service (\$ a month)		10.5	10.9
Price basket for Internet service (\$ a month)		17.0	16.4
Price of call to United States (\$ for 3 minutes)	2.49	0.82	1.55
Trade			
ICT goods exports (% of total goods exports)	5.3	3.1	
ICT goods imports (% of total goods imports)	12.0	7.6	
ICT service exports (% of total service exports)	10.8	16.3	4.6
Applications			
ICT expenditure (% of GDP)		5.3	
E-gov't Web measure index (0–1, 1=highest presence)		0.41	
Secure Internet servers (per million people)	2.4	15.5	26.2

Russian Federation

Europe & Central Asia	Upper	income	
	Countr	eteb v	Upper middle- income
-			group
	2000	2007	2007
Economic and social context			
Population (millions)	146	142	824
Urban population (% of total)	73	73	75
GNI per capita, World Bank Atlas method (\$)	1,710	7,530	
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.2	6.6	
Adult literacy rate (% ages 15 and older)	99	100	
Gross primary, secondary, and tertiary enrollment (%)		89	82
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	Р	P	
Mobile telephone service	С	С	
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	2.6	3.3
Mobile and fixed-line subscribers per employee	83	439	566
Telecommunications investment (% of revenue)	11.5		
Performance			
Access			
Telephone lines (per 100 people)	21.9	31.1	
Mobile cellular subscriptions (per 100 people)	2.2	114.9	
Internet subscribers (per 100 people)	0.3	21.5	
Personal computers (per 100 people)	6.4	13.3	
Households with a television (%) Usage	98	98	92
International voice traffic (minutes per person per month)	1.1		
Mobile telephone usage (minutes per user per month)	137	195	
Internet users (per 100 people)	2.0	21.1	26.6
Quality			
Population covered by mobile cellular network (%)		95	95
Fixed broadband subscribers (% of total Internet subscribers	6) 0.0	13.1	47.8
International Internet bandwidth (bits per second per person	ı) 21	573	1,185
Affordability			
Price basket for residential fixed line (\$ a month)		9.5	10.6
Price basket for mobile service (\$ a month)		5.9	10.9
Price basket for Internet service (\$ a month)		13.2	16.4
Price of call to United States (\$ for 3 minutes)	2.56	2.03	1.55
Trade			
ICT goods exports (% of total goods exports)	0.8	0.5	
ICT goods imports (% of total goods imports)	5.6	10.1	
ICT service exports (% of total service exports)	4.6	6.0	4.6
Applications			
ICT expenditure (% of GDP)		4.1	
E-gov't Web measure index (0–1, 1=highest presence)		0.33	
Secure Internet servers (per million people)	2.0	7.3	26.2

Rwanda

Sub-Saharan Africa

Low income

	Country data		Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	8	10	1,296
Urban population (% of total)	14	18	32
GNI per capita, World Bank Atlas method (\$)	240	320	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	10.1	5.8	5.6
Adult literacy rate (% ages 15 and older)	65		64
Gross primary, secondary, and tertiary enrollment (%)	48	51	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Р	
Mobile telephone service	М	Р	
Internet service		С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.0	3.2	3.3
Mobile and fixed-line subscribers per employee	189	1,040	301
Telecommunications investment (% of revenue)	93.1	15.8	
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.2	4.0
Mobile cellular subscriptions (per 100 people)	0.5	6.5	21.5
Internet subscribers (per 100 people)	0.0	0.1	0.8
Personal computers (per 100 people)	0.1	0.3	1.5
Households with a television (%)	2	2	16
Usage			
International voice traffic (minutes per person per month)		0.9	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.1	1.1	5.2
Quality			
Population covered by mobile cellular network (%)	50	90	• •
Fixed broadband subscribers (% of total Internet subscribers		45.6	
International Internet bandwidth (bits per second per persor	i) O	16	26
Affordability			
Price basket for residential fixed line (\$ a month)	8.4	7.8	
Price basket for mobile service (\$ a month)		11.5	
Price basket for Internet service (\$ a month)		79.7	29.2
Price of call to United States (\$ for 3 minutes)	11.23	2.43	2.00
Trade	0.0	0.0	
ICT goods exports (% of total goods exports)	0.0	0.8	
ICT goods imports (% of total goods imports)	9.3	8.0	
ICT service exports (% of total service exports)		1.9	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.27	0.11
Secure Internet servers (per million people)	0.1	0.3	0.5

Samoa

Lower middle income

	Lower minute			
	Country data		Lower middle- income	
-	2000	2007	group 2007	
Economic and social context				
Population (millions)	0.17	0.18	3,435	
Urban population (% of total)	22	23	42	
GNI per capita, World Bank Atlas method (\$)	1,390	2,700	1,905	
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.3	3.9	8.0	
Adult literacy rate (% ages 15 and older)		99	83	
Gross primary, secondary, and tertiary enrollment (%)	72	74	68	
Structure				
Separate telecommunications regulator		Yes	;	
Status of main fixed-line telephone operator		Public	:	
Level of competition (competition, partial comp., monopoly)				
International long distance service		M		
Mobile telephone service		P	•	
Internet service		C		
Efficiency and capacity				
Telecommunications revenue (% of GDP)	4.2	4.7	3.1	
Mobile and fixed-line subscribers per employee	55	95	624	
Telecommunications investment (% of revenue)	13.3		25.3	
Performance				
Access				
Telephone lines (per 100 people)	4.9	10.9	15.3	
Mobile cellular subscriptions (per 100 people)	1.4	47.4	38.9	
Internet subscribers (per 100 people)	0.2			
Personal computers (per 100 people)	0.6	2.3		
Households with a television (%)	88	88	79	
Usage				
International voice traffic (minutes per person per month)	12.8	12.8		
Mobile telephone usage (minutes per user per month)				
Internet users (per 100 people)	0.6	4.4	12.4	
Quality				
Population covered by mobile cellular network (%)			40.4	
Fixed broadband subscribers (% of total Internet subscribers				
International Internet bandwidth (bits per second per person) 1	50	199	
Affordability	6.0	6 7	7.2	
Price basket for residential fixed line (\$ a month)	6.9	6.7		
Price basket for mobile service (\$ a month)		7.7 10.3		
Price basket for Internet service (\$ a month)	 1 26			
Price of call to United States (\$ for 3 minutes) Trade	1.36		2.00	
ICT goods exports (% of total goods exports)	0.3	6.6	20.6	
ICT goods imports (% of total goods imports)	3.4	2.9		
ICT service exports (% of total service exports)	5.4	2.9		
Applications		0.7	15.0	
ICT expenditure (% of GDP)			6.5	
E-gov't Web measure index (0-1, 1=highest presence)		0.18		
Secure Internet servers (per million people)	 11.5	11.0		
ספטופ ווונפווופג פרויפוס (אבו ווווווטוו אפטאופ)	11.5	11.0	1.0	

<u>San Marino</u>

High income

International social context group 2000 2007 2007 Economic and social context Population (millions) 0.03 1.056 Urban population (% of total) 93 94 78 GNI per capita, World Bank Atlas method (\$) 46,770 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %)		Countr	Country data		Country data i	
Population (millions) 0.03 1,056 Urban population (% of total) 93 94 78 GNI per capita, World Bank Atlas method (\$) 46,770 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 99 Gross primary, secondary, and tertiary enrollment (%) 99 Gross primary, secondary, and tertiary enrollment (%) 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service C C Internet service Telecommunications revenue (% of GDP) 0.4 0.4 3.1 Mobile telephone sines (per 100 people) 68.9 50.0 Mobile cellular subscriptions (per 100 people) 68 98 Usage 19.3 25.8 Personal computers (per 100 people)		2000	2007			
Urban population (% of total) 93 94 78 GNI per capita, World Bank Atlas method (\$)	Economic and social context					
GNI per capita, World Bank Atlas method (\$) 46,770 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.9 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M M Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 0.4 0.4 3.1 Mobile and fixed-line subscribers per employee 497 438 747 Telecommunications investment (% of revenue) 62.9 45.6 14.3 Performance Access 68.9 50.0 Mobile cellular subscriptions (per 100 people) 68.9 50.0 Mobile telephone usage (minutes per person per month) 497.4 497.43 Internet subscribers (per 100 peop	Population (millions)		0.03	1,056		
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GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.9 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enroliment (%) 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service C C Internet service Felecommunications revenue (% of GDP) 0.4 0.4 3.1 Mobile and fixed-line subscribers per employee 497 438 747 Telecommunications investment (% of revenue) 62.9 45.6 14.3 Performance Access 68.9 50.0 Mobile cellular subscriptions (per 100 people) 68.9 50.0 Mobile cellular subscriptions (per 100 people) 68 98 Vage 68 98 Use holds with a television (%) 68 98 <td></td> <td></td> <td>46.770</td> <td>37.572</td>			46.770	37.572		
Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 92 Structure Separate telecommunications regulator No Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M M Mobile telephone service C C Internet service Efficiency and capacity Telecommunications revenue (% of GDP) 0.4 0.4 3.1 Mobile and fixed-line subscribers per employee 497 438 747 Telecommunications investment (% of revenue) 62.9 45.6 14.3 Performance Access Access a 68.9 50.0 Mobile cellular subscriptions (per 100 people) 68.9 50.0 Mobile telephone usage (minutes per person per month) 495.6 14.0 Mouseholds with a television (%) 68 Usage						
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ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.20 0.60						
E-gov't Web measure index (0-1, 1=highest presence) 0.20 0.60				6.7		
			0.20			
	Secure Internet servers (per million people)					

São Tomé and Principe

Sub-Saharan Africa

Low income

	Country	Country data		Country data	
	2000	2007	group 2007		
Economic and social context					
Population (millions)	0.14	0.16	1,296		
Urban population (% of total)	53	60	32		
GNI per capita, World Bank Atlas method (\$)		870	574		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)		6.7	5.6		
Adult literacy rate (% ages 15 and older)	85	88	64		
Gross primary, secondary, and tertiary enrollment (%)	61	65	51		
Structure					
Separate telecommunications regulator		Yes			
Status of main fixed-line telephone operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly					
International long distance service	, М	М			
Mobile telephone service		M			
Internet service		M			
Efficiency and capacity Telecommunications revenue (% of GDP)	6.6	8.0	3.3		
Mobile and fixed-line subscribers per employee	43	8.0 466			
Telecommunications investment (% of revenue)	43	400			
Performance					
Access					
Telephone lines (per 100 people)	3.3	4.8	4.0		
Mobile cellular subscriptions (per 100 people)	0.0	19.0	21.5		
Internet subscribers (per 100 people)	0.3	1.6	0.8		
Personal computers (per 100 people)	1.0	3.9	1.5		
Households with a television (%)	24	42	16		
Usage					
International voice traffic (minutes per person per month)	2.2	1.4			
Mobile telephone usage (minutes per user per month)		62			
Internet users (per 100 people)	4.6	14.6	5.2		
Quality					
Population covered by mobile cellular network (%)		20	54		
Fixed broadband subscribers (% of total Internet subscriber	s) 0.0	12.2	3.4		
International Internet bandwidth (bits per second per perso	n) 14	51	26		
Affordability					
Price basket for residential fixed line (\$ a month)	9.4		5.7		
Price basket for mobile service (\$ a month)		16.7	11.2		
Price basket for Internet service (\$ a month)		39.4	29.2		
Price of call to United States (\$ for 3 minutes)	5.56	5.11	2.00		
Trade					
ICT goods exports (% of total goods exports)	0.0	0.1	1.4		
ICT goods imports (% of total goods imports)	1.0	5.1	6.7		
ICT service exports (% of total service exports)	10.0	10.0			
Applications					
ICT expenditure (% of GDP)					
E-gov't Web measure index (0-1, 1=highest presence)		0.11	0.11		
Secure Internet servers (per million people)		24.9	0.5		

Saudi Arabia

High income

	Country	Country data		Country data	
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	21	24	1,056		
Urban population (% of total)	80	83	78		
GNI per capita, World Bank Atlas method (\$)	8,140	15,470	37,572		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.3	4.1	2.4		
Adult literacy rate (% ages 15 and older)	79	85	99		
Gross primary, secondary, and tertiary enrollment (%)		76	92		
Structure					
Separate telecommunications regulator	No	Yes			
Status of main fixed-line telephone operator	Public	Mixed			
Level of competition (competition, partial comp., monopoly)					
International long distance service	М	С			
Mobile telephone service	М	C			
Internet service	С	C			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	2.4	3.0	3.1		
Mobile and fixed-line subscribers per employee	189	933	747		
Telecommunications investment (% of revenue)	33.9	20.8	14.3		
Performance					
Access					
Telephone lines (per 100 people)	14.3	16.5	50.0		
Mobile cellular subscriptions (per 100 people)	6.7	117.5	100.4		
Internet subscribers (per 100 people)	1.0	7.6	25.8		
Personal computers (per 100 people)	6.3	14.8	67.4		
Households with a television (%)	93	99	98		
Usage					
International voice traffic (minutes per person per month)	7.3	18.0	14.0		
Mobile telephone usage (minutes per user per month)			353		
Internet users (per 100 people)	2.2	26.4	65.7		
Quality					
Population covered by mobile cellular network (%)	92	98	99		
Fixed broadband subscribers (% of total Internet subscribers	s) 3.5	12.1	82.6		
International Internet bandwidth (bits per second per persor	n) 16	510	18,242		
Affordability					
Price basket for residential fixed line (\$ a month)	11.7	9.3	26.1		
Price basket for mobile service (\$ a month)		9.7	13.0		
Price basket for Internet service (\$ a month)		21.3	22.8		
Price of call to United States (\$ for 3 minutes)	5.20		0.81		
Trade					
ICT goods exports (% of total goods exports)	0.1	0.3	15.2		
ICT goods imports (% of total goods imports)	5.1	7.8	14.6		
ICT service exports (% of total service exports)			7.0		
Applications			o -		
ICT expenditure (% of GDP)		4.7	6.7		
E-gov't Web measure index (0–1, 1=highest presence)		0.46	0.60		
Secure Internet servers (per million people)	0.5	8.3	662.6		

Senegal

Sub-Saharan Africa

Low income

	Country	Country data		Country data	
	2000	2007	group 2007		
Economic and social context					
Population (millions)	10	12	1,296		
Urban population (% of total)	41	42	32		
GNI per capita, World Bank Atlas method (\$)	490	830	574		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.4	4.5	5.6		
Adult literacy rate (% ages 15 and older)	39	42	64		
Gross primary, secondary, and tertiary enrollment (%)	33	40	51		
Structure					
Separate telecommunications regulator	No	Yes			
Status of main fixed-line telephone operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International long distance service	М	С			
Mobile telephone service	Р	C			
Internet service	С	C			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	4.2	9.9	3.3		
Mobile and fixed-line subscribers per employee	324	1,859	301		
Telecommunications investment (% of revenue)	40.4	1,859	301		
	+0.+	10.7			
Performance Access					
Telephone lines (per 100 people)	2.0	2.2	4.0		
Mobile cellular subscriptions (per 100 people)	2.0	2.2	21.5		
Internet subscribers (per 100 people)	0.1	0.3	0.8		
Personal computers (per 100 people)	1.5	2.1	1.5		
Households with a television (%)	26	2.1 41	1.5		
Usage	20	71	10		
International voice traffic (minutes per person per month)	1.4	2.2			
Mobile telephone usage (minutes per person per month)	1.4	2.2			
Internet users (per 100 people)	0.4	6.6			
Quality	0.4	0.0	5.2		
Population covered by mobile cellular network (%)		85	54		
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	97.5			
International Internet bandwidth (bits per second per person	·	137	26		
Affordability	., 0	101	20		
Price basket for residential fixed line (\$ a month)	8.7	10.5	5.7		
Price basket for mobile service (\$ a month)		9.0			
Price basket for Internet service (\$ a month)		40.4			
Price of call to United States (\$ for 3 minutes)	2.23	1.02			
Trade	2.20	1.02	2.00		
ICT goods exports (% of total goods exports)	0.2	0.5	1.4		
ICT goods imports (% of total goods imports)	3.2	4.0			
ICT service exports (% of total goods imports)	13.5	18.0			
Applications	10.0	10.0			
ICT expenditure (% of GDP)		10.9			
E-gov't Web measure index (0–1, 1=highest presence)		0.31	0.11		
Secure Internet servers (per million people)	0.1	1.0	0.11		
	0.1	1.0	0.5		

Serbia

Europe & Central Asia	Upper	dle income	
	Countr	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	8	7	824
Urban population (% of total)	51	52	75
GNI per capita, World Bank Atlas method (\$)	1,470	4,540	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	0.0	5.6	4.3
Adult literacy rate (% ages 15 and older)			94
Gross primary, secondary, and tertiary enrollment (%)			82
Structure			
Separate telecommunications regulator		Yes	
Status of main fixed-line telephone operator		Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service		Р	
Mobile telephone service		С	
Internet service		C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	5.0	3.3
Mobile and fixed-line subscribers per employee	247	787	566
Telecommunications investment (% of revenue)	28.0	31.2	
Performance			
Access			
Telephone lines (per 100 people)	32.0	40.6	22.6
Mobile cellular subscriptions (per 100 people)	17.3	114.5	84.1
Internet subscribers (per 100 people)	0.4	13.7	
Personal computers (per 100 people)	3.2	24.4	12.4
Households with a television (%) Usage	92	80	92
International voice traffic (minutes per person per month)	11.3	12.0	
Mobile telephone usage (minutes per user per month)	11.5	91	
Internet users (per 100 people)	 5.3	20.3	
Quality	5.5	20.3	20.0
Population covered by mobile cellular network (%)	77	92	95
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	32.2	47.8
International Internet bandwidth (bits per second per persor		2,861	1,185
Affordability			
Price basket for residential fixed line (\$ a month)		2.6	10.6
Price basket for mobile service (\$ a month)		5.8	10.9
Price basket for Internet service (\$ a month)		8.9	16.4
Price of call to United States (\$ for 3 minutes)			1.55
Trade			
ICT goods exports (% of total goods exports)			13.5
ICT goods imports (% of total goods imports)			16.2
ICT service exports (% of total service exports)			4.6
Applications			
ICT expenditure (% of GDP)			5.2
E-gov't Web measure index (0–1, 1=highest presence)		0.35	
Secure Internet servers (per million people)		2.4	26.2

Seychelles

Sub-Saharan Africa

Upper middle income

	Country	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	0.08	0.09	824
Urban population (% of total)	51	54	
GNI per capita, World Bank Atlas method (\$)	7,420	8,960	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	6.6	-0.2	
Adult literacy rate (% ages 15 and older)	92		94
Gross primary, secondary, and tertiary enrollment (%)	87	82	82
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	Р	С	
Mobile telephone service	Р	Р	
Internet service	Р	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	6.5	8.2	3.3
Mobile and fixed-line subscribers per employee	126		566
Telecommunications investment (% of revenue)	10.3	20.3	
Performance			
Access			
Telephone lines (per 100 people)	25.4	26.7	22.6
Mobile cellular subscriptions (per 100 people)	32.0	90.9	84.1
Internet subscribers (per 100 people)	1.6	6.8	
Personal computers (per 100 people)	13.6	21.2	
Households with a television (%)	86	86	92
Usage			
International voice traffic (minutes per person per month)	11.4		
Mobile telephone usage (minutes per user per month)			137
Internet users (per 100 people) Quality	7.4	37.6	26.6
Population covered by mobile cellular network (%)	97	98	95
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	60.2	47.8
International Internet bandwidth (bits per second per person	ı) 25	517	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	18.0	18.1	10.6
Price basket for mobile service (\$ a month)		16.9	10.9
Price basket for Internet service (\$ a month)		59.5	16.4
Price of call to United States (\$ for 3 minutes)	5.59	3.78	1.55
Trade			
ICT goods exports (% of total goods exports)	0.7	0.2	13.5
ICT goods imports (% of total goods imports)	2.2	2.7	16.2
ICT service exports (% of total service exports)		2.8	4.6
Applications			_
ICT expenditure (% of GDP)			5.2
E-gov't Web measure index (0–1, 1=highest presence)		0.30	
Secure Internet servers (per million people)	12.3	729.7	26.2

Sierra Leone

Sub-Saharan Africa

Low income

	Country data		Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	5	6	1,296
Urban population (% of total)	36	37	32
GNI per capita, World Bank Atlas method (\$)	140	260	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-5.0	11.2	5.6
Adult literacy rate (% ages 15 and older)		38	64
Gross primary, secondary, and tertiary enrollment (%)	45	74	51
Structure			
Separate telecommunications regulator		Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Р	
Mobile telephone service	С	С	
Internet service	С	Р	
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.3
Mobile and fixed-line subscribers per employee	31		301
Telecommunications investment (% of revenue)			
Performance			
Access			
Telephone lines (per 100 people)	0.4		4.0
Mobile cellular subscriptions (per 100 people)	0.3	13.3	21.5
Internet subscribers (per 100 people)	0.0		0.8
Personal computers (per 100 people)			1.5
Households with a television (%)	4		16
Usage			
International voice traffic (minutes per person per month)			
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.1	0.2	5.2
Quality			
Population covered by mobile cellular network (%)		70	
Fixed broadband subscribers (% of total Internet subscribers			3.4
International Internet bandwidth (bits per second per person	ı) O		26
Affordability			
Price basket for residential fixed line (\$ a month)	3.0		5.7
Price basket for mobile service (\$ a month)		19.4	
Price basket for Internet service (\$ a month)		10.7	
Price of call to United States (\$ for 3 minutes)	2.74		2.00
Trade			4 4
ICT goods exports (% of total goods exports)			1.4
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)		0.2	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.06	
Secure Internet servers (per million people)	0.2	0.7	0.5

Singapore

High income

	Country	Country data		Country data	
	2000	2007	group 2007		
Economic and social context					
Population (millions)	4	5	1,056		
Urban population (% of total)	100	100	78		
GNI per capita, World Bank Atlas method (\$)	22,970	32,340	37,572		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.7	5.8	2.4		
Adult literacy rate (% ages 15 and older)	93	94	99		
Gross primary, secondary, and tertiary enrollment (%)			92		
Structure					
Separate telecommunications regulator	Yes	Yes			
Status of main fixed-line telephone operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)				
International long distance service	С	С			
Mobile telephone service	С	С			
Internet service	С	С			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	3.4	2.9	3.1		
Mobile and fixed-line subscribers per employee	584		747		
Telecommunications investment (% of revenue)	14.9	12.6	14.3		
Performance					
Access					
Telephone lines (per 100 people)	48.3	40.6	50.0		
Mobile cellular subscriptions (per 100 people)	68.2	129.1	100.4		
Internet subscribers (per 100 people)	21.2	42.2	25.8		
Personal computers (per 100 people)	48.2	74.3	67.4		
Households with a television (%)	99	98	98		
Usage					
International voice traffic (minutes per person per month)	53.7	127.6	14.0		
Mobile telephone usage (minutes per user per month)	411	389	353		
Internet users (per 100 people)	32.3	65.7	65.7		
Quality					
Population covered by mobile cellular network (%)	100	100	99		
Fixed broadband subscribers (% of total Internet subscriber	s) 8.1	46.2	82.6		
International Internet bandwidth (bits per second per perso	n) 558	22,783	18,242		
Affordability					
Price basket for residential fixed line (\$ a month)	6.2	7.0	26.1		
Price basket for mobile service (\$ a month)		3.7	13.0		
Price basket for Internet service (\$ a month)		17.7	22.8		
Price of call to United States (\$ for 3 minutes)	0.68	0.69	0.81		
Trade					
ICT goods exports (% of total goods exports)	56.1	45.6	15.2		
ICT goods imports (% of total goods imports)	44.4	38.3	14.6		
ICT service exports (% of total service exports)	2.4	3.1	7.0		
Applications					
ICT expenditure (% of GDP)		6.5	6.7		
E-gov't Web measure index (0-1, 1=highest presence)		0.61	0.60		
	126.9				

Slovak Republic

High income

2000 2007 2007 Economic and social context Population (millions) 5 5 1,056 Urban population (% of total) 56 58 7372 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.8 6.0 2.4 Adult literacy rate (% ages 15 and older) . . 99 Gross primary, secondary, and tertiary enrollment (%) 72 78 92 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Mixed Level of competition (competition, partial comp., monopoly) Internet service C C Internet service C C C E Elecommunications revenue (% of GDP) 3.9 3.4 3.1 Mobile and fixed-line subscribers per employee 191 748 747 Telecommunications investment (% of revenue) 22.6 20.9 14.3 Performance Access - - - Eleptone lines (per 100 people) 13		Country	y data	High- income group
Population (millions) 5 5 1,056 Urban population (% of total) 56 56 78 GNI per capita, World Bank Atlas method (\$) 3,850 11,720 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.8 6.0 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 72 78 92 Structure Structure Mixed Mixed Separate telecommunications regulator Yes Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) Internet service C C C Internet service C C Telecommunications revenue (% of GDP) 3.9 3.4 3.1 Mobile etlephone service 112.4 100.4 Internet subscribers (per 100 people) 31.5 21.3 50.0 Mobile cellular subscriptions (per 100 people) 13.7 51.4 67.4 Households with a television (%) 9		2000	2007	
Urban population (% of total) 56 56 78 GNI per capita, World Bank Atlas method (\$) 3,850 11,720 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.8 6.0 2.4 Adult literacy rate (% ages 15 and older)	Economic and social context			
Urban population (% of total) 56 56 78 GNI per capita, World Bank Atlas method (\$) 3,850 11,720 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.8 6.0 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 72 78 92 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C C C Mobile telephone service C C C C Efficiency and capacity Telecommunications revenue (% of GDP) 3.9 3.4 3.1 Mobile and fixed-line subscribers per employee 191 748 747 Telecommunications investment (% of revenue) 22.6 20.9 14.3 Performance Access 11.12.4 100.4 Internet subscriptions (per 100 people) 1.3. 9.9 </td <td>Population (millions)</td> <td>5</td> <td>5</td> <td>1.056</td>	Population (millions)	5	5	1.056
GNI per capita, World Bank Atlas method (\$) 3,850 11,720 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.8 6.0 2.4 Adult literacy rate (% ages 15 and older) 99 Gross primary, secondary, and tertiary enrollment (%) 72 78 92 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service C C C C Elecommunications revenue (% of GDP) 3.9 3.4 3.1 Mobile and fixed-line subscribers per employee 191 748 747 Telecommunications investment (% of revenue) 22.6 20.9 14.3 Performance Access 112.4 100.4 Internet subscriptions (per 100 people) 3.1 12.4 100.4 Internet subscriptions (per 100 people) 1.3 9.9 25.8 Personal computers	,	56		,
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 3.8 6.0 2.4 Adult literacy rate (% ages 15 and older)		3.850	11.720	37.572
Adult literacy rate (% ages 15 and older) .99 Gross primary, secondary, and tertiary enrollment (%) 72 78 92 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C International long distance service M C C C Internet service C C C C Efficiency and capacity Telecommunications revenue (% of GDP) 3.9 3.4 3.1 Mobile and fixed-line subscribers per employee 191 748 747 Telecommunications investment (% of revenue) 22.6 20.9 14.3 Performance Access T 112.4 100.4 Access on T 113 9.9 25.8 Personal computers (per 100 people) 1.3 51.4 67.7 Moseholds with a television (%) 96 78 98 Usage Internet subscribers (per 100 people) 9.4 55.9 <		3.8		
Gross primary, secondary, and tertiary enrollment (%)727892StructureSeparate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorMixedMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceMCInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)3.93.43.1Mobile and fixed-line subscribers per employee191748747Telecommunications investment (% of revenue)22.620.914.3PerformanceAccessTelecommunications (per 100 people)3.1521.350.0Mobile cellular subscriptions (per 100 people)1.39.925.825.965.7MusedUsageInternet subscriber (per 100 people)1.3.751.467.4Households with a television (%)96789898UsageInternet users (per 100 people)9.455.965.7QualityPopulation covered by mobile cellular network (%)9810099Pixed broadband subscribers (% of total Internet subscribers)0.088.682.6Internet bandwidth (bits per second per person)415,55518,242AffordabilityPrice basket for residential fixed line (\$ a month)1.2.213.0Price basket for Internet service (\$ a month)1.9.822.822.8Internet users (% of total goods exports)				99
Separate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorMixedMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceMCMobile telephone serviceCCCInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)3.93.43.1Mobile and fixed-line subscribers per employee191748747Telecommunications investment (% of revenue)22.620.914.3PerformanceAccessTelephone lines (per 100 people)13.521.350.0Mobile cellular subscriptions (per 100 people)13.751.467.4Households with a television (%)967898UsageUsageNateNate35.9Internet users (per 100 people)9.455.965.7QualityPopulation covered by mobile cellular network (%)9810099Fixed broadband subscribers (% of total Internet subscribers)0.088.682.6International Internet bandwidth (bits per second per person)415,55518,242AffordabilityPrice basket for residential fixed line (\$ a month).112.213.0Price basket for Internet service (\$ a month)12.213.0Price basket for Internet service (\$ a month)12.213.0Price basket for Internet service (\$ a month)12.21		72	78	92
Separate telecommunications regulatorYesYesStatus of main fixed-line telephone operatorMixedMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceMCMobile telephone serviceCCCInternet serviceCCCEfficiency and capacityTelecommunications revenue (% of GDP)3.93.43.1Mobile and fixed-line subscribers per employee191748747Telecommunications investment (% of revenue)22.620.914.3PerformanceAccessTelephone lines (per 100 people)13.521.350.0Mobile cellular subscriptions (per 100 people)13.751.467.4Households with a television (%)967898UsageUsageNateNate35.9Internet users (per 100 people)9.455.965.7QualityPopulation covered by mobile cellular network (%)9810099Fixed broadband subscribers (% of total Internet subscribers)0.088.682.6International Internet bandwidth (bits per second per person)415,55518,242AffordabilityPrice basket for residential fixed line (\$ a month).112.213.0Price basket for Internet service (\$ a month)12.213.0Price basket for Internet service (\$ a month)12.213.0Price basket for Internet service (\$ a month)12.21	Structure			
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International long distance serviceMCMobile telephone serviceCCInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)3.93.4Mobile and fixed-line subscribers per employee191748747Telecommunications investment (% of revenue)22.620.914.3PerformanceAccessTelephone lines (per 100 people)31.521.350.0Mobile cellular subscriptions (per 100 people)1.39.925.8Personal computers (per 100 people)1.3.751.467.4Households with a television (%)967898UsageInternet subscriptions (per 100 people)1.4.34.5.9Internet users (per 100 people)1.3.751.467.4Households with a television (%)967898UsageInternet users (per 100 people)9.455.965.7QualityPopulation covered by mobile cellular network (%)9810099Fixed broadband subscribers (% of total Internet subscribers)0.088.682.6International Internet bandwidth (bits per second per person)415,55518,242AfforabilityPrice basket for residential fixed line (\$ a month).12.213.0Price basket for nobile service (\$ a month)19.822.8Price of call to United States (\$ for 3 minutes)1.131.060.81TradeICT goods imports (% of			iiiiitou	
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International Internet bandwidth (bits per second per person) 41 5,555 18,242 Affordability Price basket for residential fixed line (\$ a month) 9.2 17.3 26.1 Price basket for mobile service (\$ a month) 12.2 13.0 Price basket for Internet service (\$ a month) 19.8 22.8 Price of call to United States (\$ for 3 minutes) 1.13 1.06 0.81 Trade ICT goods exports (% of total goods exports) 3.9 13.2 15.2 ICT goods imports (% of total goods exports) 7.8 10.3 14.6 6.6 7.0 Applications ICT expenditure (% of GDP) 6.0 6.7 6.7 6.9 7.0 0.60 0.47 0.60 0.47				
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Price basket for mobile service (\$ a month) 12.2 13.0 Price basket for Internet service (\$ a month) 19.8 22.8 Price of call to United States (\$ for 3 minutes) 1.13 1.06 0.81 Trade 13.2 15.2 ICT goods exports (% of total goods exports) 3.9 13.2 15.2 ICT goods imports (% of total goods imports) 7.8 10.3 14.6 ICT service exports (% of total service exports) 4.6 6.6 7.0 Applications 6.0 6.7 ICT expenditure (% of GDP) 6.0 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.47 0.60	-	9.2	17.3	26.1
Price basket for Internet service (\$ a month) 19.8 22.8 Price of call to United States (\$ for 3 minutes) 1.13 1.06 0.81 Trade Intrade In			12.2	13.0
Price of call to United States (\$ for 3 minutes) 1.13 1.06 0.81 Trade ICT goods exports (% of total goods exports) 3.9 13.2 15.2 ICT goods imports (% of total goods imports) 7.8 10.3 14.6 ICT service exports (% of total service exports) 4.6 6.6 7.0 Applications ICT expenditure (% of GDP) . 6.0 6.7 E-gov't Web measure index (0-1, 1=highest presence) . 0.47 0.60			19.8	22.8
Trade 3.9 13.2 15.2 ICT goods exports (% of total goods exports) 3.9 13.2 15.2 ICT goods imports (% of total goods imports) 7.8 10.3 14.6 ICT service exports (% of total service exports) 4.6 6.6 7.0 Applications ICT expenditure (% of GDP) 6.0 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.47 0.60		1.13	1.06	0.81
ICT goods exports (% of total goods exports) 3.9 13.2 15.2 ICT goods imports (% of total goods imports) 7.8 10.3 14.6 ICT service exports (% of total service exports) 4.6 6.6 7.0 Applications 6.0 6.7 ICT expenditure (% of GDP) 6.0 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.47 0.60				
ICT goods imports (% of total goods imports) 7.8 10.3 14.6 ICT service exports (% of total service exports) 4.6 6.6 7.0 Applications 6.0 6.7 ICT expenditure (% of GDP) 6.0 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.47 0.60		3.9	13.2	15.2
ICT service exports (% of total service exports) 4.6 6.6 7.0 Applications 6.0 6.7 ICT expenditure (% of GDP) 6.0 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.47 0.60				
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ICT expenditure (% of GDP) 6.0 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.47 0.60				
E-gov't Web measure index (0-1, 1=highest presence) 0.47 0.60			6.0	6.7
Secure Internet servers (per million people) 14.7 57.9 662.6	Secure Internet servers (per million people)	14.7	57.9	662.6

Slovenia

High income

	Country	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	2	2	1,056
Urban population (% of total)	51	49	78
GNI per capita, World Bank Atlas method (\$)	11,090	21,510	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.4	4.3	2.4
Adult literacy rate (% ages 15 and older)		100	99
Gross primary, secondary, and tertiary enrollment (%)	87	94	92
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	С	
Mobile telephone service	Р	С	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	3.2	3.1
Mobile and fixed-line subscribers per employee	541	587	747
Telecommunications investment (% of revenue)	97.6	29.5	14.3
Performance			
Access			
Telephone lines (per 100 people)	39.5	42.5	50.0
Mobile cellular subscriptions (per 100 people)	61.1	95.6	100.4
Internet subscribers (per 100 people)	7.0	20.7	25.8
Personal computers (per 100 people)	27.6	42.5	67.4
Households with a television (%)	92	97	98
Usage			
International voice traffic (minutes per person per month)		7.6	14.0
Mobile telephone usage (minutes per user per month)		134	353
Internet users (per 100 people)	15.1	52.6	65.7
Quality			
Population covered by mobile cellular network (%)	98	100	99
Fixed broadband subscribers (% of total Internet subscribers	s) 2.0	82.6	82.6
International Internet bandwidth (bits per second per persor	ı) 95	6,720	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	10.1	19.5	26.1
Price basket for mobile service (\$ a month)		10.1	13.0
Price basket for Internet service (\$ a month)		18.8	22.8
Price of call to United States (\$ for 3 minutes)	0.81	0.65	0.81
Trade			
ICT goods exports (% of total goods exports)	4.6	3.0	
ICT goods imports (% of total goods imports)	6.9	5.3	14.6
ICT service exports (% of total service exports)	4.2	5.2	7.0
Applications			
ICT expenditure (% of GDP)		4.7	6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.50	
Secure Internet servers (per million people)	51.2	170.1	662.6

Solomon Islands

East Asia & Pacific

Low income

	Country	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	0.42	0.50	1,296
Urban population (% of total)	16	18	32
GNI per capita, World Bank Atlas method (\$)	690	750	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-1.9	4.1	5.6
Adult literacy rate (% ages 15 and older)			64
Gross primary, secondary, and tertiary enrollment (%)	40	48	51
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.0	5.1	3.3
Mobile and fixed-line subscribers per employee	59		301
Telecommunications investment (% of revenue)	167.6		
Performance Access			
Telephone lines (per 100 people)	1.9	1.6	4.0
Mobile cellular subscriptions (per 100 people)	0.3	2.2	
Internet subscribers (per 100 people)	0.3	0.4	
Personal computers (per 100 people)	3.9	4.7	
Households with a television (%)	4	5	16
Usage			
International voice traffic (minutes per person per month)	1.9		
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.5	1.7	5.2
Quality			
Population covered by mobile cellular network (%)	35		54
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	23.7	3.4
International Internet bandwidth (bits per second per persor	ı) 1	17	26
Affordability			
Price basket for residential fixed line (\$ a month)	13.8	12.2	5.7
Price basket for mobile service (\$ a month)		28.0	11.2
Price basket for Internet service (\$ a month)		101.5	29.2
Price of call to United States (\$ for 3 minutes)			2.00
Trade			
ICT goods exports (% of total goods exports)			1.4
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)	3.5	1.8	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0-1, 1=highest presence)		0.14	0.11
Secure Internet servers (per million people)		3.9	0.5

Somalia

Sub-Saharan Africa

Low income

	Countr	Country data		Country data		Country data	
	2000	2007	group 2007				
Economic and social context							
Population (millions)	7	9	1,296				
Urban population (% of total)	33	36	32				
GNI per capita, World Bank Atlas method (\$)			574				
GDP growth, 1995–2000 and 2000–07 (avg. annual %)			5.6				
Adult literacy rate (% ages 15 and older)			64				
Gross primary, secondary, and tertiary enrollment (%)			51				
Structure							
Separate telecommunications regulator		No					
Status of main fixed-line telephone operator	Private	Private					
Level of competition (competition, partial comp., monopoly							
International long distance service	C	С					
Mobile telephone service							
Internet service							
Efficiency and capacity							
Telecommunications revenue (% of GDP)			3.3				
Mobile and fixed-line subscribers per employee			301				
Telecommunications investment (% of revenue)							
Performance			<u> </u>				
Access	0.4	1 1	4.0				
Telephone lines (per 100 people)	0.4	1.1	4.0				
Mobile cellular subscriptions (per 100 people)	1.1	6.9					
Internet subscribers (per 100 people)	0.0	0.1	0.8				
Personal computers (per 100 people)	0.1	0.9					
Households with a television (%) Usage	8	8	16				
International voice traffic (minutes per person per month)							
Mobile telephone usage (minutes per user per month)							
Internet users (per 100 people)	0.2	1.1	5.2				
Quality							
Population covered by mobile cellular network (%)			54				
Fixed broadband subscribers (% of total Internet subscriber	rs) 0.0	0.0	3.4				
International Internet bandwidth (bits per second per perso	n) 0	0	26				
Affordability							
Price basket for residential fixed line (\$ a month)			5.7				
Price basket for mobile service (\$ a month)		5.1	11.2				
Price basket for Internet service (\$ a month)			29.2				
Price of call to United States (\$ for 3 minutes)			2.00				
Trade							
ICT goods exports (% of total goods exports)			1.4				
ICT goods imports (% of total goods imports)			6.7				
ICT service exports (% of total service exports)							
Applications							
ICT expenditure (% of GDP)							
E-gov't Web measure index (0-1, 1=highest presence)		0.00	0.11				
Secure Internet servers (per million people)		0.1	0.5				

South Africa

Sub-Saharan Africa	haran Africa Upper middle incom		income
	Country	eteb v	Upper middle- income
-			group
	2000	2007	2007
Economic and social context			
Population (millions)	44	48	
Urban population (% of total)	57	60	
GNI per capita, World Bank Atlas method (\$)	3,050	5,720	· ·
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.5	4.3	
Adult literacy rate (% ages 15 and older)		88	
Gross primary, secondary, and tertiary enrollment (%)	76	77	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	С	
Mobile telephone service	С	Р	
Internet service		С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.1	7.5	3.3
Mobile and fixed-line subscribers per employee	264	1,145	566
Telecommunications investment (% of revenue)	25.5	9.8	
Performance Access			
Telephone lines (per 100 people)	11.3	9.7	22.6
Mobile cellular subscriptions (per 100 people)	19.0	88.4	
Internet subscribers (per 100 people)	1.6	9.1	
Personal computers (per 100 people)	6.6	8.5	÷
Households with a television (%)	55	59	
Usage		00	02
International voice traffic (minutes per person per month)	2.1		
Mobile telephone usage (minutes per user per month)		106	137
Internet users (per 100 people)	5.5	8.3	26.6
Quality			
Population covered by mobile cellular network (%)	92	100	95
Fixed broadband subscribers (% of total Internet subscribers	s) 0.3	3.9	47.8
International Internet bandwidth (bits per second per person	ı) 8	71	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	13.3	20.8	10.6
Price basket for mobile service (\$ a month)		13.9	10.9
Price basket for Internet service (\$ a month)		28.2	16.4
Price of call to United States (\$ for 3 minutes)	1.98	0.79	1.55
Trade			
ICT goods exports (% of total goods exports)	2.0	1.8	13.5
ICT goods imports (% of total goods imports)	13.6	11.3	
ICT service exports (% of total service exports)	2.9	3.9	4.6
Applications			
ICT expenditure (% of GDP)		9.7	
E-gov't Web measure index (0–1, 1=highest presence)		0.55	
Secure Internet servers (per million people)	11.6	36.8	26.2

Spain

High income

	Country	Country data		Country data		Country data ⁱ	High- income group
	2000	2007	2007				
Economic and social context							
Population (millions)	40	45	1,056				
Urban population (% of total)	76	77	78				
GNI per capita, World Bank Atlas method (\$)	15,420	29,290	37,572				
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.2	3.4	2.4				
Adult literacy rate (% ages 15 and older)		98	99				
Gross primary, secondary, and tertiary enrollment (%)	92	98	92				
Structure							
Separate telecommunications regulator	Yes	Yes					
Status of main fixed-line telephone operator	Private	Private					
Level of competition (competition, partial comp., monopoly)							
International long distance service	С	С					
Mobile telephone service	С	С					
Internet service	С	С					
Efficiency and capacity							
Telecommunications revenue (% of GDP)	3.2	4.2	3.1				
Mobile and fixed-line subscribers per employee	638	809					
Telecommunications investment (% of revenue)	36.7	13.1					
Performance							
Access							
Telephone lines (per 100 people)	42.5	45.3	50.0				
Mobile cellular subscriptions (per 100 people)	60.3	107.9	100.4				
Internet subscribers (per 100 people)	8.0	19.2	25.8				
Personal computers (per 100 people)	17.4	39.3	67.4				
Households with a television (%)	97	96	98				
Usage							
International voice traffic (minutes per person per month)	11.6	9.7	14.0				
Mobile telephone usage (minutes per user per month)	101	152	353				
Internet users (per 100 people)	13.6	51.3	65.7				
Quality	00	00	00				
Population covered by mobile cellular network (%)	99	99					
Fixed broadband subscribers (% of total Internet subscribers		93.8					
International Internet bandwidth (bits per second per person Affordability	n) 297	11,008	18,242				
-	14.7	25.8	26.1				
Price basket for residential fixed line (\$ a month)		23.6					
Price basket for mobile service (\$ a month)		23.0 32.0					
Price basket for Internet service (\$ a month)	1.09						
Price of call to United States (\$ for 3 minutes)	1.08	0.60	0.81				
Trade	5.4	4.0	15.2				
ICT goods exports (% of total goods exports)							
ICT goods imports (% of total goods imports)	9.3	7.9					
ICT service exports (% of total service exports)	5.2	5.4	7.0				
Applications			0 7				
ICT expenditure (% of GDP)		5.5					
E-gov't Web measure index (0–1, 1=highest presence)		0.70					
Secure Internet servers (per million people)	23.0	170.1	662.6				

Sri Lanka

South Asia

Lower middle income

South Asia	Lower	miaaie	income		
	Country data in		Country data		Lower middle- income group
-	2000	2007	2007		
Economic and social context					
Population (millions)	19	20	3,435		
Urban population (% of total)	16	15	42		
GNI per capita, World Bank Atlas method (\$)	880	1,540	1,905		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.1	5.3	8.0		
Adult literacy rate (% ages 15 and older)	91	91	83		
Gross primary, secondary, and tertiary enrollment (%)	64	63	68		
Structure					
Separate telecommunications regulator	Yes	Yes			
Status of main fixed-line telephone operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International long distance service	М	Μ			
Mobile telephone service	Р	P			
Internet service	С	P			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	1.9	2.5	3.1		
Mobile and fixed-line subscribers per employee	101	755	624		
Telecommunications investment (% of revenue)	35.8	12.2	25.3		
Performance					
Access					
Telephone lines (per 100 people)	4.1	13.7	15.3		
Mobile cellular subscriptions (per 100 people)	2.3	39.9	38.9		
Internet subscribers (per 100 people)	0.2	1.0	6.0		
Personal computers (per 100 people)	0.7	3.7	4.6		
Households with a television (%) Usage	22	32	79		
International voice traffic (minutes per person per month)	0.8	2.9			
Mobile telephone usage (minutes per user per month)		86	322		
Internet users (per 100 people)	0.6	3.9	12.4		
Quality					
Population covered by mobile cellular network (%)	58	90	80		
Fixed broadband subscribers (% of total Internet subscribers	s) 0.5	31.3	40.4		
International Internet bandwidth (bits per second per person) 1	118	199		
Affordability					
Price basket for residential fixed line (\$ a month)	6.9	8.2	7.2		
Price basket for mobile service (\$ a month)		1.2	9.8		
Price basket for Internet service (\$ a month)		4.4	16.7		
Price of call to United States (\$ for 3 minutes)	3.29	2.11	2.08		
Trade					
ICT goods exports (% of total goods exports)	2.7	1.7			
ICT goods imports (% of total goods imports)	4.2	4.9			
ICT service exports (% of total service exports)	7.8	10.6	15.6		
Applications					
ICT expenditure (% of GDP)		6.0			
E-gov't Web measure index (0–1, 1=highest presence)		0.39			
Secure Internet servers (per million people)	0.3	3.2	1.8		

St. Kitts and Nevis

Latin America & Caribbean

Upper middle income

	opper	iniuuio	moonic
	Country data		Upper middle- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	0.04	0.05	824
Urban population (% of total)	33	32	75
GNI per capita, World Bank Atlas method (\$)	6,490	9,990	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.3	3.9	4.3
Adult literacy rate (% ages 15 and older)			94
Gross primary, secondary, and tertiary enrollment (%)	84	73	82
Structure			
Separate telecommunications regulator		No	1
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International long distance service			
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	9.1		3.3
Mobile and fixed-line subscribers per employee	167		566
Telecommunications investment (% of revenue)			
Performance			
Access			
Telephone lines (per 100 people)	49.5	53.2	22.6
Mobile cellular subscriptions (per 100 people)	2.7	21.3	84.1
Internet subscribers (per 100 people)	9.8		9.4
Personal computers (per 100 people)	15.8	23.4	
Households with a television (%)	71		92
Usage			
International voice traffic (minutes per person per month)	59.2	47.6	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	6.1	30.7	26.6
Quality			
Population covered by mobile cellular network (%)			
Fixed broadband subscribers (% of total Internet subscribers			
International Internet bandwidth (bits per second per person) 42		1,185
Affordability			10.0
Price basket for residential fixed line (\$ a month)			10.6
Price basket for mobile service (\$ a month)		12.0	
Price basket for Internet service (\$ a month)		22.0	4 55
Price of call to United States (\$ for 3 minutes)			1.55
Trade	1 1	38.6	13.5
ICT goods exports (% of total goods exports)	1.1 9.8	38.0	
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)	5.4	2.9	4.6
Applications			5.2
ICT expenditure (% of GDP)		0.28	
E-gov't Web measure index (0–1, 1=highest presence)	 347.0	1,199.4	
Secure Internet servers (per million people)	341.0	1,199.4	20.2

St. Lucia

Latin America & Caribbean	Upper	middle	income
			Upper middle- income
	Countr	y data	group
	2000	2007	2007
Economic and social context			
Population (millions)	0.16	0.17	824
Urban population (% of total)	28	28	75
GNI per capita, World Bank Atlas method (\$)	3,910	5,520	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.0	3.7	4.3
Adult literacy rate (% ages 15 and older)			94
Gross primary, secondary, and tertiary enrollment (%)	72	75	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)		
International long distance service	М		
Mobile telephone service	М	С	
Internet service	М		
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.3
Mobile and fixed-line subscribers per employee			566
Telecommunications investment (% of revenue)			
Performance			
Access			
Telephone lines (per 100 people)	31.3		22.6
Mobile cellular subscriptions (per 100 people)	1.6	64.1	84.1
Internet subscribers (per 100 people)			9.4
Personal computers (per 100 people)	14.1	16.0	12.4
Households with a television (%)	77		92
Usage			
International voice traffic (minutes per person per month)	29.6	18.2	
Mobile telephone usage (minutes per user per month)			137
Internet users (per 100 people)	5.1	65.5	26.6
Quality			
Population covered by mobile cellular network (%)		80	95
Fixed broadband subscribers (% of total Internet subscriber	rs)		47.8
International Internet bandwidth (bits per second per perso	n) 95		1,185
Affordability			
Price basket for residential fixed line (\$ a month)	13.9	12.6	10.6
Price basket for mobile service (\$ a month)		11.8	10.9
Price basket for Internet service (\$ a month)		22.0	16.4
Price of call to United States (\$ for 3 minutes)			1.55
Trade			
ICT goods exports (% of total goods exports)	9.7	8.9	
ICT goods imports (% of total goods imports)	7.1	4.7	16.2
ICT service exports (% of total service exports)	4.2	4.1	4.6
Applications			
ICT expenditure (% of GDP)			5.2
E-gov't Web measure index (0-1, 1=highest presence)		0.28	
Secure Internet servers (per million people)	12.7	94.1	26.2

St. Vincent & Grenadines

Latin America & Caribbean	Upper	income	
	Countr		Upper middle- income group
	2000	2007	2007
Economic and social context			
Population (millions)	0.12	0.12	824
Urban population (% of total)	44	47	75
GNI per capita, World Bank Atlas method (\$)	2,740	4,210	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.7	4.4	4.3
Adult literacy rate (% ages 15 and older)			94
Gross primary, secondary, and tertiary enrollment (%)	65	69	82
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	С	
Mobile telephone service	М	С	
Internet service	М	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	8.6	11.2	3.3
Mobile and fixed-line subscribers per employee	165	695	566
Telecommunications investment (% of revenue)	15.2		
Performance			
Access			
Telephone lines (per 100 people)	21.5	19.1	22.6
Mobile cellular subscriptions (per 100 people)	2.0	91.8	84.1
Internet subscribers (per 100 people)	2.3	7.0	
Personal computers (per 100 people)	10.3	13.8	
Households with a television (%) Usage	79	79	92
International voice traffic (minutes per person per month)	35.4	24.0	
Mobile telephone usage (minutes per user per month)		2.00	137
Internet users (per 100 people)	3.0	47.4	
Quality			
Population covered by mobile cellular network (%)	55	100	95
Fixed broadband subscribers (% of total Internet subscribers	6) 0.0	94.8	47.8
International Internet bandwidth (bits per second per person) 34	249,324	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	11.6	13.2	10.6
Price basket for mobile service (\$ a month)		12.9	10.9
Price basket for Internet service (\$ a month)		22.0	
Price of call to United States (\$ for 3 minutes)	3.97		1.55
Trade			
ICT goods exports (% of total goods exports)	0.6	1.3	
ICT goods imports (% of total goods imports)	5.7	4.6	
ICT service exports (% of total service exports)	9.2	6.4	4.6
Applications			
ICT expenditure (% of GDP)			5.2
E-gov't Web measure index (0–1, 1=highest presence)		0.26	
Secure Internet servers (per million people)	25.7	115.8	26.2

Lower middle income Sub-Saharan Africa Lower middleincome **Country data** group 2000 2007 2007 Economic and social context Population (millions) 33 39 3 4 3 5 Urban population (% of total) 36 43 42 GNI per capita, World Bank Atlas method (\$) 330 950 1,905 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 6.2 7.1 8.0 Adult literacy rate (% ages 15 and older) 61 83 Gross primary, secondary, and tertiary enrollment (%) 31 37 68 Structure Separate telecommunications regulator Yes Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) P International long distance service М Mobile telephone service М Ρ С Internet service С Efficiency and capacity Telecommunications revenue (% of GDP) 3.7 31 11 Mobile and fixed-line subscribers per employee 146 1.557 624 Telecommunications investment (% of revenue) 71.2 33.4 25.3 Performance Access Telephone lines (per 100 people) 1.2 0.9 15.3 Mobile cellular subscriptions (per 100 people) 0.1 21.3 38.9 Internet subscribers (per 100 people) 0.1 6.0 Personal computers (per 100 people) 0.3 112 46 Households with a television (%) 17 16 79 Usage International voice traffic (minutes per person per month) 0.5 0.6 Mobile telephone usage (minutes per user per month) 322 Internet users (per 100 people) 0.0 9.1 12.4 **Ouality** Population covered by mobile cellular network (%) 20 60 80 Fixed broadband subscribers (% of total Internet subscribers) 4.7 40.4 International Internet bandwidth (bits per second per person) 0 345 199 Affordability 72 Price basket for residential fixed line (\$ a month) 38 6.3 Price basket for mobile service (\$ a month) 3.8 9.8 16.7 Price basket for Internet service (\$ a month) 28.9 42.02 Price of call to United States (\$ for 3 minutes) 2.08 ... Trade ICT goods exports (% of total goods exports) 00 20.6 0.0 ICT goods imports (% of total goods imports) 6.5 7.5 20.2 ICT service exports (% of total service exports) 3.4 5.4 15.6 Applications ICT expenditure (% of GDP) 6 5 E-gov't Web measure index (0-1, 1=highest presence) 0.06 0.33

196

Secure Internet servers (per million people)

...

0.0

1.8

Suriname

Latin America & Caribbean

Upper middle income

	Country data		Upper middle- income
-	2000	2007	group 2007
Economic and social context			
Population (millions)	0.44	0.46	824
Urban population (% of total)	0.44	75	
GNI per capita, World Bank Atlas method (\$)	2,060	4,730	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2,000	4,730 5.9	
Adult literacy rate (% ages 15 and older)		90	
Gross primary, secondary, and tertiary enrollment (%)	 73	90 77	
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	Р	М	
Mobile telephone service	Р	Р	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	5.5	5.2	3.3
Mobile and fixed-line subscribers per employee	111	318	566
Telecommunications investment (% of revenue)	38.8	32.4	
Performance			
Access			
Telephone lines (per 100 people)	17.3	17.9	
Mobile cellular subscriptions (per 100 people)	9.4	70.3	
Internet subscribers (per 100 people)	0.9	1.8	
Personal computers (per 100 people)	4.5	4.4	
Households with a television (%) Usage	65	66	92
International voice traffic (minutes per person per month)	8.8	23.1	
Mobile telephone usage (minutes per user per month)			137
Internet users (per 100 people)	2.7	9.6	
Quality			
Population covered by mobile cellular network (%)			95
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	32.2	47.8
International Internet bandwidth (bits per second per persor	ı) 7	439	1,185
Affordability			
Price basket for residential fixed line (\$ a month)	5.5	6.5	10.6
Price basket for mobile service (\$ a month)		9.6	10.9
Price basket for Internet service (\$ a month)		30.2	16.4
Price of call to United States (\$ for 3 minutes)	2.29	1.33	1.55
Trade			
ICT goods exports (% of total goods exports)			13.5
ICT goods imports (% of total goods imports)	7.0	4.9	16.2
ICT service exports (% of total service exports)	0.0	0.0	4.6
Applications			
ICT expenditure (% of GDP)			5.2
E-gov't Web measure index (0–1, 1=highest presence)		0.04	
Secure Internet servers (per million people)		8.7	26.2

Swaziland

Sub-Saharan Africa	Lower	middle	income
	_		
-	Countr	y data	income group
	2000	2007	2007
Economic and social context			
Population (millions)	1	1	3,435
Urban population (% of total)	23	25	42
GNI per capita, World Bank Atlas method (\$)	1,600	2,560	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.3	2.6	8.0
Adult literacy rate (% ages 15 and older)	80		83
Gross primary, secondary, and tertiary enrollment (%)	61	60	68
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	М	М	
Internet service	С		
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	12.7	3.1
Mobile and fixed-line subscribers per employee	137	279	624
Telecommunications investment (% of revenue)	9.9	13.2	25.3
Performance			
Access			
Telephone lines (per 100 people)	3.0	3.9	15.3
Mobile cellular subscriptions (per 100 people)	3.2	33.1	38.9
Internet subscribers (per 100 people)	0.5	1.8	
Personal computers (per 100 people)	1.1	3.7	4.6
Households with a television (%) Usage	18	18	79
0	3.9	4.0	
International voice traffic (minutes per person per month)	3.9	4.0	 322
Mobile telephone usage (minutes per user per month) Internet users (per 100 people)	 1.0	 3.7	
Quality	1.0	5.7	12.4
Population covered by mobile cellular network (%)	70	90	80
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	0.0	40.4
International Internet bandwidth (bits per second per person	ı) 1	1	199
Affordability	4.1	5.7	7.2
Price basket for residential fixed line (\$ a month)		13.0	
Price basket for mobile service (\$ a month)		39.1	
Price basket for Internet service (\$ a month)			
Price of call to United States (\$ for 3 minutes)	3.68	2.97	2.08
Trade	0.4	0.0	20.6
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)	2.8	3.8	
ICT service exports (% of total service exports)	1.3	1.4	15.6
Applications			0.5
ICT expenditure (% of GDP)		 0.25	6.5 0.33
E-gov't Web measure index (0–1, 1=highest presence)			
Secure Internet servers (per million people)	0.9	5.2	1.8

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Sweden

High income

	Countr	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	9	9	1,056
Urban population (% of total)	84	84	78
GNI per capita, World Bank Atlas method (\$)	29,280	47,870	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.4	3.0	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	113	95	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	С	
Mobile telephone service	Р	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2	2.7	3.1
Mobile and fixed-line subscribers per employee	422	905	
Telecommunications investment (% of revenue)	31.9	12.7	
Performance			
Access			
Telephone lines (per 100 people)	64.8	60.2	
Mobile cellular subscriptions (per 100 people)	71.8	113.4	
Internet subscribers (per 100 people)	25.3	44.3	
Personal computers (per 100 people)	50.7	88.1	
Households with a television (%)	99	94	98
Usage			
International voice traffic (minutes per person per month)			
Mobile telephone usage (minutes per user per month)	112	191	
Internet users (per 100 people)	45.6	79.7	65.7
Quality			
Population covered by mobile cellular network (%)	99	98	
Fixed broadband subscribers (% of total Internet subscribers	·	80.9	
International Internet bandwidth (bits per second per person	1) 2,098	49,828	18,242
Affordability			
Price basket for residential fixed line (\$ a month)		26.7	
Price basket for mobile service (\$ a month)		9.6	
Price basket for Internet service (\$ a month)		22.8	
Price of call to United States (\$ for 3 minutes)	0.36	0.41	0.81
Trade			
ICT goods exports (% of total goods exports)	19.1	11.2	
ICT goods imports (% of total goods imports)	16.3	12.2	
ICT service exports (% of total service exports)	9.1	13.1	7.0
Applications			o -
ICT expenditure (% of GDP)		6.4	
E-gov't Web measure index (0–1, 1=highest presence)		0.98	
Secure Internet servers (per million people)	116.1	772.0	662.6

Switzerland

High income

	Country	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	7	8	1,056
Urban population (% of total)	73	73	78
GNI per capita, World Bank Atlas method (\$)	40,280	60,820	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.0	1.8	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	84	86	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)		WINCU	
International long distance service	С	С	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity	3.3	2.2	3.1
Telecommunications revenue (% of GDP)	3.3 409	3.2 549	5.1 747
Mobile and fixed-line subscribers per employee			
Telecommunications investment (% of revenue)	27.2	14.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	72.9	65.3	50.0
Mobile cellular subscriptions (per 100 people)	64.6	108.7	100.4
Internet subscribers (per 100 people)	23.2	37.3	25.8
Personal computers (per 100 people)	65.4	91.8	67.4
Households with a television (%)	93	86	98
Usage			
International voice traffic (minutes per person per month)	55.4		14.0
Mobile telephone usage (minutes per user per month)		126	353
Internet users (per 100 people)	47.9	76.3	65.7
Quality Population covered by mobile cellular network (%)	98	100	99
Fixed broadband subscribers (% of total Internet subscribers		84.6	82.6
International Internet bandwidth (bits per second per person		29,417	18,242
Affordability	1) 2,941	29,417	10,242
Price basket for residential fixed line (\$ a month)	22.0	29.5	26.1
Price basket for mobile service (\$ a month)		31.3	13.0
Price basket for Internet service (\$ a month)		40.8	22.8
	0.21	0.32	0.81
Price of call to United States (\$ for 3 minutes) Trade	0.21	0.32	0.01
ICT goods exports (% of total goods exports)	5.8	3.7	15.2
ICT goods imports (% of total goods imports)	11.0	7.4	13.2
			7.0
ICT service exports (% of total service exports)			1.0
Applications		8.0	6.7
ICT expenditure (% of GDP)		8.0 0.56	0.60
E-gov't Web measure index (0–1, 1=highest presence)	 149.2	977.1	662.6
Secure Internet servers (per million people)	149.2	911.1	002.0

Syrian Arab Republic

Middle East & North Africa

Lower middle income

Miluule East & North Africa	Lower midule				income
	Country data		Lower middle- income		
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	17	20	3,435		
Urban population (% of total)	52	54	- /		
GNI per capita, World Bank Atlas method (\$)	960	1,780			
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.2	4.5			
Adult literacy rate (% ages 15 and older)	83	83			
Gross primary, secondary, and tertiary enrollment (%)	57	65			
Structure					
Separate telecommunications regulator		No)		
Status of main fixed-line telephone operator	Public	Public	;		
Level of competition (competition, partial comp., monopoly)					
International long distance service	М	M	1		
Mobile telephone service	Р	F)		
Internet service		F)		
Efficiency and capacity					
Telecommunications revenue (% of GDP)	1.9	3.0	3.1		
Mobile and fixed-line subscribers per employee	80	409	624		
Telecommunications investment (% of revenue)	58.2	9.1	25.3		
Performance					
Access					
Telephone lines (per 100 people)	10.1	17.4	15.3		
Mobile cellular subscriptions (per 100 people)	0.2	31.3	38.9		
Internet subscribers (per 100 people)	0.1	3.5	6.0		
Personal computers (per 100 people)	1.5	9.0	4.6		
Households with a television (%)	72	105	5 79		
Usage					
International voice traffic (minutes per person per month)	2.0	6.6			
Mobile telephone usage (minutes per user per month)			. 322		
Internet users (per 100 people)	0.2	17.4	12.4		
Quality					
Population covered by mobile cellular network (%)	50	96			
Fixed broadband subscribers (% of total Internet subscribers		1.0			
International Internet bandwidth (bits per second per person	i) 1	53	199		
Affordability					
Price basket for residential fixed line (\$ a month)	3.3	2.4			
Price basket for mobile service (\$ a month)		10.0			
Price basket for Internet service (\$ a month)		13.7			
Price of call to United States (\$ for 3 minutes)	4.81		. 2.08		
Trade	0.0		00.0		
ICT goods exports (% of total goods exports)	0.0	0.1			
ICT goods imports (% of total goods imports)	1.3	2.5			
ICT service exports (% of total service exports)		5.8	15.6		
Applications			o -		
ICT expenditure (% of GDP)			. 6.5		
E-gov't Web measure index (0–1, 1=highest presence)		0.24			
Secure Internet servers (per million people)	0.1	0.1	1.8		

<u>Tajikistan</u>

Europe & Central Asia

Low income

	Country data		Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	6	7	1,296
Urban population (% of total)	27	26	32
GNI per capita, World Bank Atlas method (\$)	160	460	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.1	8.8	5.6
Adult literacy rate (% ages 15 and older)	99	100	64
Gross primary, secondary, and tertiary enrollment (%)	67	71	51
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.7	2.9	3.3
Mobile and fixed-line subscribers per employee	45	114	301
Telecommunications investment (% of revenue)	1.0	71.4	
Performance			
Access			
Telephone lines (per 100 people)	3.5	5.0	
Mobile cellular subscriptions (per 100 people)	0.0	34.9	
Internet subscribers (per 100 people)	0.0	0.0	
Personal computers (per 100 people)		1.3	
Households with a television (%)	80	79	16
Usage	0.3	0.0	
International voice traffic (minutes per person per month)		0.9	
Mobile telephone usage (minutes per user per month)		216 7.2	
Internet users (per 100 people) Quality	0.0	1.2	5.2
Population covered by mobile cellular network (%)	0		54
Fixed broadband subscribers (% of total Internet subscribers		 2.2	
International Internet bandwidth (bits per second per persor		2.2	
Affordability	i) U	0	20
Price basket for residential fixed line (\$ a month)	1.3	0.6	5.7
Price basket for mobile service (\$ a month)		23.3	
Price basket for Internet service (\$ a month)		14.0	
Price of call to United States (\$ for 3 minutes)	8.10	7.84	
Trade	0.10		2.00
ICT goods exports (% of total goods exports)			1.4
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)	9.5	12.6	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0-1, 1=highest presence)		0.04	0.11
Secure Internet servers (per million people)			0.5

Tanzania

Sub-Saharan Africa

Low income

	Country	Country data		Country data		Country data		Country data	
	2000	2007	group 2007						
Economic and social context									
Population (millions)	34	40	1,296						
Urban population (% of total)	22	25	32						
GNI per capita, World Bank Atlas method (\$)	260	410	574						
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	3.9	6.7	5.6						
Adult literacy rate (% ages 15 and older)	69	72	64						
Gross primary, secondary, and tertiary enrollment (%)	32	50	51						
Structure									
Separate telecommunications regulator	Yes	Yes							
Status of main fixed-line telephone operator	Mixed	Mixed							
Level of competition (competition, partial comp., monopoly)		mixed							
International long distance service	P	М							
Mobile telephone service	C	C							
Internet service	C	C							
Efficiency and capacity	1.9		3.3						
Telecommunications revenue (% of GDP)	1.9								
Mobile and fixed-line subscribers per employee			301						
Telecommunications investment (% of revenue)	12.6								
Performance									
Access									
Telephone lines (per 100 people)	0.5	0.4	4.0						
Mobile cellular subscriptions (per 100 people)	0.3	20.6	21.5						
Internet subscribers (per 100 people)	0.0	0.1	0.8						
Personal computers (per 100 people)	0.3	0.9	1.5						
Households with a television (%)	3	7	16						
Usage									
International voice traffic (minutes per person per month)	0.1	0.0							
Mobile telephone usage (minutes per user per month)									
Internet users (per 100 people)	0.1	1.0	5.2						
Quality									
Population covered by mobile cellular network (%)	25	65	54						
Fixed broadband subscribers (% of total Internet subscriber	s) 0.0	0.0	3.4						
International Internet bandwidth (bits per second per person	n) 0	3	26						
Affordability									
Price basket for residential fixed line (\$ a month)	9.3	11.3	5.7						
Price basket for mobile service (\$ a month)		9.5	11.2						
Price basket for Internet service (\$ a month)		19.7	29.2						
Price of call to United States (\$ for 3 minutes)	10.70	3.17	2.00						
Trade									
ICT goods exports (% of total goods exports)	0.4	0.4	1.4						
ICT goods imports (% of total goods imports)	6.0	6.2	6.7						
ICT service exports (% of total service exports)	4.3	2.5							
Applications									
ICT expenditure (% of GDP)									
E-gov't Web measure index (0–1, 1=highest presence)		0.23	0.11						
Secure Internet servers (per million people)		0.2	0.5						

Thailand

East Asia & Pacific

Lower middle income

East Asia & Pacific	Lower middle		income		
	Country data		Country data		Lower middle- income
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	61	64	3,435		
Urban population (% of total)	31	33	42		
GNI per capita, World Bank Atlas method (\$)	2,010	3,400	1,905		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	-0.7	5.3			
Adult literacy rate (% ages 15 and older)	93	94	83		
Gross primary, secondary, and tertiary enrollment (%)	66	71	68		
Structure					
Separate telecommunications regulator	No	Yes	;		
Status of main fixed-line telephone operator	Public	Public	:		
Level of competition (competition, partial comp., monopoly)					
International long distance service	М	C			
Mobile telephone service	С	C			
Internet service	С	C	;		
Efficiency and capacity					
Telecommunications revenue (% of GDP)	2.6	4.0	3.1		
Mobile and fixed-line subscribers per employee	353	2,808	624		
Telecommunications investment (% of revenue)	27.0	9.8	25.3		
Performance					
Access					
Telephone lines (per 100 people)	9.2	11.0	15.3		
Mobile cellular subscriptions (per 100 people)	5.0	123.9	38.9		
Internet subscribers (per 100 people)	1.0		6.0		
Personal computers (per 100 people)	2.8	7.0	4.6		
Households with a television (%) Usage	91	92	79		
International voice traffic (minutes per person per month)	0.8	1.2			
Mobile telephone usage (minutes per person per month)		313			
Internet users (per 100 people)	 3.8	21.0			
Quality	5.0	21.0	12.4		
Population covered by mobile cellular network (%)		38	80		
Fixed broadband subscribers (% of total Internet subscribers	6) 0.0		40.4		
International Internet bandwidth (bits per second per person) 4	346	199		
Affordability					
Price basket for residential fixed line (\$ a month)	8.4	8.3	7.2		
Price basket for mobile service (\$ a month)		4.3	9.8		
Price basket for Internet service (\$ a month)		7.4	16.7		
Price of call to United States (\$ for 3 minutes)	2.19	0.67	2.08		
Trade					
ICT goods exports (% of total goods exports)	29.5	24.2	20.6		
ICT goods imports (% of total goods imports)	25.3	20.0	20.2		
ICT service exports (% of total service exports)			15.6		
Applications					
ICT expenditure (% of GDP)		6.1	6.5		
E-gov't Web measure index (0–1, 1=highest presence)		0.51	0.33		
Secure Internet servers (per million people)	1.9	9.6	1.8		

Timor-Leste

East Asia & Pacific

Lower middle income

	Countr	Country data		r Country data	
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	0.78	1	3,435		
Urban population (% of total)	24	27	- ,		
GNI per capita, World Bank Atlas method (\$)	350	1,510			
GDP growth, 1995-2000 and 2000-07 (avg. annual %)		0.9	8.0		
Adult literacy rate (% ages 15 and older)			83		
Gross primary, secondary, and tertiary enrollment (%)	73	72	68		
Structure					
Separate telecommunications regulator		No			
Status of main fixed-line telephone operator					
Level of competition (competition, partial comp., monopoly)					
International long distance service					
Mobile telephone service					
Internet service					
Efficiency and capacity					
Telecommunications revenue (% of GDP)		8.0	3.1		
Mobile and fixed-line subscribers per employee		645	624		
Telecommunications investment (% of revenue)		6.2	25.3		
Performance					
Access					
Telephone lines (per 100 people)		0.2	15.3		
Mobile cellular subscriptions (per 100 people)		7.4	38.9		
Internet subscribers (per 100 people)		0.1	6.0		
Personal computers (per 100 people)			4.6		
Households with a television (%)			79		
Usage					
International voice traffic (minutes per person per month)		1.5			
Mobile telephone usage (minutes per user per month)		101	322		
Internet users (per 100 people)		0.1	12.4		
Quality Population covered by mobile cellular network (%)		69	80		
Fixed broadband subscribers (% of total Internet subscribers		7.2			
International Internet bandwidth (bits per second per persor	·	9			
Affordability	·)	0	155		
Price basket for residential fixed line (\$ a month)			7.2		
Price basket for mobile service (\$ a month)			9.8		
Price basket for Internet service (\$ a month)		93.8			
Price of call to United States (\$ for 3 minutes)			0.00		
Trade			2.00		
ICT goods exports (% of total goods exports)			20.6		
ICT goods imports (% of total goods imports)			00.0		
ICT service exports (% of total service exports)			15.0		
			10.0		
Applications			65		
		 0.16			

Togo Sub-Saharan Africa

Low income

	Country	Country data		Country data	
	2000	2007	group 2007		
Economic and social context					
Population (millions)	5	7	1,296		
Urban population (% of total)	37	41	32		
GNI per capita, World Bank Atlas method (\$)	270	360	574		
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.2	2.6	5.6		
Adult literacy rate (% ages 15 and older)	53		64		
Gross primary, secondary, and tertiary enrollment (%)	53	55	51		
Structure					
Separate telecommunications regulator	Yes	Yes			
Status of main fixed-line telephone operator	Public	Public			
Level of competition (competition, partial comp., monopoly)					
International long distance service	Р	Р			
Mobile telephone service	Р	Р			
Internet service	С	С			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	2.9	7.4	3.3		
Mobile and fixed-line subscribers per employee	86	1,059	301		
Telecommunications investment (% of revenue)	45.3	41.1			
Performance					
Access	0.0	4.5	4.0		
Telephone lines (per 100 people)	0.8	1.5	4.0		
Mobile cellular subscriptions (per 100 people)	0.9	18.1	21.5		
Internet subscribers (per 100 people)	0.1	0.2	0.8		
Personal computers (per 100 people)	1.9	3.0			
Households with a television (%) Usage	11	14	16		
International voice traffic (minutes per person per month)	0.7	0.4			
Mobile telephone usage (minutes per user per month)					
Internet users (per 100 people)	1.9	5.0	5.2		
Quality					
Population covered by mobile cellular network (%)	80	85	54		
Fixed broadband subscribers (% of total Internet subscribers		0.0	3.4		
International Internet bandwidth (bits per second per person	ı) O	4	26		
Affordability					
Price basket for residential fixed line (\$ a month)	10.2	13.9	5.7		
Price basket for mobile service (\$ a month)		16.0			
Price basket for Internet service (\$ a month)		20.3	29.2		
Price of call to United States (\$ for 3 minutes)	7.90	3.98	2.00		
Trade	0.0	0.1	1.4		
ICT goods exports (% of total goods exports)					
ICT goods imports (% of total goods imports)	3.3	4.2	6.7		
ICT service exports (% of total service exports)	12.5	6.9			
Applications ICT expenditure (% of GDP)					
E-gov't Web measure index (0–1, 1=highest presence)		 0.09	 0.11		
Secure Internet servers (per million people)		1.2	0.11		
Secure internet servers (per fillilloff people)		1.2	0.5		

Tonga

East Asia & Pacific

Lower middle income

	LOWCI	innuure	meonic		
	Country data		Country data		Lower middle- income
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	0.10	0.10	3,435		
Urban population (% of total)	23	25	42		
GNI per capita, World Bank Atlas method (\$)	1,640	2,480	1,905		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	1.7	1.2	8.0		
Adult literacy rate (% ages 15 and older)		99	83		
Gross primary, secondary, and tertiary enrollment (%)	78	80	68		
Structure					
Separate telecommunications regulator		No)		
Status of main fixed-line telephone operator	Public	Public	;		
Level of competition (competition, partial comp., monopoly)					
International long distance service	Р	F)		
Mobile telephone service					
Internet service	Р	F)		
Efficiency and capacity					
Telecommunications revenue (% of GDP)	2.7		. 3.1		
Mobile and fixed-line subscribers per employee	35		. 624		
Telecommunications investment (% of revenue)			. 25.3		
Performance					
Access					
Telephone lines (per 100 people)	9.8	20.6	5 15.3		
Mobile cellular subscriptions (per 100 people)	0.2	45.5	38.9		
Internet subscribers (per 100 people)	1.2	3.6	6.0		
Personal computers (per 100 people)	1.3	5.9	4.6		
Households with a television (%)	23	26	5 79		
Usage					
International voice traffic (minutes per person per month)					
Mobile telephone usage (minutes per user per month)			. 322		
Internet users (per 100 people)	2.4	8.2	12.4		
Quality					
Population covered by mobile cellular network (%)	70	90			
Fixed broadband subscribers (% of total Internet subscribers		21.1			
International Internet bandwidth (bits per second per person	i) 5	117	199		
Affordability					
Price basket for residential fixed line (\$ a month)	6.0	9.8			
Price basket for mobile service (\$ a month)		3.7			
Price basket for Internet service (\$ a month)		168.7			
Price of call to United States (\$ for 3 minutes)	4.09		. 2.08		
Trade			20.0		
ICT goods exports (% of total goods exports)			00.0		
ICT goods imports (% of total goods imports)					
ICT service exports (% of total service exports)		5.5	15.6		
Applications			0.5		
ICT expenditure (% of GDP)		0.17			
E-gov't Web measure index (0–1, 1=highest presence)		0.17			
Secure Internet servers (per million people)	30.0	19.5	5 1.8		

Trinidad and Tobago

High income

Image: constraint of the second sec		Country	Country data		Country data	
Population (millions) 1 1 1,056 Urban population (% of total) 11 13 78 GNI per capita, World Bank Atlas method (\$) 5,170 14,480 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 5.0 8.8 2.4 Aduit literacy rate (% ages 15 and older) 99 99 Gross primary, secondary, and tertiary enrollment (%) 68 65 92 Structure Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service C P M C Mobile telephone service C C P Internet service C C C Telecommunications revenue (% of GDP) 3.0 2.6 3.1 Mobile cellular subscriptions (per 100 people) 2.4 23.1 50.0 Mobile cellular subscriptions (per 100 people) 2.4 13.3 14.0 Mobile c		2000	2007			
Urban population (% of total) 11 13 78 GNI per capita, World Bank Atlas method (\$) 5,170 14,480 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 5.0 8.8 2.4 Adult literacy rate (% ages 15 and older) .99 99 Gross primary, secondary, and tertiary enrollment (%) 68 65 92 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C C P Internet service C C C E Elecommunications revenue (% of GDP) 3.0 2.6 3.1 Mobile and fixed-line subscribers per employee 157 .747 Telecommunications investment (% of revenue) 39.2 14.3 Performance Access C 13.2 67.4 Internet subscriptions (per 100 people) 2.2 13.2 67.4 Households with a tele	Economic and social context					
GNI per capita, World Bank Atlas method (\$) 5,170 14,480 37,572 GDP growth, 1995-2000 and 2000-07 (avg. annual %) 5.0 8.8 2.4 Adult literacy rate (% ages 15 and older) 99 99 Gross primary, secondary, and tertiary enrollment (%) 68 65 92 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service C C P Internet service C C Elecommunications revenue (% of GDP) 3.0 2.6 3.1 Mobile and fixed-line subscribers per employee 157 747 Telecommunications investment (% of revenue) 39.2 14.3 100.4 Internet subscriptions (per 100 people) 24.4 23.1 50.0 Mobile cellular subscriptions (per 100 people) 2.4 13.3 100.4 Internet subscripters (per 100 people) 2.4 13.3	Population (millions)	1	1	1,056		
GDP growth, 1995-2000 and 2000-07 (avg. annual %) 5.0 8.8 2.4 Adult literacy rate (% ages 15 and older) 99 99 Gross primary, secondary, and tertiary enrollment (%) 68 65 92 Structure Structure Mixed Mixed Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition, partial comp., monopoly) International long distance service C P Internet service C C C F Internet service C C C F Elecommunications revenue (% of GDP) 3.0 2.6 3.1 Mobile and fixed-line subscribers per employee 157 747 Telecommunications investment (% of revenue) 39.2 14.3 Performance Access C 113.3 100.4 Internet subscriptions (per 100 people) 2.4 23.1 50.0 Mobile cellular subscriptions (per 100 people) 6.2 1	Urban population (% of total)	11	13	78		
Adult literacy rate (% ages 15 and older) 99 99 Gross primary, secondary, and tertiary enrollment (%) 68 65 92 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service C C P Internet service C Efficiency and capacity Telecommunications revenue (% of GDP) 3.0 2.6 3.1 Mobile and fixed-line subscribers per employee 157 747 Telecommunications investment (% of revenue) 39.2 14.3 Performance Access 742 113.3 100.4 Internet subscribers (per 100 people) 24.4 23.1 50.0 Mobile cellular subscriptions (per 100 people) 2.4 13.2 67.4 Households with a television (%) 86 88 98 Usage Internet subscripters (per 100 people) 7.7 16.0 65.7 Population covered by mobile cellular	GNI per capita, World Bank Atlas method (\$)	5,170	14,480	37,572		
Gross primary, secondary, and tertiary enrollment (%) 68 65 92 Structure Separate telecommunications regulator No Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Internet service C P Internet service C C Efficiency and capacity Telecommunications revenue (% of GDP) 3.0 2.6 3.1 Mobile and fixed-line subscribers per employee 157 747 Telecommunications investment (% of revenue) 39.2 14.3 Performance Access	GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.0	8.8	2.4		
Structure No Yes Status of main fixed-line telephone operator Mixed Mixed Level of competition (competition, partial comp., monopoly) International long distance service M C Mobile telephone service C P Internet service C C Efficiency and capacity Telecommunications revenue (% of GDP) 3.0 2.6 3.1 Mobile and fixed-line subscribers per employee 157 747 Telecommunications investment (% of revenue) 39.2 14.3 Performance Access C 2.0 6.1 25.8 Personal computers (per 100 people) 2.4 2.3.1 50.0 Mobile cellular subscriptions (per 100 people) 2.0 6.1 25.8 Personal computers (per 100 people) 6.2 13.2 67.4 Households with a television (%) 86 88 98 Usage International voice traffic (minutes per person per month) 353 Internet users (per 100 people) 7.7 16.0 65.7 Quality Price basket for residential fixed line (% a month)	Adult literacy rate (% ages 15 and older)		99	99		
Separate telecommunications regulatorNoYesStatus of main fixed-line telephone operatorMixedMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceMCMobile telephone serviceCPInternet serviceCCEfficiency and capacityCCCTTelecommunications revenue (% of GDP)3.02.63.1Mobile and fixed-line subscribers per employee157747Telecommunications investment (% of revenue)39.214.3PerformanceAccessCCCRelephone lines (per 100 people)2.4113.3100.4Internet subscribtors (per 100 people)2.06.125.8Personal computers (per 100 people)6.213.267.4Households with a television (%)868898UsageInternational voice traffic (minutes per person per month)353Internet users (per 100 people)7.716.065.7QuilityPopulation covered by mobile cellular network (%)10099Fixed broadband subscribers (% of total Internet subscribers)0.043.482.6International Internet bandwidth (bits per second per person)4667518.242AffordabilityTPrice basket for residential fixed line (\$ a month)Price basket for Internet service (§ a m	Gross primary, secondary, and tertiary enrollment (%)	68	65	92		
Status of main fixed-line telephone operatorMixedMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceMCMobile telephone serviceCPInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)3.02.63.1Mobile and fixed-line subscribers per employee157.747Telecommunications investment (% of revenue)39.2.14.3PerformanceAccessTelephone lines (per 100 people)24.423.150.0Mobile cellular subscriptions (per 100 people)2.06.125.8Personal computers (per 100 people)2.06.125.8Personal computers (per 100 people)6.213.267.4Households with a television (%)868898UsageUsage353International voice traffic (minutes per person per month)15.131.314.0Mobile telephone usage (minutes per user per month)353International Internet bandwidth (bits per second per person)4667518,242AffordabilityPrice basket for residential fixed line (\$ a month)13.0Price basket for nobile service (\$ a month)Price basket for nobile service (\$ a month)<	Structure					
Status of main fixed-line telephone operatorMixedMixedLevel of competition (competition, partial comp., monopoly)International long distance serviceMCMobile telephone serviceCPInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)3.02.63.1Mobile and fixed-line subscribers per employee157.747Telecommunications investment (% of revenue)39.2.14.3PerformanceAccessTelephone lines (per 100 people)24.423.150.0Mobile cellular subscriptions (per 100 people)2.06.125.8Personal computers (per 100 people)2.06.125.8Personal computers (per 100 people)6.213.267.4Households with a television (%)868898UsageUsage353International voice traffic (minutes per person per month)15.131.314.0Mobile telephone usage (minutes per user per month)353International Internet bandwidth (bits per second per person)4667518,242AffordabilityPrice basket for residential fixed line (\$ a month)13.0Price basket for nobile service (\$ a month)Price basket for nobile service (\$ a month)<		No	Yes			
Level of competition (competition, partial comp., monopoly) International long distance serviceMCMobile telephone serviceCPInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)3.02.63.1Mobile and fixed-line subscribers per employee157747Telecommunications investment (% of revenue)39.214.3PerformanceAccessAccessTelephone lines (per 100 people)12.4113.3100.4Internet subscribers (per 100 people)2.06.125.8Personal computers (per 100 people)6.213.267.4Households with a television (%)868898Usage		Mixed	Mixed			
International long distance serviceMCMobile telephone serviceCPInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)3.02.63.1Mobile and fixed-line subscribers per employee157Telecommunications investment (% of revenue)39.214.3PerformanceAccessTelephone lines (per 100 people)24.423.150.0Mobile cellular subscriptions (per 100 people)12.4113.3100.4Internet subscribers (per 100 people)2.06.125.8Personal computers (per 100 people)6.213.267.4Households with a television (%)868898Usage						
Mobile telephone serviceCPInternet serviceCCEfficiency and capacityTelecommunications revenue (% of GDP)3.02.63.1Mobile and fixed-line subscribers per employee157747Telecommunications investment (% of revenue)39.214.3PerformanceAccessTelephone lines (per 100 people)24.423.150.0Mobile cellular subscriptions (per 100 people)12.4113.3100.4Internet subscribers (per 100 people)2.06.125.8Personal computers (per 100 people)6.213.267.4Households with a television (%)868898UsageUsage353Internet users (per 100 people)7.716.065.7QualityPopulation covered by mobile cellular network (%)10099Fixed broadband subscribers (% of total Internet subscribers)0.043.482.6International Intermet bandwidth (bits per second per person)4667518,242AffordabilityPrice basket for residential fixed line (\$ a month)13.422.8Price basket for Internet service (\$ a month)13.422.8Price of call to United States (\$ for 3 minutes)2.472.190.81TadeICT goods imports (% of total goods imports)4.15.914.6ICT service exports (% of total service exports)7.0ApplicationsICT sep			С			
Internet service C C Efficiency and capacity 3.0 2.6 3.1 Mobile and fixed-line subscribers per employee 157 .747 Telecommunications investment (% of revenue) 39.2 . 14.3 Performance Access - 14.3 Telephone lines (per 100 people) 24.4 23.1 50.0 Mobile cellular subscriptions (per 100 people) 12.4 113.3 100.4 Internet subscribers (per 100 people) 2.0 6.1 25.8 Personal computers (per 100 people) 6.2 13.2 67.4 Households with a television (%) 86 88 98 Usage	-					
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Personal computers (per 100 people)6.213.267.4Households with a television (%)868898UsageInternational voice traffic (minutes per person per month)15.131.314.0Mobile telephone usage (minutes per user per month)353Internet users (per 100 people)7.716.065.7QualityPopulation covered by mobile cellular network (%)10099Fixed broadband subscribers (% of total Internet subscribers)0.043.482.6International Internet bandwidth (bits per second per person)4667518.242AffordabilityPrice basket for residential fixed line (\$ a month)6.713.0Price basket for Internet service (\$ a month)6.713.0Price of call to United States (\$ for 3 minutes)2.472.190.81TradeICT goods imports (% of total goods exports)0.10.215.2ICT goods imports (% of total service exports)7.0Applications7.0ICT expenditure (% of GDP)6.7E-gov't Web measure index (0-1, 1=highest presence)0.440.60	Mobile cellular subscriptions (per 100 people)	12.4	113.3	100.4		
Households with a television (%)868898UsageInternational voice traffic (minutes per person per month)15.131.314.0Mobile telephone usage (minutes per user per month)353Internet users (per 100 people)7.716.065.7QualityPopulation covered by mobile cellular network (%)10099Fixed broadband subscribers (% of total Internet subscribers)0.043.482.6International Internet bandwidth (bits per second per person)4667518.242AffordabilityPrice basket for residential fixed line (\$ a month)7.016.226.1Price basket for Internet service (\$ a month)6.713.0Price of call to United States (\$ for 3 minutes)2.472.190.81TradeICT goods exports (% of total goods exports)0.10.215.2ICT agoods imports (% of total goods imports)7.0Applications6.715.2ICT expenditure (% of GDP)6.7E-gov't Web measure index (0-1, 1=highest presence)0.440.60	Internet subscribers (per 100 people)	2.0	6.1	25.8		
UsageInternational voice traffic (minutes per person per month)15.131.314.0Mobile telephone usage (minutes per user per month)353Internet users (per 100 people)7.716.065.7Quality10099Fixed broadband subscribers (% of total Internet subscribers)0.043.482.6International Internet bandwidth (bits per second per person)4667518.242Affordability10026.1Price basket for residential fixed line (\$ a month)7.016.226.1Price basket for Internet service (\$ a month)6.713.0Price basket for Internet service (\$ a month)13.422.8Price of call to United States (\$ for 3 minutes)2.472.190.81Trade15.215.210.510.215.2ICT goods imports (% of total goods exports)0.10.215.215.2ICT service exports (% of total service exports)7.0Applications7.0ICT expenditure (% of GDP)6.7E-gov't Web measure index (0-1, 1=highest presence)0.440.60	Personal computers (per 100 people)	6.2	13.2	67.4		
International voice traffic (minutes per person per month)15.131.314.0Mobile telephone usage (minutes per user per month)353Internet users (per 100 people)7.716.065.7Quality10099Fixed broadband subscribers (% of total Internet subscribers)0.043.482.6International Internet bandwidth (bits per second per person)4667518,242Affordability10.226.1Price basket for residential fixed line (\$ a month)7.016.226.1Price basket for Internet service (\$ a month)6.713.0Price basket for Internet service (\$ a month)13.422.8Price of call to Inited States (\$ for 3 minutes)2.472.190.81Trade7.016.215.2ICT goods exports (% of total goods exports)0.10.215.215.2ICT goods imports (% of total service exports)7.0Applications6.7ICT expenditure (% of GDP)6.7E-gov't Web measure index (0-1, 1=highest presence)0.440.60	Households with a television (%)	86	88	98		
Mobile telephone usage (minutes per user per month) </td <td>Usage</td> <td></td> <td></td> <td></td>	Usage					
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Population covered by mobile cellular network (%)10099Fixed broadband subscribers (% of total Internet subscribers)0.043.482.6International Internet bandwidth (bits per second per person)4667518,242AffordabilityPrice basket for residential fixed line (\$ a month)7.016.226.1Price basket for mobile service (\$ a month)6.713.0Price basket for Internet service (\$ a month)13.422.8Price of call to United States (\$ for 3 minutes)2.472.190.81TradeICT goods exports (% of total goods exports)0.10.215.2ICT goods imports (% of total goods imports)4.15.914.6ICT service exports (% of total service exports)7.0ApplicationsICT expenditure (% of GDP)6.7ICT expenditure (% of GDP)0.440.60	Internet users (per 100 people)	7.7	16.0	65.7		
Fixed broadband subscribers (% of total Internet subscribers)0.043.482.6International Internet bandwidth (bits per second per person)4667518,242AffordabilityPrice basket for residential fixed line (\$ a month)7.016.226.1Price basket for mobile service (\$ a month)6.713.0Price basket for Internet service (\$ a month)6.713.0Price basket for Internet service (\$ a month)13.422.8Price of call to United States (\$ for 3 minutes)2.472.190.81TradeICT goods exports (% of total goods exports)0.10.215.2ICT goods imports (% of total goods imports)4.15.914.6ICT service exports (% of total service exports)7.0ApplicationsICT expenditure (% of GDP)6.7IC respenditure (% of GDP)6.7E-gov't Web measure index (0-1, 1=highest presence)0.440.60	Quality					
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Affordability 7.0 16.2 26.1 Price basket for residential fixed line (\$ a month) 7.0 16.2 26.1 Price basket for mobile service (\$ a month) 6.7 13.0 Price basket for Internet service (\$ a month) 6.7 13.0 Price basket for Internet service (\$ a month) 13.4 22.8 Price of call to United States (\$ for 3 minutes) 2.47 2.19 0.81 Trade ICT goods exports (% of total goods exports) 0.1 0.2 15.2 ICT goods imports (% of total goods imports) 4.1 5.9 14.6 ICT service exports (% of total service exports) 7.0 Applications 7.0 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.44 0.60	Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	43.4	82.6		
Price basket for residential fixed line (\$ a month) 7.0 16.2 26.1 Price basket for mobile service (\$ a month) 6.7 13.0 Price basket for Internet service (\$ a month) 13.4 22.8 Price of call to United States (\$ for 3 minutes) 2.47 2.19 0.81 Trade 10.2 15.2 ICT goods exports (% of total goods exports) 0.1 0.2 15.2 ICT goods imports (% of total goods imports) 4.1 5.9 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 1.5.2 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.44 0.60	International Internet bandwidth (bits per second per person	n) 46	675	18,242		
Price basket for mobile service (\$ a month) 6.7 13.0 Price basket for Internet service (\$ a month) 13.4 22.8 Price of call to United States (\$ for 3 minutes) 2.47 2.19 0.81 Trade 10.2 15.2 ICT goods exports (% of total goods exports) 0.1 0.2 15.2 ICT goods imports (% of total goods imports) 4.1 5.9 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.44 0.60	Affordability					
Price basket for Internet service (\$ a month) 13.4 22.8 Price of call to United States (\$ for 3 minutes) 2.47 2.19 0.81 Trade 10.2 15.2 ICT goods exports (% of total goods exports) 0.1 0.2 15.2 ICT goods imports (% of total goods imports) 4.1 5.9 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.44 0.60	Price basket for residential fixed line (\$ a month)	7.0	16.2	26.1		
Price of call to United States (\$ for 3 minutes) 2.47 2.19 0.81 Trade ICT goods exports (% of total goods exports) 0.1 0.2 15.2 ICT goods imports (% of total goods imports) 4.1 5.9 14.6 ICT service exports (% of total service exports) 7.0 Applications ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.44 0.60	Price basket for mobile service (\$ a month)		6.7	13.0		
Trade 0.1 0.2 15.2 ICT goods exports (% of total goods exports) 0.1 0.2 15.2 ICT goods imports (% of total goods imports) 4.1 5.9 14.6 ICT service exports (% of total service exports) 7.0 Applications ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.44 0.60	Price basket for Internet service (\$ a month)		13.4	22.8		
ICT goods exports (% of total goods exports) 0.1 0.2 15.2 ICT goods imports (% of total goods imports) 4.1 5.9 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 6.7 ICT expenditure (% of GDP) 0.44 0.60	Price of call to United States (\$ for 3 minutes)	2.47	2.19	0.81		
ICT goods imports (% of total goods imports) 4.1 5.9 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.44 0.60	Trade					
ICT goods imports (% of total goods imports) 4.1 5.9 14.6 ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.44 0.60	ICT goods exports (% of total goods exports)	0.1	0.2	15.2		
ICT service exports (% of total service exports) 7.0 Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.44 0.60		4.1	5.9	14.6		
Applications 6.7 ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.44 0.60				7.0		
ICT expenditure (% of GDP) 6.7 E-gov't Web measure index (0-1, 1=highest presence) 0.44 0.60						
E-gov't Web measure index (0-1, 1=highest presence) 0.44 0.60				6.7		
			0.44			
		9.2	45.6	662.6		

Tunisia

Middle East & North Africa	Lower	income	
	Country		Lower middle- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	10	10	3,435
Urban population (% of total)	63	66	42
GNI per capita, World Bank Atlas method (\$)	2,090	3,210	1,905
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.5	4.8	8.0
Adult literacy rate (% ages 15 and older)		78	83
Gross primary, secondary, and tertiary enrollment (%)	74	76	68
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	М	С	
Internet service	С	Р	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.1	4.3	3.1
Mobile and fixed-line subscribers per employee	153	915	624
Telecommunications investment (% of revenue)	39.8	23.2	25.3
Performance			
Access			
Telephone lines (per 100 people)	10.0	12.5	15.3
Mobile cellular subscriptions (per 100 people)	1.2	76.7	38.9
Internet subscribers (per 100 people)	0.4	2.5	
Personal computers (per 100 people)	2.2	7.5	
Households with a television (%) Usage	87	93	79
International voice traffic (minutes per person per month)	3.7	6.1	
Mobile telephone usage (minutes per user per month)		135	
Internet users (per 100 people)	2.7	16.8	
Quality		10.0	
Population covered by mobile cellular network (%)	60	100	80
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	45.1	40.4
International Internet bandwidth (bits per second per person	ı) 5	303	199
Affordability			
Price basket for residential fixed line (\$ a month)	4.2	3.0	7.2
Price basket for mobile service (\$ a month)		6.6	9.8
Price basket for Internet service (\$ a month)		11.6	16.7
Price of call to United States (\$ for 3 minutes)	2.25		2.08
Trade			
ICT goods exports (% of total goods exports)	3.4	4.2	
ICT goods imports (% of total goods imports)	5.5	5.9	
ICT service exports (% of total service exports)	1.2	1.2	15.6
Applications			o -
ICT expenditure (% of GDP)		6.0	
E-gov't Web measure index (0–1, 1=highest presence)		0.13	
Secure Internet servers (per million people)	0.4	10.7	1.8

Turkey

Europe & Central Asia

Upper middle income

Europe & Central Asia	opper midule		lule income		
	Countr	Country data		Uppe middle y data	
-	2000	2007	group 2007		
Economic and social context					
Population (millions)	67	74	824		
Urban population (% of total)	65	68	75		
GNI per capita, World Bank Atlas method (\$)	3,930	8,030	7,107		
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.5	5.9	4.3		
Adult literacy rate (% ages 15 and older)		89	94		
Gross primary, secondary, and tertiary enrollment (%)	68	69	82		
Structure					
Separate telecommunications regulator	Yes	Yes			
Status of main fixed-line telephone operator	Public	Mixed			
Level of competition (competition, partial comp., monopoly)					
International long distance service	М	C			
Mobile telephone service	С	P			
Internet service	С	C			
Efficiency and capacity					
Telecommunications revenue (% of GDP)	3.0	2.5			
Mobile and fixed-line subscribers per employee	477	1,782			
Telecommunications investment (% of revenue)	7.7	11.7			
Performance					
Access					
Telephone lines (per 100 people)	27.3	24.6			
Mobile cellular subscriptions (per 100 people)	23.9	83.9			
Internet subscribers (per 100 people)	2.2	6.3			
Personal computers (per 100 people)	3.7 96	6.0 112			
Households with a television (%) Usage	90	112	92		
International voice traffic (minutes per person per month)	2.4	2.5			
Mobile telephone usage (minutes per user per month)	81	69	137		
Internet users (per 100 people) Quality	3.7	16.5	26.6		
Population covered by mobile cellular network (%)	50	98	95		
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	97.2	47.8		
International Internet bandwidth (bits per second per person		1,381			
Affordability	,				
Price basket for residential fixed line (\$ a month)	10.4	13.5	10.6		
Price basket for mobile service (\$ a month)		12.7	10.9		
Price basket for Internet service (\$ a month)		10.9	16.4		
Price of call to United States (\$ for 3 minutes)	3.30	2.40	1.55		
Trade					
ICT goods exports (% of total goods exports)	4.0	2.0	13.5		
ICT goods imports (% of total goods imports)	11.1	4.0	16.2		
ICT service exports (% of total service exports)		1.8	4.6		
Applications					
ICT expenditure (% of GDP)		5.5			
E-gov't Web measure index (0-1, 1=highest presence)		0.42			
Secure Internet servers (per million people)	3.2	56.5	26.2		

Turkmenistan

Europe	&	Central	Asia

Lower middle income

Lutope & Central Asia	LOWEI	innuure	income
	Countr	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	5	5	3,435
Urban population (% of total)	46	48	- /
GNI per capita, World Bank Atlas method (\$)	650		4 0 0 5
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.0		
Adult literacy rate (% ages 15 and older)		100	
Gross primary, secondary, and tertiary enrollment (%)			
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly			
International long distance service	, М	М	
Mobile telephone service	C	 C	
Internet service			
Efficiency and conceity			
Efficiency and capacity Telecommunications revenue (% of GDP)	0.9	0.7	3.1
Mobile and fixed-line subscribers per employee Telecommunications investment (% of revenue)	50 9.0	72	05.0
Performance Access			
Telephone lines (per 100 people)	8.1	9.2	15.3
Mobile cellular subscriptions (per 100 people)	0.2	7.0	38.9
Internet subscribers (per 100 people)	0.0		6.0
Personal computers (per 100 people)	1.5	7.2	4.6
Households with a television (%)	0	0	79
Usage			
International voice traffic (minutes per person per month)	0.5		
Mobile telephone usage (minutes per user per month)		282	322
Internet users (per 100 people)	0.1	1.4	12.4
Quality Population covered by mobile cellular network (%)	12	14	80
Fixed broadband subscribers (% of total Internet subscriber	s) 0.0		40.4
International Internet bandwidth (bits per second per perso	,	16	199
Affordability	,		
Price basket for residential fixed line (\$ a month)		1.5	7.2
Price basket for mobile service (\$ a month)		17.2	9.8
Price basket for Internet service (\$ a month)		69.5	16.7
Price of call to United States (\$ for 3 minutes)			2.08
Trade			
ICT goods exports (% of total goods exports)	0.0		20.6
ICT goods imports (% of total goods imports)	6.3		20.2
ICT service exports (% of total service exports)			15.0
Applications			
Applications ICT expenditure (% of GDP)			6.5
		 0.05	

Uganda

Sub-Saharan Africa

Low income

	Country	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	25	31	1,296
Urban population (% of total)	12	13	32
GNI per capita, World Bank Atlas method (\$)	260	370	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	6.4	7.1	5.6
Adult literacy rate (% ages 15 and older)	68	74	64
Gross primary, secondary, and tertiary enrollment (%)	66	63	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	3.2	3.3
Mobile and fixed-line subscribers per employee	79	255	301
Telecommunications investment (% of revenue)	26.2	23.4	
Performance			
Access			
Telephone lines (per 100 people)	0.2	0.5	
Mobile cellular subscriptions (per 100 people)	0.5	13.6	
Internet subscribers (per 100 people)	0.0	0.1	
Personal computers (per 100 people)	0.2	1.7	
Households with a television (%) Usage	5	10	16
International voice traffic (minutes per person per month)	0.1	0.6	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.2	2.5	5.2
Quality			
Population covered by mobile cellular network (%)	16	80	54
Fixed broadband subscribers (% of total Internet subscribers	s) 0.0	12.0	3.4
International Internet bandwidth (bits per second per person	ı) O	11	26
Affordability			
Price basket for residential fixed line (\$ a month)	14.4	13.2	5.7
Price basket for mobile service (\$ a month)		9.2	11.2
Price basket for Internet service (\$ a month)		51.7	29.2
Price of call to United States (\$ for 3 minutes)	3.63	3.21	2.00
Trade			
ICT goods exports (% of total goods exports)	1.1	6.9	1.4
ICT goods imports (% of total goods imports)	6.1	10.0	6.7
ICT service exports (% of total service exports)	4.1	7.6	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0-1, 1=highest presence)		0.27	0.11
Secure Internet servers (per million people)		0.2	0.5

Ukraine

Europe	&	Central	Asia
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Lower middle income

	Lonici	Lower middle	
	Countr	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	49	47	3,435
Urban population (% of total)	67	68	- /
GNI per capita, <i>World Bank Atlas</i> method (\$)	700	2,560	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	-1.9	7.6	,
Adult literacy rate (% ages 15 and older)	99	100	
Gross primary, secondary, and tertiary enrollment (%)	84	86	68
Structure			
Separate telecommunications regulator		Yes	;
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	С	C	
Mobile telephone service	С	P	•
Internet service		C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	5.7	3.1
Mobile and fixed-line subscribers per employee	88	210	624
Telecommunications investment (% of revenue)	23.1	31.4	25.3
Performance			
Access			
Telephone lines (per 100 people)	21.2	27.6	
Mobile cellular subscriptions (per 100 people)	1.7	118.8	
Internet subscribers (per 100 people)	0.5	13.8	
Personal computers (per 100 people)	1.8	4.5	
Households with a television (%)	97	97	79
Usage	1 1	4 7	
International voice traffic (minutes per person per month)	1.1 49	<i>4.7</i> 156	
Mobile telephone usage (minutes per user per month) Internet users (per 100 people)	49 0.7	21.5	
Quality	0.7	21.5	12.4
Population covered by mobile cellular network (%)	75	100	80
Fixed broadband subscribers (% of total Internet subscribers		12.5	
International Internet bandwidth (bits per second per persor	,	206	
Affordability	-, =		
Price basket for residential fixed line (\$ a month)		2.6	7.2
Price basket for mobile service (\$ a month)		9.4	
Price basket for Internet service (\$ a month)		7.6	16.7
Price of call to United States (\$ for 3 minutes)		1.65	2.08
Trade			
ICT goods exports (% of total goods exports)	1.3	1.5	20.6
ICT goods imports (% of total goods imports)	3.6	3.3	20.2
ICT service exports (% of total service exports)	2.5	3.6	15.6
Applications			
ICT expenditure (% of GDP)		7.1	6.5
E-gov't Web measure index (0-1, 1=highest presence)		0.54	0.33
Secure Internet servers (per million people)	0.9	4.3	1.8

United Arab Emirates

High income

	Country	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	3	4	1,056
Urban population (% of total)	78	78	78
GNI per capita, World Bank Atlas method (\$)	19,270	26,270	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.1	7.7	2.4
Adult literacy rate (% ages 15 and older)		90	99
Gross primary, secondary, and tertiary enrollment (%)	66	60	92
Structure			
Separate telecommunications regulator		Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Р	
Mobile telephone service	М	P	
Internet service	М	P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.7	3.1
Mobile and fixed-line subscribers per employee	294	852	747
Telecommunications investment (% of revenue)	28.9	9.8	14.3
Performance			
Access			
Telephone lines (per 100 people)	31.4	31.7	50.0
Mobile cellular subscriptions (per 100 people)	44.0	177.1	100.4
Internet subscribers (per 100 people)	6.5	20.7	25.8
Personal computers (per 100 people)	12.3	33.0	67.4
Households with a television (%)	86	86	98
Usage			
International voice traffic (minutes per person per month)			14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	23.6	51.8	65.7
Quality			
Population covered by mobile cellular network (%)	100	100	99
Fixed broadband subscribers (% of total Internet subscribers	s) 0.7	42.0	82.6
International Internet bandwidth (bits per second per persor	n) 5	2,785	18,242
Affordability			
Price basket for residential fixed line (\$ a month)	5.0	4.9	26.1
Price basket for mobile service (\$ a month)		7.7	13.0
Price basket for Internet service (\$ a month)		13.1	22.8
Price of call to United States (\$ for 3 minutes)	3.51	1.73	0.81
Trade			
ICT goods exports (% of total goods exports)		4.3	15.2
ICT goods imports (% of total goods imports)		8.6	14.6
ICT service exports (% of total service exports)			7.0
Applications			
ICT expenditure (% of GDP)		5.1	6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.72	0.60
Secure Internet servers (per million people)	9.1	125.8	662.6

United Kingdom

High income

	Country	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	59	61	1,056
Urban population (% of total)	89	90	78
GNI per capita, World Bank Atlas method (\$)	25,480	40,660	37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	3.2	2.6	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	90	93	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)		
International long distance service	, C	С	
Mobile telephone service	С	C	
Internet service	C	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	3.7	3.1
Mobile and fixed-line subscribers per employee	380	0.1	
Telecommunications investment (% of revenue)	30.4		14.3
Performance			
Access			
Telephone lines (per 100 people)	59.8	55.2	50.0
Mobile cellular subscriptions (per 100 people)	73.8	118.0	100.4
Internet subscribers (per 100 people)	14.3	30.0	25.8
Personal computers (per 100 people)	34.3	80.2	67.4
Households with a television (%)	97	98	98
Usage			
International voice traffic (minutes per person per month)	21.9		14.0
Mobile telephone usage (minutes per user per month)	150	179	353
Internet users (per 100 people)	26.8	71.7	65.7
Quality			
Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscriber	s) 0.6	85.4	82.6
International Internet bandwidth (bits per second per perso	n) 1,469	39,650	18,242
Affordability	, ,		- /
Price basket for residential fixed line (\$ a month)	25.3	28.2	26.1
Price basket for mobile service (\$ a month)		32.2	13.0
Price basket for Internet service (\$ a month)		21.4	22.8
Price of call to United States (\$ for 3 minutes)	1.07	0.77	0.81
Trade			
ICT goods exports (% of total goods exports)	19.8	20.5	15.2
ICT goods imports (% of total goods imports)	20.0	13.6	
ICT service exports (% of total service exports)	5.9	7.8	
Applications			
ICT expenditure (% of GDP)		6.7	6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.69	

United States

High income

	Country	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	282	302	1,056
Urban population (% of total)	79	81	78
GNI per capita, World Bank Atlas method (\$)	34,410	46,040	37,572
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	4.2	2.6	2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)	92	93	92
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Private	Private	
Level of competition (competition, partial comp., monopoly)		Thvate	
International long distance service	С	С	
Mobile telephone service	C	C	
Internet service	C	C	
Efficiency and capacity	3.0	3.1	3.1
Telecommunications revenue (% of GDP)			
Mobile and fixed-line subscribers per employee	239	389	747
Telecommunications investment (% of revenue)	25.3	6.6	14.3
Performance			
Access			
Telephone lines (per 100 people)	68.2	54.1	50.0
Mobile cellular subscriptions (per 100 people)	38.8	84.7	100.4
Internet subscribers (per 100 people)	20.0		25.8
Personal computers (per 100 people)	57.1	80.5	67.4
Households with a television (%)	96	95	98
Usage			
International voice traffic (minutes per person per month)	12.7	23.3	
Mobile telephone usage (minutes per user per month)	387	748	
Internet users (per 100 people)	43.9	73.5	65.7
Quality Population covered by mobile cellular network (%)	99	100	99
Fixed broadband subscribers (% of total Internet subscribers			82.6
International Internet bandwidth (bits per second per persor		11,277	18,242
Affordability	.,	11,211	10,212
Price basket for residential fixed line (\$ a month)	21.5	25.5	26.1
Price basket for mobile service (\$ a month)		6.7	13.0
Price basket for Internet service (\$ a month)		20.0	
Price of call to United States (\$ for 3 minutes)			0.81
Trade			0.01
ICT goods exports (% of total goods exports)	23.4	16.3	15.2
ICT goods imports (% of total goods imports)	18.9	14.6	
ICT service exports (% of total service exports)	3.3	4.3	7.0
Applications	0.0		
ICT expenditure (% of GDP)		7.5	6.7
E-gov't Web measure index (0–1, 1=highest presence)		0.95	0.60
Secure Internet servers (per million people)	274.0	1,173.7	662.6
		_,	2 02.0



Latin America & Caribbean

Upper middle income

	opper	iniuule	meonie
	Countr	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	3	3	824
Urban population (% of total)	91	92	75
GNI per capita, World Bank Atlas method (\$)	6,220	6,390	7,107
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.2	3.3	4.3
Adult literacy rate (% ages 15 and older)		98	94
Gross primary, secondary, and tertiary enrollment (%)	84	89	82
Structure			
Separate telecommunications regulator	No	Yes	;
Status of main fixed-line telephone operator	Public	Public	;
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	F)
Mobile telephone service	С	C	;
Internet service	Р	C	;
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	3.7	3.3
Mobile and fixed-line subscribers per employee	243	661	566
Telecommunications investment (% of revenue)	13.5	16.4	
Performance			
Access			
Telephone lines (per 100 people)	28.1	29.0	22.6
Mobile cellular subscriptions (per 100 people)	12.4	90.4	84.1
Internet subscribers (per 100 people)		7.3	9.4
Personal computers (per 100 people)	10.6	13.6	12.4
Households with a television (%)	82	92	92
Usage			
International voice traffic (minutes per person per month)	5.1	10.6	;
Mobile telephone usage (minutes per user per month)			. 137
Internet users (per 100 people)	10.6	29.1	26.6
Quality Population covered by mobile cellular network (%)	100	100	95
Fixed broadband subscribers (% of total Internet subscribers		67.8	
International Internet bandwidth (bits per second per person	<i>,</i>	903	
Affordability) 10	903	1,105
Price basket for residential fixed line (\$ a month)	15.6	10.7	, 10.6
Price basket for mobile service (\$ a month)	15.0	16.1	
Price basket for Internet service (\$ a month)		23.4	
	 4.88	0.52	
Price of call to United States (\$ for 3 minutes) Trade	4.00	0.92	1.00
ICT goods exports (% of total goods exports)	0.2	0.1	13.5
ICT goods imports (% of total goods imports)	7.4	6.5	
ICT service exports (% of total service exports)	2.9	8.8	
Applications	2.9	0.0	- 4.0
ICT expenditure (% of GDP)		6.0	5.2
E-gov't Web measure index (0–1, 1=highest presence)		0.51	
Secure Internet servers (per million people)	 11.2	42.6	
	11.2	42.0	20.2

Uzbekistan

Europe & Central Asia

Low income

	Countr	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	25	27	1,296
Urban population (% of total)	37	37	32
GNI per capita, World Bank Atlas method (\$)	630	730	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	4.1	6.2	5.6
Adult literacy rate (% ages 15 and older)	97		64
Gross primary, secondary, and tertiary enrollment (%)	75	74	51
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly			
International long distance service	Р	Р	
Mobile telephone service	С	С	
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.6	2.5	3.3
Mobile and fixed-line subscribers per employee	66	117	
Telecommunications investment (% of revenue)	25.3	27.9	
Performance			
Access			
Telephone lines (per 100 people)	6.7	6.8	
Mobile cellular subscriptions (per 100 people)	0.2	21.9	
Internet subscribers (per 100 people)	0.0	0.1	
Personal computers (per 100 people)		3.1	
Households with a television (%)	93	99	16
Usage			
International voice traffic (minutes per person per month)	0.5	1.0	
Mobile telephone usage (minutes per user per month)		411	
Internet users (per 100 people)	0.5	4.5	5.2
Quality Population covered by mobile cellular network (%)	75	75	54
		7.5	
Fixed broadband subscribers (% of total Internet subscriber	-,	7.4 9	
International Internet bandwidth (bits per second per perso Affordability	i) 0	9	20
Price basket for residential fixed line (\$ a month)	2.6	0.9	5.7
Price basket for mobile service (\$ a month)	2.0	1.8	
Price basket for Internet service (\$ a month)		5.2	
Price of call to United States (\$ for 3 minutes)	13.95		2.00
Trade	10.00		2.00
ICT goods exports (% of total goods exports)			1.4
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)			
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.27	0.11
Secure Internet servers (per million people)		0.2	

Vanuatu

East Asia & Pacific

Lower middle income

		initiatio	moonic
	Countr	Country data	
-	2000	2007	group 2007
Economic and social context			
Population (millions)	0.19	0.23	3,435
Urban population (% of total)	22	24	42
GNI per capita, World Bank Atlas method (\$)	1,250	1,840	1,905
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	2.2	2.8	8.0
Adult literacy rate (% ages 15 and older)		78	83
Gross primary, secondary, and tertiary enrollment (%)	60	63	68
Structure			
Separate telecommunications regulator		Yes	
Status of main fixed-line telephone operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	P	
Mobile telephone service		C	
Internet service		P	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	3.7	3.1
Mobile and fixed-line subscribers per employee	39	131	624
Telecommunications investment (% of revenue)		20.0	25.3
Performance			
Access			
Telephone lines (per 100 people)	3.5	3.9	15.3
Mobile cellular subscriptions (per 100 people)	0.2	11.5	38.9
Internet subscribers (per 100 people)	0.7	0.7	6.0
Personal computers (per 100 people)	1.3	1.4	4.6
Households with a television (%)	6	6	79
Usage			
International voice traffic (minutes per person per month)			
Mobile telephone usage (minutes per user per month)			322
Internet users (per 100 people)	2.1	7.5	12.4
Quality			
Population covered by mobile cellular network (%)	20	50	
Fixed broadband subscribers (% of total Internet subscribers		3.7	
International Internet bandwidth (bits per second per person	ı) 3	19	199
Affordability			
Price basket for residential fixed line (\$ a month)	21.2	31.6	
Price basket for mobile service (\$ a month)		18.2	
Price basket for Internet service (\$ a month)		56.7	16.7
Price of call to United States (\$ for 3 minutes)	7.45		2.08
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			15.6
Applications			
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0–1, 1=highest presence)		0.03	
Secure Internet servers (per million people)	10.3	160.1	1.8

Venezuela, RB

Latin America & Caribbean	Upper	Upper middle	
	Countr	Country data	
-		-	group 2007
	2000	2007	2007
Economic and social context			
Population (millions)	24	27	
Urban population (% of total)	90	93	
GNI per capita, World Bank Atlas method (\$)	4,100	7,550	
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	0.6	4.6	
Adult literacy rate (% ages 15 and older)	93	95	
Gross primary, secondary, and tertiary enrollment (%)	67	76	82
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	С	
Mobile telephone service	С	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	3.8	3.3
Mobile and fixed-line subscribers per employee	386	677	
Telecommunications investment (% of revenue)	26.3	18.5	
	20.5	10.5	
Performance			
Access			
Telephone lines (per 100 people)	10.4	18.5	
Mobile cellular subscriptions (per 100 people)	22.4	86.7	
Internet subscribers (per 100 people)	1.1	3.7	
Personal computers (per 100 people)	4.5	9.3	
Households with a television (%)	82	90	92
Usage	1.0		
International voice traffic (minutes per person per month)	1.9		
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people) Quality	3.4	20.8	26.6
Population covered by mobile cellular network (%)		90	95
Fixed broadband subscribers (% of total Internet subscribers	s) 1.6	85.3	
International Internet bandwidth (bits per second per persor		628	
Affordability	,		,
Price basket for residential fixed line (\$ a month)		6.7	10.6
Price basket for mobile service (\$ a month)		1.2	10.9
Price basket for Internet service (\$ a month)		23.0	16.4
Price of call to United States (\$ for 3 minutes)	0.78	0.84	1.55
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	13.5
ICT goods imports (% of total goods imports)	9.4	12.1	16.2
ICT service exports (% of total service exports)	9.6	11.1	4.6
Applications			
ICT expenditure (% of GDP)		3.9	5.2
E-gov't Web measure index (0-1, 1=highest presence)		0.47	0.37
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220

Secure Internet servers (per million people)

3.7

6.8

26.2

Vietnam

East Asia & Pacific

Low income

	Country data		Low- income group
	2000	2007	2007
Economic and social context			
Population (millions)	78	85	1,296
Urban population (% of total)	24	27	32
GNI per capita, World Bank Atlas method (\$)	390	770	574
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	6.7	7.8	5.6
Adult literacy rate (% ages 15 and older)	90		64
Gross primary, secondary, and tertiary enrollment (%)	64	64	51
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)		Mixed	
International long distance service	М	С	
Mobile telephone service	M	C	
Internet service	P	C	
Efficiency and capacity Telecommunications revenue (% of GDP)	3.5	4.7	3.3
Mobile and fixed-line subscribers per employee	43	4.7	
Telecommunications investment (% of revenue)	43 50.1		
	50.1		
Performance			
Access			
Telephone lines (per 100 people)	3.3	33.5	
Mobile cellular subscriptions (per 100 people)	1.0	27.9	
Internet subscribers (per 100 people)	0.1	6.2	0.8
Personal computers (per 100 people)	0.8	9.6	
Households with a television (%)	78	89	16
Usage			
International voice traffic (minutes per person per month)	0.6		
Mobile telephone usage (minutes per user per month)		71	
Internet users (per 100 people)	0.3	21.0	5.2
Quality Population covered by mobile cellular network (%)		70	54
	s) 0.0	24.7	
Fixed broadband subscribers (% of total Internet subscribers	·	24.7 148	
International Internet bandwidth (bits per second per person Affordability	1) 0	140	20
Price basket for residential fixed line (\$ a month)	5.4	2.7	5.7
		6.3	
Price basket for mobile service (\$ a month)		0.3 10.4	
Price basket for Internet service (\$ a month)			
Price of call to United States (\$ for 3 minutes) Trade	9.29	1.95	2.00
	4.7	5.1	1.4
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	4.7 6.7	5.1 7.6	
ICT service exports (% of total service exports)			
Applications		C 1	
ICT expenditure (% of GDP)		6.1 0.44	 0.11
E-gov't Web measure index (0–1, 1=highest presence)	 0.1	0.44	0.11
Secure Internet servers (per million people)	0.1	1.1	0.5

Virgin Islands (U.S.)

High income

	Country	Country data	
	2000	2007	group 2007
Economic and social context			
Population (millions)	0.11	0.11	1,056
Urban population (% of total)	93	95	78
GNI per capita, World Bank Atlas method (\$)			37,572
GDP growth, 1995-2000 and 2000-07 (avg. annual %)			2.4
Adult literacy rate (% ages 15 and older)			99
Gross primary, secondary, and tertiary enrollment (%)			92
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)			
International long distance service			
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)			3.1
Mobile and fixed-line subscribers per employee			747
Telecommunications investment (% of revenue)			14.3
Performance Access			
Telephone lines (per 100 people)	62.9	66.0	50.0
Mobile cellular subscriptions (per 100 people)	32.2	73.9	100.4
Internet subscribers (per 100 people)			25.8
Personal computers (per 100 people)	2.4	2.8	
Households with a television (%)	50	50	98
Usage			
International voice traffic (minutes per person per month)			14.0
Mobile telephone usage (minutes per user per month)			353
Internet users (per 100 people)	13.8	27.7	65.7
Quality			
Population covered by mobile cellular network (%)			99
Fixed broadband subscribers (% of total Internet subscribers	s)		82.6
International Internet bandwidth (bits per second per persor	n) 414	414	18,242
Affordability			
Price basket for residential fixed line (\$ a month)			26.1
Price basket for mobile service (\$ a month)			13.0
Price basket for Internet service (\$ a month)			22.8
Price of call to United States (\$ for 3 minutes)			0.81
Trade			
ICT goods exports (% of total goods exports)			15.2
ICT goods imports (% of total goods imports)			14.6
ICT service exports (% of total service exports)			7.0
Applications			
ICT expenditure (% of GDP)			6.7
E-gov't Web measure index (0-1, 1=highest presence)			0.60
Secure Internet servers (per million people)	36.8	277.2	662.6

West Bank and Gaza

Middle East & North Africa

Lower middle income

Milule East & North Africa	FOLICI	iniuuio	mcome
	Ocumtu		Lower middle- income
	Countr	2007	group 2007
	2000	2007	2007
Economic and social context			0.405
Population (millions)	3	4	- /
Urban population (% of total)	72	72	
GNI per capita, World Bank Atlas method (\$)	1,600	1,290	,
GDP growth, 1995–2000 and 2000–07 (avg. annual %)	7.4	-0.9	
Adult literacy rate (% ages 15 and older)		94	
Gross primary, secondary, and tertiary enrollment (%)	77	82	68
Structure			
Separate telecommunications regulator		No	1
Status of main fixed-line telephone operator			
Level of competition (competition, partial comp., monopoly)		
International long distance service			
Mobile telephone service			
Internet service			
Efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4	0.8	3.1
Mobile and fixed-line subscribers per employee	263	880	624
Telecommunications investment (% of revenue)	46.2	18.4	25.3
Performance			
Access			
Telephone lines (per 100 people)	9.3	9.4	15.3
Mobile cellular subscriptions (per 100 people)	6.0	27.7	38.9
Internet subscribers (per 100 people)	0.2	2.8	6.0
Personal computers (per 100 people)	3.5	5.6	4.6
Households with a television (%)	85	93	79
Usage			
International voice traffic (minutes per person per month)	2.4	5.7	·
Mobile telephone usage (minutes per user per month)			322
Internet users (per 100 people)	1.2	9.6	12.4
Quality			
Population covered by mobile cellular network (%)	95	95	80
Fixed broadband subscribers (% of total Internet subscriber	rs) 0.0	54.5	40.4
International Internet bandwidth (bits per second per perso	n) 7	324	199
Affordability			
Price basket for residential fixed line (\$ a month)	10.3	1.0	7.2
Price basket for mobile service (\$ a month)		9.6	9.8
Price basket for Internet service (\$ a month)		15.7	16.7
Price of call to United States (\$ for 3 minutes)	1.11	1.17	2.08
Trade			
ICT goods exports (% of total goods exports)			20.6
ICT goods imports (% of total goods imports)			20.2
ICT service exports (% of total service exports)			15.6
Applications			
ICT expenditure (% of GDP)			6.5
E-gov't Web measure index (0-1, 1=highest presence)			0.00
Secure Internet servers (per million people)		1.3	1.8

Yemen, Rep.

Middle East & North Africa

Low income

	Country data		Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	18	22	1,296
Urban population (% of total)	26	30	32
GNI per capita, World Bank Atlas method (\$)	400	870	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	5.6	4.0	5.6
Adult literacy rate (% ages 15 and older)		59	64
Gross primary, secondary, and tertiary enrollment (%)	50	55	51
Structure			
Separate telecommunications regulator		No	
Status of main fixed-line telephone operator		Public	
Level of competition (competition, partial comp., monopoly))		
International long distance service	М	М	
Mobile telephone service	С	С	
Internet service	М	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	1.0	1.2	3.3
Mobile and fixed-line subscribers per employee	72		301
Telecommunications investment (% of revenue)	51.1		
Performance			
Access			
Telephone lines (per 100 people)	1.9	4.5	
Mobile cellular subscriptions (per 100 people)	0.2	13.7	
Internet subscribers (per 100 people)	0.0	0.7	
Personal computers (per 100 people)	0.2	2.8	
Households with a television (%)	43	43	16
Usage	0.7		
International voice traffic (minutes per person per month)			
Mobile telephone usage (minutes per user per month) Internet users (per 100 people)	 0.1	 1.4	 5.2
Quality	0.1	1.4	5.2
Population covered by mobile cellular network (%)		68	54
Fixed broadband subscribers (% of total Internet subscribers			3.4
International Internet bandwidth (bits per second per person		28	
Affordability	i) 0	20	20
Price basket for residential fixed line (\$ a month)	3.7	2.5	5.7
Price basket for mobile service (\$ a month)		4.2	
Price basket for Internet service (\$ a month)		11.0	
Price of call to United States (\$ for 3 minutes)	4.45	2.39	
Trade			
ICT goods exports (% of total goods exports)		0.1	1.4
ICT goods imports (% of total goods imports)		3.7	6.7
ICT service exports (% of total service exports)	28.1	18.9	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0–1, 1=highest presence)		0.07	0.11
Secure Internet servers (per million people)		0.2	0.5

Zambia

Sub-Saharan Africa

Low income

	Country data		Low- income group
	2000	2007	2007
Economic and social context			
Population (millions)	10	12	1,296
Urban population (% of total)	35	35	32
GNI per capita, World Bank Atlas method (\$)	300	770	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	2.2	5.1	5.6
Adult literacy rate (% ages 15 and older)	68	71	64
Gross primary, secondary, and tertiary enrollment (%)	43	60	51
Structure			
Separate telecommunications regulator	Yes	Yes	
Status of main fixed-line telephone operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	М	
Mobile telephone service	С	С	
Internet service	С	C	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	2.5	3.3
Mobile and fixed-line subscribers per employee	59	175	301
Telecommunications investment (% of revenue)	12.3	29.3	
Performance Access			
Telephone lines (per 100 people)	0.8	0.8	4.0
Mobile cellular subscriptions (per 100 people)	0.9	22.1	21.5
Internet subscribers (per 100 people)	0.1	0.1	0.8
Personal computers (per 100 people)	0.7	1.1	1.5
Households with a television (%)	23		16
Usage			
International voice traffic (minutes per person per month)	0.3	0.6	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.2	4.2	5.2
Quality Population covered by mobile cellular network (%)	51	50	54
Fixed broadband subscribers (% of total Internet subscribers		25.8	
International Internet bandwidth (bits per second per person		20.0	
Affordability	i) 0	0	20
Price basket for residential fixed line (\$ a month)	4.6	8.9	5.7
Price basket for mobile service (\$ a month)		14.6	
Price basket for Internet service (\$ a month)		78.6	
Price of call to United States (\$ for 3 minutes)	2.57	1.41	
Trade			
ICT goods exports (% of total goods exports)	0.0	0.1	1.4
ICT goods imports (% of total goods imports)	6.7	5.1	6.7
ICT service exports (% of total service exports)		8.5	
Applications			
ICT expenditure (% of GDP)			
E-gov't Web measure index (0-1, 1=highest presence)		0.00	0.11
Secure Internet servers (per million people)		0.3	0.5

Zimbabwe

Sub-Saharan Africa

Low income

	Country data		Low- income group
-	2000	2007	2007
Economic and social context			
Population (millions)	13	13	1,296
Urban population (% of total)	34	37	32
GNI per capita, World Bank Atlas method (\$)	450	340	574
GDP growth, 1995-2000 and 2000-07 (avg. annual %)	0.7	-5.7	5.6
Adult literacy rate (% ages 15 and older)		91	64
Gross primary, secondary, and tertiary enrollment (%)	57	52	51
Structure			
Separate telecommunications regulator	No	Yes	
Status of main fixed-line telephone operator	Public	Private	
Level of competition (competition, partial comp., monopoly)			
International long distance service	М	Р	
Mobile telephone service	С	С	
Internet service	С	С	
Efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2		3.3
Mobile and fixed-line subscribers per employee	112	381	301
Telecommunications investment (% of revenue)	90.9		
Performance			
Access			
Telephone lines (per 100 people)	2.0	2.6	
Mobile cellular subscriptions (per 100 people)	2.1	9.1	
Internet subscribers (per 100 people)	0.2	0.7	
Personal computers (per 100 people)	1.5	6.5	
Households with a television (%)	18	32	16
Usage			
International voice traffic (minutes per person per month)	0.9	1.7	
Mobile telephone usage (minutes per user per month)			
Internet users (per 100 people)	0.4	10.1	5.2
Quality			- 4
Population covered by mobile cellular network (%)		75	
Fixed broadband subscribers (% of total Internet subscribers		15.3	
International Internet bandwidth (bits per second per person	n) 1	4	26
Affordability	0.0	4.0	F 7
Price basket for residential fixed line (\$ a month)	6.3	4.3	
Price basket for mobile service (\$ a month)		3.4	
Price basket for Internet service (\$ a month)		24.6	
Price of call to United States (\$ for 3 minutes)	4.36		2.00
Trade	0.2	0.3	1.4
ICT goods exports (% of total goods exports)	0.2 4.0	0.3 2.0	
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			
Applications		3.5	
ICT expenditure (% of GDP)		3.5	
E-gov't Web measure index (0–1, 1=highest presence)		0.09	0.11

<u>Glossary</u>

Adult literacy rate is the percentage of people ages 15 and older who can, with understanding, read and write a short, simple statement about their everyday life. (United Nations Educational, Scientific, and Cultural Organization Institute for Statistics)

E-government Web measure index measures the level of sophistication of a government's online presence based on five stages of e-government evolution: emerging presence, enhanced presence, interactive presence, transactional presence, and networked presence. A value of 0 indicates the lowest presence, a value of 1 the highest. (United Nations Department of Economic and Social Affairs and United Nations Public Administration Network)

Fixed broadband subscribers are users of the Internet who subscribe to paid high-speed access to the public Internet. High-speed access is at least 256 kilobits per second in one or both directions. (International Telecommunication Union)

GDP growth is the annual percentage rate of growth of gross domestic product (GDP) at market prices based on constant local currency. Aggregates are based on 2000 U.S. dollars. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. (World Bank and Organisation for Economic Co-operation and Development)

GNI per capita, *World Bank Atlas* **method**, is gross national income (GNI) converted to U.S. dollars using the *World Bank Atlas* method divided by the midyear population. GNI is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. GNI, calculated in national currency, is usually converted to U.S. dollars at official exchange rates for comparisons across economies. The *World Bank Atlas* method is used to smooth fluctuations in prices and exchange rates. It averages the exchange rate for a given year and the two preceding years, adjusted for differences in rates of inflation between the country and the Euro area, Japan, the United Kingdom, and the United States. (World Bank)

Gross primary, secondary, and tertiary enrollment is the combined number of students enrolled in primary, secondary, and tertiary levels of education, regardless of age, as a percentage of the population of official school age for the three levels. (United Nations Educational, Scientific and Cultural Organization Institute for Statistics)

Households with a television are the percentage of households with a television (a standalone device capable of receiving broadcast television signals using such access means as over-the-air reception, cable, or satellite. (International Telecommunication Union)

Glossary

ICT expenditure comprises computer hardware (computers, storage devices, printers, and other peripherals); computer software (operating systems, programming tools, utilities, applications, and internal software development); computer services (information technology consulting, computer and network systems integration, web hosting, data processing services, and other services); and communications services (voice and data communications services) and wired and wireless communications equipment. (Global Insight and World Information Technology and Services Alliance)

ICT goods exports and **imports** are goods that are intended to fulfill the function of information processing and communication by electronic means, including transmission and display, or that use electronic processing to detect, measure, or record physical phenomena or to control a physical process. They include telecommunications equipment, computer and related equipment, electronic components, audio and video equipment, and other goods. Re-exports (exports of foreign goods in the same state as previously imported) are included. (United Nations Statistics Division)

ICT service exports comprise communications services (telecommunications, business network services, teleconferencing, support services, and postal services) and computer and information services (database, data processing, software design and development, maintenance and repair, and news agency services). (International Monetary Fund)

International Internet bandwidth is the capacity that backbone operators provide to carry Internet traffic. (International Telecommunication Union and TeleGeography)

International voice traffic is the sum of international incoming and outgoing telephone traffic (in minutes). (International Telecommunication Union)

Internet subscribers are people who pay for access to the Internet (dialup, leased line, and fixed broadband), including people who access the socalled free Internet by telephone (which may incur a cost), those who pay in advance for a given amount of time (prepaid), and those who pay for a subscription (based on either a flat rate or volume per usage). (International Telecommunication Union)

Internet users are people who pay for Internet access (dialup, leased line, and fixed broadband) and people with access to the worldwide computer network who do not directly pay (for example, people who are a member of a household with access and people who access the Internet from work or school). (International Telecommunication Union)

Level of competition, international long distance service, is the level of competition for international long distance telephone calls (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union and World Bank)

Level of competition, Internet service, is the level of competition for retail Internet access service (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union and World Bank)

Level of competition, mobile telephone service, is the level of competition for digital cellular mobile services (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union and World Bank)

Mobile and fixed-line subscribers per employee are telephone subscribers (fixed line plus mobile) divided by the total number of telecommunications employees. (International Telecommunication Union)

Mobile cellular subscriptions are the number of subscriptions—including postpaid and prepaid subscriptions—to a public mobile telephone service using cellular technology that provides access to the public switched telephone network. (International Telecommunication Union)

Mobile telephone usage is the minutes of use per mobile user per month. (Wireless Intelligence)

Personal computers are self-contained computers designed to be used by a single individual. (International Telecommunication Union)

Population is based on the de facto definition of population, which counts all residents regardless of legal status or citizenship, except for refugees not permanently settled in the country of asylum, who are generally considered part of the population of their country of origin. Data are midyear estimates. (World Bank)

Population covered by mobile cellular network is the percentage of people who live within areas served by a mobile cellular signal regardless of whether they use it. (International Telecommunication Union)

Price basket for Internet service is calculated based on the cheapest available tariff for accessing the Internet 20 hours a month (10 hours peak and 10 hours off-peak). The basket excludes telephone line rental but includes telephone usage charges if applicable. Data are compiled in the national currency and converted to U.S. dollars using the average annual exchange rate. (International Telecommunication Union)

Price basket for mobile service is calculated based on the prepaid price for 25 calls per month spread over the same mobile network, other mobile networks, and mobile to fixed calls and during peak, off-peak, and weekend times. The basket also includes 30 text messages per month. (International Telecommunication Union)

Price basket for residential fixed line is calculated as one-fifth of the installation charge, the monthly subscription charge, and the cost of local

Glossary

calls (15 peak and 15 off-peak calls of three minutes each). (International Telecommunication Union and World Bank)

Price of call to United States is the cost of a three-minute, peak-rate, fixed-line call from the country to the United States. (International Telecommunication Union)

Secure Internet servers are the number of servers using encryption technology for Internet transactions. Data listed for 2007 are for December 2008. (Netcraft)

Separate telecommunications regulator indicates whether the country has a separate telecommunications regulator. (International Telecommunication Union)

Status of main fixed-line telephone operator indicates whether the incumbent fixed-line operator is a public or private entity. Public refers to a fully state-owned operator, private refers to a fully private operator, and mixed refers to a partially private operator. (International Telecommunication Union and World Bank)

Telecommunications revenue is revenue from the provision of telecommunications services such as fixed line, mobile, and data. (International Telecommunication Union)

Telecommunications investment is total telecommunications investment (capital expenditure) as a percentage of telecommunications revenue. (International Telecommunication Union)

Telephone lines are lines that connect a subscriber's terminal equipment to the public switched telephone network and that have a port on a telephone exchange. Integrated services digital network channels and fixed wireless subscribers are included. (International Telecommunication Union)

Urban population is the midyear population of areas defined as urban in each country and reported to the United Nations. (United Nations)





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