

**STRATEGIC POLICY STATEMENT**

IEC/TC or SC 1	Secretariat Spain	Date November 2003
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Please ensure this form is annexed to the Report to the Committee of Action if it has been prepared during a meeting, or sent to the Central Office promptly after its contents have been agreed by the committee.

Title of TC
Terminology

A. Background

- 1- Inside the International Electrotechnical Commission the work on terminology began in 1909, leading, in 1911, to the setting up of TC 1, its oldest established committee. TC 1 is an horizontal committee whose scope reads as follows:
"To sanction the terms and definitions used in the different electrotechnical fields and to determine the equivalence of the terms used in the different languages.
As a consequence, to prepare an International Electrotechnical Vocabulary aiming at the standardization and co-ordination of the terms relating to electrical sciences and techniques for use in the technical language and literature, in teaching, in technical specifications and in commercial exchanges, and at giving their equivalents in the different languages."
The IEV is subdivided into Parts. Up to now, some 80 Parts have been published, distributed in the following classes:
 - 1- General concepts
 - 2- Materials
 - 3- Measurement, regulation and calculation
 - 4- Electric equipment
 - 5- Electronic equipment
 - 6- Generation, transmission and distribution of energy
 - 7- Telecommunications
 - 8- Particular applications
- 2- TC 1 has the overall responsibility for preparing the IEV and forwarding the corresponding data, in their French and English versions, to IEC Central Office for publication. All other IEC technical committees must ensure that their own terms and definitions will not be in contradiction with those of the IEV.
As a rule, the preparation of an IEV Part is entrusted by TC 1 to a particular technical committee i.e. either one of the other "horizontal" committees or a product committee. In that case, the drafts are prepared by a Working Group of this technical committee in co-operation with TC 1 Secretariat, and (with the exception of the first CD) are circulated under the control of TC 1 and with a TC 1 number.
When the revision of one IEV Part is related to the work of several technical committees, its preparation is taken over by TC 1. In these cases, TC 1 does invite those other technical committees to join the Working Group which is entrusted with the preparatory work.
Whilst it is admitted that the terminology related to electrical safety is in the domain of TC/SCs holding a safety pilot function, it is the responsibility of TC 1 to take care of the consistency of the IEV in the case of conflicting concepts coming from those TC/SCs.
- 3- The working procedures of TC 1, in relation to its links with the other TCs and with IEC Central Office, are detailed in the document "ISO/IEC Directives, Supplement – Procedures specific to IEC, Annex I".
- 4- National committees status participation in TC 1 work: 20 P- members, 19 O- members (see Annex B).
- 5- Liaisons of TC 1:
 - with IEC TCs,
 - with other international organizations: ISO (TC 37, TC 85, TC 203) – BIPM
 - CIE – CIGRE – EBU – FID – ITU – UCPTE – UIC.

B. Environment
<p>B.1 Business environment</p> <p>The establishment of a comprehensive and consistent terminology is a prerequisite for the development of the standards by the Technical Committees, and for their understanding and implementation by the final users (e.g. standards writers, product designers, test laboratory engineers, technical translators, legal and regulatory authorities). The terminology work carried out by TC 1 is aimed at providing all other Technical Committees with such an overall terminology, meant to be directly applicable, and to which they can refer, when necessary, for their own specific terminology requirements.</p> <p>Hence the importance of close co-operation between TC 1 and the other Committees:</p> <ul style="list-style-type: none"> - some of the 89 IEC Technical Committees already carry out terminology work in liaison with TC 1 within the framework of the IEV, - in addition a number of Technical Committees prepare glossaries of terms and definitions for the purpose of their own publications, which they wish to include in the "terms and definitions" clause of their own standards or technical reports. These TCs must ensure that their documents remain in coherence with IEV terminology. These concepts, when they do appear in the IEV, should not diverge from the original term and definition of the IEV. <p>Terms and definitions of this kind may also contain concepts of general interest, which do not already appear in any Part of the IEV. The integration of these concepts in the IEV is of course desirable; their definitions however will not, as a rule, adhere to strict terminology rules, and their consistency with the overall IEV cannot thus be guaranteed: in that case a preliminary study of these concepts by TC 1 members is necessary.</p>
<p>B.2 Market demand</p> <p>Market demands are those of the general public, such as universities or users or translators of technical documents that may need precise reference in the matter of electrotechnical terminology. IEC Central Office and IEC/TC 1 will keep on jointly examining the best ways of promoting the IEV and improving the dissemination of its appropriate material (CD-ROM, on-line database etc.). In particular, IEC Central Office produces, in co-operation with TC 1, an annual CD-ROM edition of the IEC multilingual dictionary.</p>
<p>B.3 Trends in technology and trade</p> <p>TC 1 is conscious of a growing demand of the general public to gain access to the available reference on Internet. All the IEV terms are now available free of charge on the IEC website in both English, French and German languages, IEV definitions being available the same way for Parts 101 through 195 (fundamental Parts) in English and French languages.</p>
<p>B.4 Ecological environment</p> <p>None</p>
C. Work programme
<p>Current work</p> <p>The work programme can be carried out by various Working Groups and Maintenance Teams. The detailed programme is included in the "Programme of work" (document being updated and circulated by Central Office once a year). The maintenance cycle of published IEV Parts constitutes the basic calendar for initiating maintenance work of IEV Parts.</p>
<p>C.2 Resources/infrastructure needed</p>
<p>D. Future work</p> <ol style="list-style-type: none"> 1- In the near future, the effort of TC 1 will be mainly centered on the revision and/or maintenance of Parts whose maintenance review date is 2004 or prior to 2004, (see E). A JWG will be set up with experts of TC 1 and TC 37 to carry out the pilot project for the new database procedure. With the experience gained in this test, a report will be prepared explaining the methods of work that will be submitted to the SMB for approval. 2- Improvement of the co-operation with the other Technical Committees

- a) Technical Committees that do not carry out terminology work in co-operation with TC 1 within the framework of IEV shall be invited to participate in this work.

However the best attitude is to promote co-operation between TC 1 and the Technical Committees at the earliest stage of development of the terms and definitions within these TCs.

E. Maintenance cycle					
Publication no.	Date of publication	Review date	Maintenance result date	Responsibility Maintenance Team	Comments
IEC 60050-101 Ed.2 <i>Mathematics</i>	1998-04	2004	2008	TC 1/WG 100	Section 101-11 is replaced by IEC 60050-102. Sections 101-13 to 101-15 will be revised as IEC 60050-103
IEC 60050-102 <i>Mathematics – General concepts and linear algebra</i>	New Part		2006	TC 1/WG 100	CDV in preparation
IEC 60050-103 <i>Mathematics – Functions</i>	New Part		2008	TC 1/WG 100	Revision of sections 101-13 to 101-15 in IEC 60050-101.
IEC 60050-111 <i>Physics And Chemistry</i>	1996-07	2001	2004	TC 1/WG 100	Will be divided into 3 Parts (112, 113 and 114)
IEC 60050-111 A1 <i>Physics and Chemistry (Section 16: Time-related concepts)</i>	New	2001	2004	TC 1/WG 100	BPUB
IEC 60050-112 <i>Quantities and Units</i>	New Part		2006	TC 1/WG 100	NP to be prepared by WG 100 for revision of sections 111-11 and 111-12 in IEC 60050-111. The new VIM has to be taken into account.
IEC 60050-113 <i>Physics for electrotechnology</i>	New Part		2007	TC 1/WG 100	Revision of sections 111-13 and 111-14 in IEC 60050-111, 60050-111 A1 to be included.
IEC 60050-114 <i>Electro-chemistry</i>	New Part		2008	TC 1/WG 100	Revision of section 111-15 in IEC 60050-111.
IEC 60050-121 <i>Electromagnetism</i>	1998-08	2006	2009	TC 1/WG 100	To be revised jointly with preparation of ISO/IEC 80000-6.
IEC 60050-121 A1 <i>Electromagnetism</i>	2002-01	2006	2009	TC 1/WG 100	
IEC 60050-121 A2 <i>Electromagnetism</i>	New		2006	TC 1/WG 100	MCR and CD circulated to be withdrawn.
IEC 60050-131:2002 <i>Circuit theory</i>	2002-06	2006	2009	TC 1/WG 100	
IEC 60050-131 A1 <i>Circuit theory</i>		2004	2006	TC 1/WG 100	MCR and CD circulated to be withdrawn.

IEC 60050-141 <i>Polyphase systems and circuits</i>	New Part	2005	2008	TC 1/WG 100	Published 2004-08, replaces IEC 60050-131A: 1982.
IEC 60050-151 <i>Electrical and magnetic devices</i>	2001-07	2005	2008	TC 1/WG 100	Keep in present state.
IEC 60050-161 A1 A2 <i>Electromagnetic compatibility</i>	1990-08 1997 1998-04	2003	2007	TC 77 / CISPR/TC1	TC77 consulted. TC77/WG1(Terminology) without convenor since 2002.
IEC 60050-171 <i>Digital technologies</i>				TC 1/WG 100	New Work Item Proposal to be prepared
IEC 60050-191 A1 A2 <i>Dependability and quality of service</i>	1990-12 1999-03 2002-01	2002	2006	TC 1 / TC 56	56/851/MCR circulated CD in preparation.
IEC 60050-195 A1 <i>Earthing and protection against electric shock</i>	1998-08 2001-01	2007	2010	TC 1 / WG 64-1	
IEC 60050-212 <i>Insulating solids, liquids and gases</i>	1990-10	2001	2005	TC 10 / TC 15/TC1	TC 10 & 15 consulted. JMT created for maintenance IEC 212. Distribution of work: 60% for TC15 and 40% for TC10 Item to be discussed on next TC15 meeting 2004-06
IEC 60050-221 A3 Magnetic materials and components	1990-10	2004	2007	TC 51 / TC 68/TC1	CDV circulated
IEC 60050-31X	2001-07	2009	2013	TC 1/WG 300	
IEC 60050-321 <i>Instrument transformers</i>	1986	2001	2004	TC 1 / TC 38	MCR in preparation (work will start at the beginning of 2005, to take as a base the revision of 44-1 and common clauses on instrument transformers)
IEC 60050-351 <i>Automatic control</i>	1998-09	2007	2011	TC 65 / WG 1/TC1	TC65 started revising this Part before the review date.FDIS in preparation
IEC 60050-371 A1 <i>Telecontrol</i>	1984 1997-09	2001	2005	TC 1 / TC 57	57/560/MCR circulated
IEC 60050-393 Ed.1 A1 <i>Nuclear instrumentation - Physical phenomena and basic concepts</i>	1996-10 2000-08 2003	2005	2008	TC 45/WG 1/TC1	
IEC 60050-394 A1	1995-10 1996-04	2001	2004	TC 45-WG 1/TC1	CDV circulated

A2 <i>Nuclear instrumentation: Instruments</i>	2000-07				
IEC 60050-411 <i>Rotating machinery</i>	1996-06	2004	2008	TC 2 / TC 1	2/1302/DC circulated
IEC 60050-415 <i>Wind turbine generator systems</i>	1999-04	2007	2011	TC 88 / TC 1	
IEC 60050-421 <i>Power transformers and reactors</i>	1999-04	2007	2011	TC 14 / TC 1	
IEC 60050-426 <i>Electrical apparatus for explosive atmospheres</i>	1990-10	2001	2005	TC 31 / TC 1	31/517/MCR circulated. CD in preparation
IEC 60050-431 <i>Transducers</i>	1980	2004	2007	TC 22 / TC 1	31/517/MCR circulated. CD in preparation
IEC 60050-436 <i>Power capacitors</i>	1990-09	2002	2006	TC 9 / TC 1	TC 9 consulted. And TC 33 consulted. No reply.
IEC 60050-441 A1 <i>Switchgear, controlgear and fuses</i>	1984-08 2000-07	2007	2011	TC 1 / TC 32	
IEC 60050-442 <i>Electrical accessories</i>	1998-11	2006	2010	TC 23/TC1	
IEC 60050-447 (446) <i>Measuring relays</i>	2002	2010 unpublished	2013	TC 1/WG 446 SG1 SG2 SG3	Under revision TC 95 PWI (1CD) BPUB IEV 444&445
IEC 60050-448 Ed.2 <i>Power system protection</i>	1995-12	2004	2008	TC 1 / TC 95	TC 95 consulted. No reply.
IEC 60050-456 <i>Surge arresters</i>	New Part		200X	TC 37 TC 1	PAS published
IEC 60050-461 A1 A2 <i>Electric cables</i>	1984 1993-09 1999-04	2002	2006	TC 1 / TC 20	20/725/CD circulated
IEC 60050-466 <i>Overhead lines</i>	1990-10	2003	2006	TC 1/ TC 11	TC11 consulted Searching for experts for MT
IEC 60050-471 <i>Insulators</i>	1984	2001	2005	TC 1 / TC 36	36/218/CD circulated
IEC 60050-482 <i>Primary and secondary cells and batteries</i>	2004-04	2009	2013	TC1/TC21A	
IEC 60050-521 <i>Semiconductor devices and integrated circuits</i>	1984-01 2002	2009	2013	TC47- WG1/TC1	
IEC 60050-531 <i>Electronic tubes</i>	1974	2001	2005	TC 1 / TC 39	TC39 proposed TC 1 to update Part 531 with the trms and definitions included in the recently published IEC 60139 and 61695.

IEC 60050-541 <i>Printed circuits</i>	1990-10	2003	2006	TC 1 / TC 52	TC 52 disbanded. TC91 consulted. No reply.
IEC 60050-551 <i>Power electronics</i>	1998-11	2007	2011	TC 1 / TC 22	
IEC 60050-561 A1 A2 <i>Piezoelectric devices for frequency control & selection</i>	1991-11 1995-05 1997-06	2003	2007	TC 1 / TC 49	TC49 consulted. TC49/WG 8 "Terminology" in need of a French speaking expert. TC49 preparing an internal glossary (IEC 61994-1,2,3,4-1,4-2) Revision of 561 to be discussed at next TC 49 meeting (June 2005)
IEC 60050-581 A1 <i>Electromechanical components for electronic equipment</i>	1978 1998-04	2004	2008	TC 1 / TC 48	TC 48 consulted. No reply.
(Old 601-605) IEC 60050-611 A1 <i>Electric Power Supply - General</i> IEC 60050-612 <i>Electric Power Supply - Generation</i> IEC 60050-613 A1 <i>Electric Power Supply - Substations</i> IEC 60050-614 A1 <i>Electric Power Supply – Power system planning and operation</i> IEC 60050-615 <i>Electric Power Supply – Quality of supply in power systems</i> IEC 60050-616 <i>Electric Power Supply – Insulation coordination and overvoltages</i>	New part New part New part New part New part New part		2005 2005 2005 2005 2005	MT 60X/TC8	Under revision IEV parts to replace 601-605 CDs in preparation
IEC 60050-617 <i>Electric Power Supply – Organisation and market of electricity supply.</i>	New part		2005	TC8-WG 1/TC 1	8/1189/DC circulated CD in preparation
IEC 60050-651 <i>Live working</i>	1999-07	2007	2011	TC 1 / TC 78	

IEC 60050-691 <i>Tariffs for electricity</i>	1973	2002	2005	TC 13/TC1	TC13 & TC8 consulted. No reply.
IEC 60050-701 <i>Telecommunication channels and networks</i>	1988	2001	2005	ITU / TC 86 /TC 1	TC 86 consulted.
IEC 60050-702 <i>Oscillations, signals and related devices</i>	1992-03	2002	2006	ITU / TC 86 /TC 1	TC 86 consulted.
IEC 60050-704 <i>Transmission</i>	1993-08	2004	2008	ITU / TC 86 /TC 1	
IEC 60050-705 <i>Radio wave propagation</i>	1995-09	2005	2009	ITU / TC 86 /TC 1	
IEC 60050-712 <i>Antennas</i>	1992-04	2003	2007	ITU / TC 86 /TC 1	TC 86 consulted. 103 and TC 80 consulted.
IEC 60050-713 <i>Radiocommunications: Transmitters, receivers, networks and operation</i>	1998-04	2006	2010	ITU / TC 86 /TC 1	
IEC 60050-714 <i>Switching and signalling in telecommunication</i>	1992-04	2003	2007	ITU / TC 86 /TC 1	TC 86 consulted.
IEC 60050-715 <i>Telecommunication networks, teletraffic and operation</i>	1996-12	2006	2010	ITU / TC 86 /TC 1	
IEC 60050-716-1 <i>Integrated services digital network (ISDN) –Part 1: General aspects</i>	1996-12	2007	2010	ITU / TC 86 /TC 1	
IEC 60050-721 <i>Telegraphy facsimile and data communication</i>	1991-11	2003	2006	ITU / TC 86 /TC 1	TC 86 consulted.
IEC 60050-722 <i>Telephony</i>	1993-11	2004	2007	ITU / TC 86 /TC 1	
IEC 60050-723 A1 <i>Broadcasting: Sound, television, data</i>	1997-08 1999-05	2007	2010	ITU / TC 86 /TC 1	
IEC 60050-725 <i>Space radiocommunications</i>	1994-08	2005	2008	ITU / TC 86 /TC 1	
IEC 60050-726 <i>Transmission lines and waveguides</i>	1982	2001	2005	ITU / TC 86 /TC 1	TC 86 consulted. TC 46 consulted.
IEC 60050-731 <i>Optical fibre communication</i>	1991-10	2003	2006	(ITU?) / TC 86 /TC 1	TC 86 consulted. A basis for the revision could be IEC 61931.
IEC 60050-788 <i>Medical radiology</i>	1984	2002	2005	TC 62 /TC 1	Adaptation of IEC 60788 into an IEC Part.

IEC 60050-801 <i>Acoustics and electroacoustics</i>	1994-07	2004	2007	TC 1 / TC 29	Scope of TC 29 reduced since publication of 801. Need to create an MT including other TCs involved
IEC 60050-806 A1 <i>Recording and reproduction of audio and video</i>	1996-12 2001-01	2010	2013	TC 1 / TC 100	
IEC 60050-807 <i>Digital recording of audio and video signals</i>	1998-04	2008	2011	TC 1 / TC 100	
IEC 60050-808 <i>Video cameras for non-broadcasting</i>	2002-07	2010	2013	TC 1 / TC 100	
IEC 60050-811 <i>Electric traction</i>	1991-09	2003	2006	TC 1 / TC 9	TC 9 consulted. No reply.
IEC 60050-815 <i>Superconductivity</i>	2000-11	2005	2009	TC 1 / TC 90	
IEC 60050-821 <i>Signalling and security apparatus for railways</i>	1998-04	2008	2011	TC 1/TC 9	
IEC 60050-826 A1 A2 A3 <i>Electrical installations of buildings</i>	1982- 1990-07 1995-04 1999-04	2007	2011	TC 64-WG1/ TC 1	
IEC 60050-841 <i>Industrial electroheating</i>	1983	2010	2013	TC 1/TC 27	
IEC 60050-845 <i>Lighting</i>	1987	2001	2005	CIE / TC 34/TC 1	TC34 and CIE consulted.
IEC 60050-851 <i>Electric welding</i>	1991-07	2002	2006	CIE / TC 26	26/271/MCR CD in preparation
IEC 60050-881 <i>Radiology</i>	1983	2001	2005	TC 45 / TC 62 /TC1	TC 45 and TC 62 consulted. MT to be set up formed by experts of TC 45 & TC 62
IEC 60050-891 Ed.1 <i>Electrobiology</i>	1998-02	2002	2005	TC 62	TC 62 consulted No reply

Name or signature of the secretary
Virginia PALOMAR

Annex B

List of IEC/TC 1 P- and O- members

As of 2005-01-19

Country	Status
AUSTRALIA (AU)	P
AUSTRIA (AT)	O
BELGIUM (BE)	O
BULGARIA (BG)	O
CHINA (CN)	P
CROATIA (HR)	O
CZECH REPUBLIC (CZ)	P
DENMARK (DK)	O
EGYPT (EG)	P
FINLAND (FI)	P
FRANCE (FR)	P
GERMANY (DE)	P
GREECE (GR)	O
HUNGARY (HU)	O
INDIA (IN)	O
IRELAND (IE)	O
ISRAEL (IL)	O
ITALY (IT)	P
JAPAN (JP)	P
KOREA (REPUBLIC OF) (KR)	O
MALAYSIA (MY)	O
MEXICO (MX)	P
NORWAY (NO)	O
POLAND (PL)	P
PORTUGAL (PT)	P
ROMANIA (RO)	P
RUSSIAN FEDERATION (RU)	P
SERBIA AND MONTENEGRO (CS)	O
SINGAPORE (SG)	O
SLOVAKIA (SK)	O
SLOVENIA (SI)	O
SOUTH AFRICA (ZA)	O
SPAIN (ES)	P
SWEDEN (SE)	P
SWITZERLAND (CH)	P
TURKEY (TR)	O
UKRAINE (UA)	P
UNITED KINGDOM (GB)	P
UNITED STATES OF AMERICA (US)	P

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