

CANDIDATE CITY FOR THE
WINTER YOUTH OLYMPIC GAMES
LILLEHAMMER 2016

Photo: Roger Brendhagen



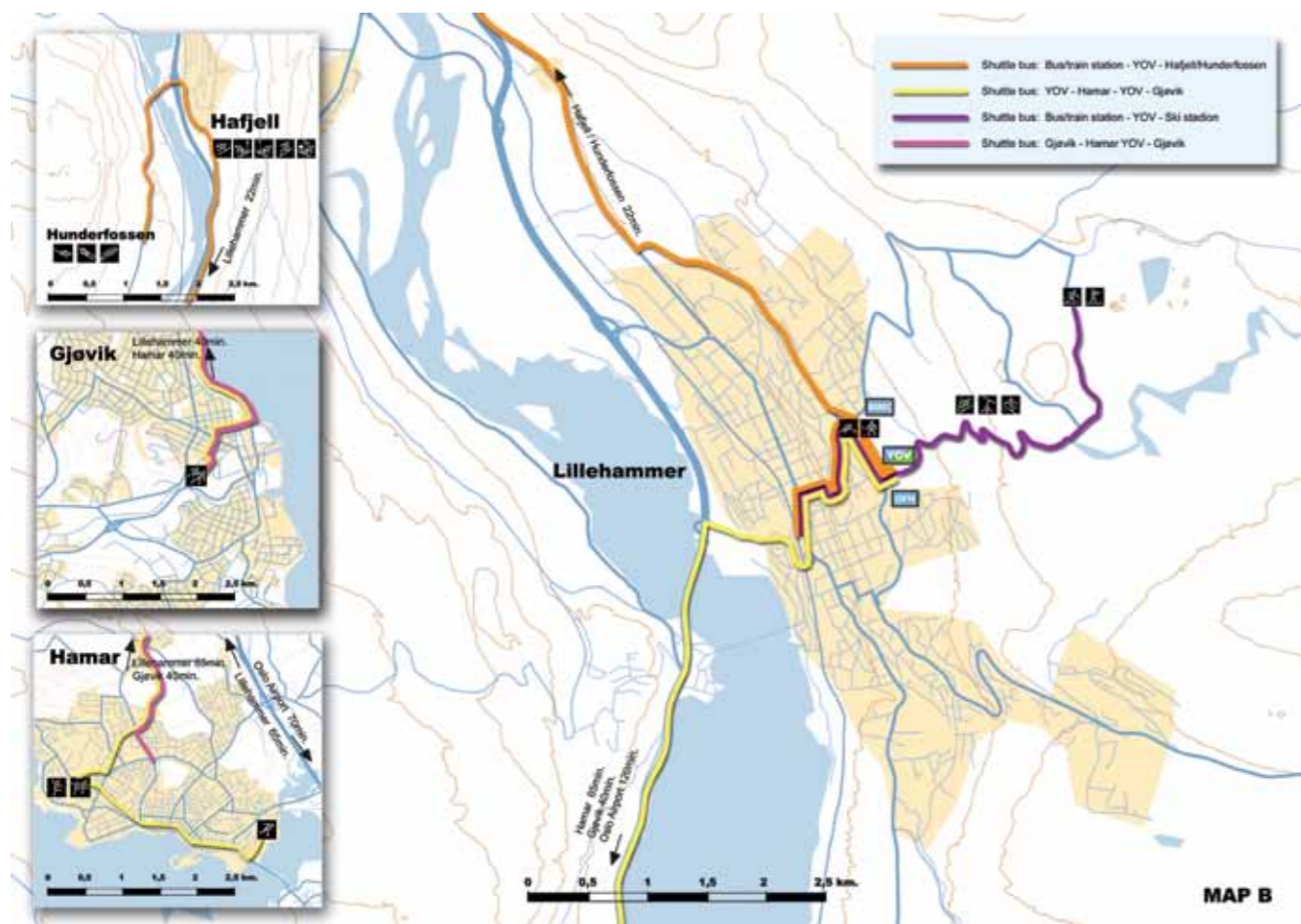
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YOUTH OLYMPIC VILLAGE

9.1 CONCEPT

The Youth Olympic Village Lillehammer will be centrally located in Lillehammer, and placed together with many of the facilities that already exist from the XVII Winter Olympics in 1994. Except from the athletes participating in the skating disciplines, all athletes and officials will be accommodated in YOY Lillehammer. The skating athletes will be accommodated in YOY Hamar.

It is only 600 meters from the YOY Lillehammer to the town center – and also walking distance to the vast majority of the Olympic venues.

For all athletes, also those who are accommodated in YOY Hamar, the majority of the program outside the sports venues will take place in Lillehammer. Transportation of the athletes between Lillehammer and Hamar will be organized (ref. chapter 13).

In center of Lillehammer there are still a number of wooden houses that are culturally protected – these provide the backdrop for a charming visit to a variety of shops – and since there are a number of museums and galleries in the neighborhood, a shopping stroll can easily be combined with a cultural visit.

The area suggested for the Youth Olympic Village is a prime location that is the best Lillehammer has to offer in relation to culture, Olympic history, accessibility, distance to the town center, public transport, climate, view, accessibility to open-air areas and Olympic facilities for young participants. In addition, the YOG 2016 compact games concept means that there will be minimal impact on the environment, since either walking or special transportation (bus etc.) will be used.

The placement of the Youth Olympic Village is thus chosen specially with the thought of being able to offer young athletes modern and safe accommodation units that are near most of the venues as well as close to downtown. The short distance to the venues will allow participants to be spectators in events where they are not competing, and this will provide the basis for a higher level of socializing and cultural integration during the time that the athletes are here in Norway.

The YOGOC has the ambition that all participants at the Youth Olympic Games – whether they are athletes, spectators, volunteers or participants in the culture program – will have the opportunity to make lifelong friendships and bond with youth of other nationalities and cultures.

The Youth Olympic Village will be an important cultural “venue of learning” for young athletes and leaders. Coordination and cooperation between various technological sectors will contribute to create a dynamic and exciting Youth Olympic Village through the use of new technology, where the digital venue of learning will be in focus.

Håkons Hall, which will be used as the main food service venue, will also be used to stage workshops, cultural meetings and discussions and as an important digital venue of learning for both athletes and their leaders.

The Youth Olympic Village will be built as an integrated part of the living facilities and sports venues on Stampsletta. Planning for the Youth Olympic Village has taken into account the need for 1,500 athletes and leaders, and at the same time includes a reserve capacity to take in account the need to separate male/female athletes as well as competing nations.

YOUTH OLYMPIC VILLAGE

Lillehammer Municipality has estimated that the demand for living facilities that are tailored to athletes needs will grow over the next four years. In 2008, approximately 30 % of all winter sport national athletes, both junior and senior level, lived in Lillehammer. The Lillehammer Region has set as a goal to achieve a growth of 25 % by 2012 as compared to today.

Concerning the new living quarters that are planned to be created for the YOG 2016, it is estimated that 100 % of these units will be in use after the YOG, and additional estimates show that the estimated number of living units will be less than the need in the future – in other words, even with the new living quarters to be built in conjunction with the YOG 2016, there will still be a shortage.

The Youth Olympic Village will contain all facilities that are considered standard for student accommodation, including wireless net capabilities, closet space, small storage area, etc. There will be placed a special emphasis on environmental quality both indoors and outdoors, there will be modern environmentally-friendly solutions in regards to waste disposal and sanitation – becoming a part of Lillehammer’s already advanced municipal public works.

The size of the Youth Olympic Village will be 60 000 square meters in total, and will be divided into five sectors.

Please see the photo file with drawings and photographs of the proposed Youth Olympic Village areas.

One prime goal for Lillehammer is to continue to contribute to an increase in environmental effectiveness to achieve a higher level of sustainability with less impact on the environment. Lillehammer has the goal – and the plans to back it up – to create a Youth Olympic Village that will set a modern environmental and energy-friendly example regarding sports facilities and buildings, and continue to be an action leader regarding climate and environmental solutions in the region. Concerning the YOG 2016 as a whole, environmental perspective will be built into all phases from planning to staging to activities undertaken post-event.

The Youth Olympic Village is an integrated part of the Olympic venues, and will be connected with walking paths and local roads of the highest standard. Those who live in the Youth Olympic Village will have access to a full service special transport system for personnel with logistic needs or related to transport of special equipment. Temporary parking is planned for a large number of vehicles outside the fenced perimeter of the Youth Olympic Village. In addition, there will be bus terminals along Sigrid Undsets Road only a few hundred meters away from the Youth Olympic Village.

9.1.1 OLYMPIC LEGACY - HERITAGE AFTER THE YOG 2016

The Youth Olympic Village for the YOG 2016 will have a total capacity of 1800 beds (1440 beds in newly constructed student living quarters and 360 beds in the already existing Birkebeineren Hotel and Apartments).

After the Youth Olympic Games in 2016, the Youth Olympic Village will be used as student living quarters for SOPP, Student Welfare Organization in the county of Oppland at HiL – the University College of Lillehammer with a capacity of approximately 300 beds. Additional uses will include an Internat for students at the Norwegian College of Elite Sport (NTG/LOBB with approximately 60 beds) as well as at the Birkebeineren Hotel & Apartments with a total of 48 hotel rooms, 13 motel rooms and 40 apartments (a total of 360 beds). In total the area will have a total accommodation capacity of 720 beds after 2016.

The Birkebeineren Hotel & Apartments will be an active business within the tourism industry after 2016 – just as it is at the present time. SOPP's student housing will be used as normal student housing units. The same goes for the Norwegian College of Elite Sport Internat capacity. This means that these student accommodation units will always be rented out during the school year each August to June.

In the summer all available capacity will be made available as short term rental objects, for example to young athletes who wish to use the sports facilities and opportunities that the Lillehammer region has to offer (including summer ski jump at Lysgårdsbakken, the roller ski venue at the Birkebeiner Stadium, summer school courses offered at HiL, etc.).

During the winter part of the year, during the school term, large portions of the student housing unit capacity will be used by active student athletes, whether they are students enrolled in Sports Education at NTG or as athletes studying other available course majors at the school. In the future, more and more courses at HiL will be taught in the English language, which will open to the possibility that more students from foreign sports nations large and small can come to Lillehammer and study at the same time as they will be able to make active use of the sports facilities here. This target group is an excellent example of a group that would live in student housing at the Youth Olympic Village.

As the case is today, the Birkebeiner Hotel & Apartments will have a variety of offers available for groups who wish to have training activities in the Lillehammer area – both during the summer as well as during the winter months.

Distances from the Youth Olympic Village:

- Kristins Hall (ice hockey and curling): 200 meters
- Håkons Hall Youth Olympic Village Service: 200 meters
- Centre/Dining area (food service and social activities): 200 meters
- Lysgårdsbakkene Ski Jump Venue: 1,000 meter
- Birkebeineren Ski Stadium (biathlon and cross country): 3,500 meter
- Kanthaugen Freestyle Venue (freestyle and skicross/bordercross): 1,000 meter
- Lillehammer Olympic Bobsleigh and Luge Track: 20 kilometers
- Hafjell (alpine events): 18 kilometers
- Viking Ship Hamar (figure skating and speed skating): 66,0 kilometers
- Gjøvik Olympic Hall (short track): 50 kilometers
- IOC – Olympic Family Hotel (SAS Radisson Lillehammer Hotel): 200 meters
- Main Media Centre (MMC) 400 meters
- Lillehammer town center 600 meters

Athletes will not be permitted to bring weapons into the Youth Olympic Village. A special storage facility for weapons will be established at the Birkebeiner Ski Stadium, where the biathlon events will be staged.

9.1.2 YOUTH OLYMPIC VILLAGE HAMAR (YOY HAMAR)

YOY Hamar (Hotel Scandic Hamar) is centrally located in Hamar, between Hamar Olympic Hall (the speed skating venue) and Hamar Olympic Amphitheatre (the figure skating venue). The hotel is described as the best hotel in Hamar.

The hotel has 239 rooms on 8 floors (see attached drawing of floors 3 – 8), The entire hotel, with several meeting rooms, canteen, sauna etc., has been reserved for YOY Hamar during the YOG.

- YOY Lillehammer: 62 kilometers
- Gjøvik Olympic Hall (Short track): 50 kilometers

YOUTH OLYMPIC VILLAGE

9.2 CONSTRUCTION OF THE YOUTH OLYMPIC VILLAGE

As mentioned earlier, the Lillehammer region has the ambition to continue to develop the region to one of the leading winter sports destinations in Europe. One of several areas of focus is to develop the region to continue to become the living location of choice for those within sport and culture.

In addition, a memorandum of understanding between Lillehammer Municipality and the Student Welfare Organization in the county of Oppland (SOPP) has been signed regarding the building of student housing.

SOPP as of today manages a large number of student apartments in central Lillehammer, and plans to establish more living units that can be used as student living quarters both before and after the YOG 2016. Student housing modified for athlete use centrally located in the Lillehammer Olympic Park are especially in demand and is seen as advantageous for all parties involved.

Lillehammer Municipality and SOPP have the intention to establish 300 new student housing units, each with a size up to 25 m², in the period leading up to 2016. This new capacity can be used for 1,200 athletes during the YOG 2016. These units are planned established on the land south of Stapesletta as shown on the map in the photo file. As a part of the planning related to the construction of these housing units, it has been agreed that after the YOG 2016 that these housing units will be converted to student units again.

SOPP's main activity is student housing; the building and the running of student dormitories. SOPP owns seven dormitories in Lillehammer

and four in Gjøvik and offers more than 1,300 accommodation units (1,400 beds). The accommodation facilities range from student villages to smaller housing units.

SOPP provides adequate services and welfare for the students at Lillehammer and Gjøvik University Colleges, including housing, food services, book stores, day care center, health care and counseling. SOPP's main office is located in Lillehammer. SOPP is a foundation established by the Norwegian Government, and is based on "The Studentsamskipnad Act" of December 14th 2007 # 116. SOPP's activities dates back to 1972 and the first dormitories were constructed in 1974.

SOPP has experience from the 1994 Winter Olympics. At that time, SOPP according to an agreement with LOOC (Lillehammer Olympic Organizing Committee), constructed more than 600 rooms that were primarily used as accommodation for the media.

In 2008 SOPP completed construction of the Smestadmoen Student Village, which consists of 156 residential units (168 beds). This student village consists of four three story wooden buildings. The units are constructed from pre-fabricated elements. Two of the units have an elevator. All apartments have a private bathroom and kitchen, cable TV and Internet access. Laundry room facilities are located in a separate building. The village is constructed highly cost efficient and has a focus on environmentally friendly energy solutions and resources used in the lifecycle of the building.

SOPP has a staff with the necessary know-how and expertise to plan, project and construct student housing as a part of the Youth Olympic Village.

YOUTH OLYMPIC VILLAGE

In addition to the Memorandum of Understanding with SOPP, an agreement has been signed with the Lillehammer and Omegn Boligbyggelag (Lillehammer Cooperative Housing Association), also known as LOBB.

The parties have agreed to construct 60 new living units, each individual unit with a size up to 25 m², during the period up to 2016 – units that can house 240 athletes. These living units will be established on the same land south of Stapesletta as the SOPP units. *Please see the attached map for details.* As a part of the development of the plans for the living units, it was agreed that this part of the Youth Olympic Village will be converted back to 60 living units after the YOG 2016 for use by young people in their establishment phase or for student apartments for young athletes who live and train in Lillehammer.

LOBB was established in 1946, and as of today manages approximately 3,000 living units for 108 housing societies with a total of approximately 5,000 members. A major part of these units are built by LOBB. LOBB is a cooperative entity with major experience from construction projects during the past 60 years in the Lillehammer region.

The company possesses competence in construction work. They have engineers who have been project managers for several major construction works and they have management competence through their department responsible for the 3,000 properties under their administration and management. Furthermore they have their own estate agency, which possesses the competence necessary in the sale/renting market.

LOBB has had experience in constructing housing units since 1946. One good example of LOBB's activities has been the construction of the Athletes Village in Skårsethlia for the 1994 Winter Olympics, where 41 living units were built. In competition with the Vikingship at Hamar, the project was rewarded with the national award for building tradition. Another one of their major projects is at Smestadmoen, where LOBB has constructed 10 blocks of flats and 19 terrace houses. All together LOBB has been responsible for the construction of 212 living units during the period from 2002 – 2010.

SOPP and LOBB plan a close cooperative effort in relation to all activities described in this document, and have the goal to build the next generation of energy and environmentally friendly student housing incorporating the elements of Universal Design (Inclusive Design) in relation to the YOG 2016. The combination of location in relation to the sun, construction requiring low energy consumption, and technology that minimizes such consumption as well as district heating combine to make this possible.

Most likely, the housing units built by SOPP and LOBB will be built using modern prefabricated modules. These buildings will be built flexible. Modular building systems have become common in Norway over the last years. There will be environment friendly solutions in regards to energy, waste disposal and sanitation. Environmental perspective will be built into all phases of the planning process. The buildings will become an integrated part of the Municipality of Lillehammer's system regarding waste disposal, sanitation etc.

9.3 VENUE OWNER GUARANTEE

Please refer to the Guarantees File, 9.3.

9.4 PHOTOGRAPHIC FILE

9.4.1 ZONE DIVISION: YOUTH OLYMPIC VILLAGE

Please refer to the Photographic File.

Operational Zone

The Operational Zone covers the entire Stampesletta Sports Park area, this will include the Ceremony Venues. On the days of the event during the YOG 2016, during the period between the Opening and Closing Ceremonies, this area will be used for other activities.

Youth Olympic Village Square (YOVS)

This portion of the Youth Olympic Village encompasses portions of Håkons Hall as well as the relevant associated outside areas. The YOVS will be accessible from both the Residential Zone as well as the Operational Zone.

Residential Zone (RZ)

The Residential Zone comprises the largest portion of Stampesletta Sports Park, and it is here that the accommodation facilities and Håkons Hall account for the most important elements. Within the RZ, there will be also plentiful outdoor areas for fresh air activities and play.

9.5 LIVING SPACE M2 (WALL TO WALL) DOUBLE AND TRIPLE ROOMS

Please refer to the Photographic File.



TABLE 9.6 YOVS LILLEHAMMER

NUMBER OF ROOMS AND BEDS (SINGLE, DOUBLE, TRIPLE AND QUADRUPLE)

	Number of rooms	Number of beds	Comments
Single rooms	2	2	Birkebeineren Hotel
Double rooms	149	298	Incl. 120 rooms in apartments at the Birkebeineren Hotel
Triple rooms	20	60	Birkebeineren Hotel
Four men rooms	360	1440	New Construction
Totals:	531	1800	

TABLE 9.6.1 YOVS HAMAR

NUMBER OF ROOMS AND BEDS (SINGLE, DOUBLE, TRIPLE AND QUADRUPLE)

	Room size	Number of rooms	Comments
Single bed	16	5	Scandic Hotel Hamar
Doublebed Queen Size bed	17,7	7	Scandic Hotel Hamar
Twin bed	16	213	Scandic Hotel Hamar
Twin bed HC	19,3	14	Scandic Hotel Hamar
Totals:		239	

9.7 YOUTH OLYMPIC VILLAGE DINING AREA

Food service for the athletes will be organized in Håkons Hall, and will be divided into two sections with areas of 1,000 m² and 1,500 m² respectively. At the current time, Håkons Hall is often used in conjunction with major events. Lillehammer Olympia Park is the owner of the venue, an organization that has accrued a high level of expertise related to catering of large groups and events of up to 2,000 participants. Håkons Hall will be available as the cafeteria for athletes and their trainers during the period from four days before the Opening Ceremony until two days after the

Closing. The opening hours will be from 06:00 (6 a.m.) until 24:00 (midnight) each day. For those accommodated in YOVS Hamar, there will be a dining area in the hotel. The menu will be the same as in YOVS Lillehammer.”

As with all other facilities and venues, Håkons Hall will be equipped with wireless Internet capabilities. This will provide the athletes with the possibility to connect to the Internet in Håkons Hall as well. Other cell phones with WiFi capabilities, or portable PCs will be able to connect to the network. This will provide

athletes and leaders with the possibility to surf the Internet, update their web pages and otherwise communicate with their family in their home countries.

YOGOC will provide an extensive food service program that will provide many different types of food in order to best serve their international clientele – the athletes and leaders.

9.8 ADDITIONAL COMMON FUNCTIONS IN THE YOY

The YOY will contain all the common functions as described in the IOC Event Manual. With the exception of only a few of the functions (Laundromat facilities, some warehouse space and the Volunteer Center), the vast majority will be localized in the direct vicinity of Håkons Hall. The total floor space of the hall is 23 000 m², and of that total area spectator tribunes occupy approximately 50 % of the floor space. The area in Håkons Hall will be divided in two, the largest portion being in the Residential Zone, and the smaller portion being the Youth Olympic Village Square.

Please see the accompanying floor plan drawing describing the YOY area.

9.9 INTERNET & SOCIAL MEDIA

Modern Social Media comprises a major part of the way that youth of today communicate, receive information and news, and interact in general with each other and the external environment – in many cases many times each day. The YOG 2016 will reflect this communication trend in laying the basis for athletes, spectators and those following the event globally to communicate with each other and be part of the event through elements of youth-oriented Social Media that include Facebook, MySpace, Twitter and other channels.

Athletes, leaders and the media will have free use of the wireless WiFi broadband network that will be available in the Youth Olympic Village as well as all venues and primary facilities.

An Internet Center will be located in the Youth Olympic Village, and together with IT Help Desks in all venues will enable athletes to receive assistance – whether they are beginners or advanced users of IT technology. Access to the Internet and related help services will be available literally anywhere where the athletes and leaders need assistance, and personal portable PCs and other WiFi products used by athletes and their leaders will be able to access these networks.

MEDICAL SERVICES AND DOPING CONTROL

10.1 MEDICAL PRACTICE AND LEGISLATION IN NORWAY

Norway has a highly professional national system that covers public health services. This framework related to health follows the directives concerning health and health services within the European Union. The Norwegian National Health Service issues credentials and licenses for physicians, allowing them to practice medicine, also issuing licensing for specialists and others working within the health system (nurses, laboratory assistants, radiographers, public health workers etc.). The organization of public health services is regulated by a series of health service laws, laws that ensure consistency and transparency of health-related practices and services in this country. The organization of health services in Norway is considered to be of very high standard.

10.2 THE HEALTH CARE SYSTEM IN THE LILLEHAMMER CITY AND REGION

Municipal medical physicians on call are located together with emergency services at the four major somatic hospitals in the region: Lillehammer, Gjøvik, Hamar and Elverum. These individual hospitals make up the "Sykehuset Innland" – with 24 hour service within the following areas of medicine at each of their somatic hospitals:

- emergency care/ intensive care
- internal medicine
- surgery with special expertise within gastrointestinal surgery, urology and vascular surgery
- orthopedic surgery
- gynecology and pre-natal and natal care

- children's sickness and disease
- eye sickness
- ear, nose and throat sicknesses
- medicinal biochemistry
- radiology

Innlandet Hospital Trust has the pre-hospital responsibility that encompasses acute medicine emergency services (AMK), with operative ambulances stationed at each hospital. In addition, there is a continuous 24-hour psychological service at the hospitals of psychiatry at Sanderud and Reinsvoll. There is an ambulance helicopter with physician service stationed in Dombås. Sykehuset Innland has an electronic patient journal system with continuous open communication with each of its four hospitals (Lillehammer, Hamar, Gjøvik and Elverum), complete with an integration of the integrated laboratory and X-ray system. Medical services and doping control.

MEDICAL SERVICES AND DOPING CONTROL

10.3 HEALTHCARE FOR ALL IN NORWAY

Norway has a full care health system with a social system that covers the vast majority of the costs related to health care. There is also an arrangement for foreigners visiting Norway. In Norway, approximately 97 % of all costs related to health care are covered by taxes on the local and national level. Different patient fees cover the remaining 3 % of the total. The health insurance system covers some of the expenses incurred by patients as a result of prescriptions, as well as expenses for patient expenses for private health services.

During the entire period of the YOG 2016, the Olympic Family will be covered by special health insurance. In addition to the public health services that the national government and the local authorities offer, additional health services can be purchased from private physicians, clinics and hospitals for a price that equals the actual cost for the service.

10.4 EMERGENCY SERVICES

During the entire YOG period there will be first aid services, patient transportation and emergency services available at the YOG hotels, Youth Olympic Village, MMC and all venues. The purpose of these services will be to supplement the existing emergency help and rescue services. Health services during the YOG will cover all needs for IOC representatives and athletes as well as spectators, staff and volunteers, etc.

10.5 YOG - FIRST AID AND EMERGENCY SERVICES

First Aid, transportation and contingency plans Medicinal emergency assistance, patient

transport and acute treatment during the YOG will be integrated in the existing system.

Pre-hospital services and hospital based health services will be undertaken according to the most modern guidelines and routines. There will be a close cooperative partnership with the Norwegian Air Ambulance and other emergency services. Current plans for evacuation routines and assistance in case of a natural catastrophe in Norway will also be followed during the YOG 2016, in relations to command, responsibility and control of the situation. In addition to this professional and coordinated apparatus, YOG health personnel as well as visiting country medical resources will be available for assistance.

All sports venues to be used in the staging of the YOG 2016 are highly secured in relation to natural effects. It is important to note that the YOG 2016 area is not located in a region vulnerable to earthquakes, volcanic activity and other natural catastrophes. Risk analysis shows that the greatest risks are those caused by human activities, for example; automobile accidents, fires, etc. This risk analysis is conducted twice yearly by the national and regional authorities, and rescue plans are implemented through extensive rescue training.

Local fire and rescue authorities have the authority for rescue plans in peacetime, with the guidelines for situations of unusual circumstances being developed by the Civil Defense. In the case of an occurrence, assistance is provided by the police, health authorities, welfare authorities, and environmental services as well as from other non-governmental organizations will take part in the implementation of these plans. These guidelines are developed in cooperation with (for example), the Norwegian Air Ambulance, Norwegian Red Cross, the Norwegian Armed Forces, Norwegian Civil Defense and other organizations. As required, these organizations will take part in the implementation of these plans.

MEDICAL SERVICES AND DOPING CONTROL

TABLE 10.6

HOSPITALS						
Hospital name All hospitals organized within or in cooperation with Innlandet Hospital Trust	Distance from Olympic Village (km)	Number of beds	List of departments by speciality			Heavy equipment
Lillehammer hospital	500 m	199	<ul style="list-style-type: none"> Emergency medicine with intensive care and anesthesia Pediatrics with intensive care unit for newborn Surgery <ul style="list-style-type: none"> » Gastroenterologic surgery » Breast endocrine surgery » Urology » Orthopedic surgery and rheumasurgery 	<ul style="list-style-type: none"> Gynecology and obstetrics Internal medicine <ul style="list-style-type: none"> » Cardiology » Gastroenterology » Infectious diseases » Nephrology with dialysis unit » Respiratory medicine Geriatrics Oncology Neurology Neurophysiology Ophthalmology 	<ul style="list-style-type: none"> Rehabilitation service Auxiliary services X-ray <ul style="list-style-type: none"> » Laboratory » Blood bank and immunology » Microbiology » Pathology » Physiotherapy and ergotherapy Psychiatry Hospital for rheumatology (in cooperation with Lillehammer hospital) 	<ul style="list-style-type: none"> Multislice CT MRI Nuclear medicine Endoscopy Cardiology with echocardiography and pacemaker service Respiratory physiology Dialysis unit Advanced neurophysiology Electronic patient journal , radiology system and lab system, integrated between services and hospital units
Gjøvik hospital	45 km	177	<ul style="list-style-type: none"> Emergency coordination Emergency medicine with intensive care and anesthesia Surgery <ul style="list-style-type: none"> » Gastroenterologic surgery » Orthopedic surgery Gynecology and obstetrics 	<ul style="list-style-type: none"> Internal medicine <ul style="list-style-type: none"> » Cardiology » Gastroenterology » Infectious diseases » Respiratory medicine Geriatrics Endocrinology Oncology Radiation therapy Chemotherapy 	<ul style="list-style-type: none"> Ear-Nose and Throat Rehabilitation service Auxiliary services X-ray <ul style="list-style-type: none"> » Laboratory » Blood bank and immunology » Physiotherapy and ergotherapy Psychiatry 	<ul style="list-style-type: none"> Multislice CT MRI Nuclear medicine Endoscopy Cardiology with echocardiography and pacemaker service Respiratory physiology Electronic patient journal , radiology system and lab system, integrated between services and hospital units
Hamar hospital	60 km	136	<ul style="list-style-type: none"> Emergency medicine with intensive care and anesthesia Surgery <ul style="list-style-type: none"> » Gastroenterologic surgery » Breast and endocrine surgery 	<ul style="list-style-type: none"> Urology Vascular surgery Internal medicine <ul style="list-style-type: none"> » Cardiology » Gastroenterology » Endocrinology Oncology Rehabilitation service 	<ul style="list-style-type: none"> Auxiliary services X-ray <ul style="list-style-type: none"> » Laboratory » Blood bank and immunology » Physiotherapy and ergotherapy Psychiatry 	<ul style="list-style-type: none"> Multislice CT MRI Nuclear medicine Endoscopy Cardiology with echocardiography and pacemaker service Electronic patient journal , radiology system and lab system, integrated between services and hospital units
Elverum hospital	90 km	135	<ul style="list-style-type: none"> Emergency medicine with intensive care and anesthesia Pediatrics with intensive care unit for newborn Surgery <ul style="list-style-type: none"> » Orthopedic surgery Gynecology and obstetrics Internal medicine 	<ul style="list-style-type: none"> Cardiology Gastroenterology Nephrology with dialysis unit Respiratory medicine Geriatrics Oncology Neurology Ophthalmology Ear-Nose and Throat 	<ul style="list-style-type: none"> Rehabilitation service Auxiliary services X-ray <ul style="list-style-type: none"> » Laboratory » Blood bank and immunology » Physiotherapy and ergotherapy Psychiatry 	<ul style="list-style-type: none"> Multislice CT MRI Nuclear medicine Endoscopy Cardiology with echocardiography and pacemaker service Respiratory physiology Dilysis unit Electronic patient journal , radiology system and lab system, integrated between services and hospital units

10.7 HEALTH SERVICE PERSONNEL

The health service personnel who will be recruited for the YOG 2016 will receive necessary training from a training center that will be part of the YOGOC. Although there is an extremely high level of expertise in Norway related to sports injuries, YOGOC personnel will receive extra training in a number of areas. In addition, the somatic hospitals (Lillehammer, Hamar, Gjøvik and Elverum) that make up the Sykehuset Innlandet will have more personnel on each work shift in order to ensure that all situations

will be met with the highest level of readiness. Also, additional necessary specialists will be added to the hospitals' staff during the YOGOC period. Also, preparedness related to an increase in available medical personnel related to orthopaedics and certain other surgical specialties that include Neurology.

At all sports venues, medical teams with emergency medical training will be operative. These teams will include physicians, doctors and ambulance personnel.

MEDICAL SERVICES AND DOPING CONTROL

10.8 DOPING CONTROL ANTI-DOPING IN NORWAY

The Norwegian Government signed the Copenhagen Declaration in March 2003 and the UNESCO Convention 19 October 2005. The Convention was ratified 16 December 2005. Norway has also signed the Council of Europe Anti-Doping Convention.

10.9 ANTI-DOPING LEGISLATION AND ORGANISATION

In order to achieve the goal of a drug-free sport, an organizational structure has been established that ensures an effective implementation of international and national anti-doping regulations and policies, while at the same time ensuring that legislative, executive and judicial powers are divided between separate, independent bodies.

The Ministry of Culture is the governmental body responsible for anti-doping work in organized sport in Norway. At an international level, the Ministry also participates actively in the relevant bodies of anti-doping co-operation.

There is no anti-doping legislation at a governmental level specifically addressed to the sporting area, although the Norwegian General Civil Penal Code will in general apply to specified doping felonies, such as trafficking and doping related crime. The actual use of doping is not a criminal offence. However, complicity in the use of doping is deemed a criminal offence. The penalty for doping felonies is fines or imprisonment.

The NOC has its own rules and regulations, including anti-doping regulations. Members as well as persons participating in any event organized by the NOC are subject to these rules. The regulations are in accordance with the WADA Anti-Doping Code. NOC and the independent National Anti-Doping Organization in Norway, Anti-Doping Norway (organized by way of a foundation), are both Signatories to the Code. Anti-Doping Norway is responsible for conducting doping controls and prosecution.

10.10 GUARANTEE

The YOGOC will guarantee that the WADA Anti-Doping Code and the IOC Anti-Doping Rules will apply during the YOG 2016.

Please refer to the Guarantees File, 10.10, for the guarantee executed by Lillehammer Municipality and the Norwegian Olympic and Paralympic Committee and Confederation of Sports.

10.11 WADA-ACCREDITED LABORATORY

The Aker University Hospital (The Hormone Laboratory, Doping Section in Oslo) is a WADA-accredited laboratory and will be used at Games-time. The Doping Section was established in 1985. Samples will be transported in accordance with WADA's International Standards. Anti-Doping Norway is responsible for transporting samples from all over the world on a daily basis and possesses a broad experience within this area.

SECURITY

Norway and Lillehammer have significant experience in hosting and providing security for major international events. The experience of Olympic security arrangements in Lillehammer in 1994 as well as the Ice Hockey World Championships in Lillehammer in 1999 are parts of recent events and experience, and several other competitions have been arranged in the area since 1994. Norway is a country with very low crime rate where safety can be taken for granted. There is no problem of terrorism in the country. The police will be responsible for general security issues and maintaining the security. An organisation of volunteers and students from the Police Academy set up by the YOGOC will be working in co-operation with the police, for maintaining public order at the competition venues as well as in the official Olympic Family Hotel, YOY etc. The YOGOC will provide an efficient security control at all accreditation points. This applies in particular those with access zones principally designated to media, officials and for the athletes.

11.1 NORWEGIAN SECURITY COOPERATION RELATED TO YOG 2016

The security programme in conjunction with YOG 2016 will be a highly coordinated effort with the police and YOGOC having primary responsibility. YOGOC and the police will be closely assisted by Lillehammer Municipality, the county of Oppland, the Norwegian National Security Authority (NSM), Norwegian Air Ambulance, Norwegian Red Cross, and on a local practical level, the fire department, health authorities, environmental authorities, as well as volunteer organizations.

YOGOC will not change the normal modus of operations for the organizations listed above, but will ensure that through cooperation and a thorough understanding of the YOG 2016 that all are prepared to conduct their activities as part of a total coordinated effort. All the organizations listed above will increase their level of preparedness prior to and during the YOG 2016 in order to have contingencies in place related to physical security, fire prevention and rescue operations, health-related activities, evacuation activities etc.



SECURITY

11.1.2 SOCIETAL SECURITY IN NORWAY AND RELATED TO YOG 2016

Risk analysis is undertaken as part of a continual process by national and regional authorities in Norway in regards to security, the terrorist threat etc. In Norway, this risk analysis is undertaken in the context of societal security. Societal security is defined as safeguarding the population and key societal functions and infrastructure against attack or damage where the existence of the country is not threatened using military and civilian infrastructure and capabilities. On a practical level, this process is integrated from the highest levels down to the local levels in this country. In discussion with police and security authorities, as well as drawing from own experience, YOGOC sees the threat level as being low from international groups seeking either to disrupt the event as part of anti-globalization demonstration, or from violent extremist groups. However, YOGOC will implement establish a professional, experienced Security Department in order to prepare and manage security that will provide the necessary level of protection for this international event.

11.1.3 CLOSE COOPERATION

In close cooperation with local, regional and national authorities, including the police and the Armed Forces, the necessary preparations will be made, both physical and informa-

tional. Regarding the latter, background checks will be made as standard procedure, especially in critical positions such as staff/volunteers working in close contact with accredited groups (drivers, food service, support staff at the Athletes Village, support staff to the IOC etc.). Regarding physical security YOGOC and its cooperative partners (police, military, etc.) have broad experience in a wide range of major international high-profile events. This security experience will be adapted to the "realworld" situation as we move towards 2016 in order to ensure that a flexible, "customer-friendly" but effective security organization is in place for the YOG 2016.

11.2 SECURITY EXPERIENCE

The following table details the security experience gained in major events in Lillehammer during the past ten years.

11.3 GUARANTEE

The local and regional police force guarantees that they will maintain all duties related to law, order and security and a peaceful celebration of the Winter Youth Olympic Games 2016 in Lillehammer.

Please see Guarantees File, 11.3.

ACCOMMODATION

The accommodation facilities of the Lillehammer region offer a wide range of accommodation, hotels, motels, guesthouses, apartments and cabins, all within 0–20 km from the city centre in Lillehammer. The hotels have good meeting facilities and business centres, and are equipped with access to high-speed Internet connections. The Olympic Family Hotel will be the Radisson Blu Lillehammer Hotel, located in walking distance to the Lillehammer Olympic Park and the Youth Olympic Village. The hotel has 263 rooms and 37 suites.

Marketing partners may also be accommodated here, if necessary. The hotel has the most extensive banquet and conference facilities in the region with a total of 30 different conference rooms and large ballrooms for 400–1,200 people. In the last few years, the Lillehammer region has organized a number of sports events and congresses, which have helped to maintain events organising expertise with respect to major accommodation challenges. The organising committee will also operate a centrally controlled allocation system. The goal of the accommodation plan is to ensure accommodation solutions for all accredited groups based on the specific needs of each category as well as for spectators visiting Lillehammer during the YOG 2016.

TABLE 12.1.1

TOTAL HOTEL ROOM CAPACITY WITHIN 20 KM OF CITY CENTRE	
Star category	Existing
4 star	531
3 star	1186
2 star	342
Total	2000

HOTELS IN HAMAR AND GJØVIK

The YOGOC will coordinate all accommodation in order to make sure that the needs and requirements of all groups are met. The tourist industry in the region is committed to be part of this coordinated effort. Other groups that will have the need for accommodation will include all type of staff, support and volunteer personnel that include drivers, suppliers, catering personnel etc. These groups will have accommodation in schools, student housing, cabins etc.

12.1 TOTAL ROOM INVENTORY

The table below describes the total current existing room capacity within a radius of 20 kilometers from Lillehammer, and in a 10 kilometer radius from each of the sports venues. The Lillehammer Tourist Destination on behalf of the Lillehammer, Øyer, Hafjell Region, guarantees that all accommodation in the destination will be available during the YOG 2016.



ACCOMMODATION

12.2 YOG 2016 GUARANTEED ROOM INVENTORY

Please see Map C with all the hotels in the Lillehammer region listed according to table numbers 12.2.1, 12.2.2 and 12.2.3

TABLE 12.2.1

4 STAR ACCOMMODATION - GUARANTEED

EXISTING HOTELS

#	Hotel name	0-10 km	10 - 20 km	Total number of rooms	Guaranteed no. of rooms	% of total
1	Radisson Blu Lillehammer hotel	X		305	305	100 %
2	Quality Hotel & Resort Hafjell		X	226	226	60 %
Total number of rooms					531	

TABLE 12.2.2

3 STAR ACCOMMODATION - GUARANTEED

EXISTING HOTELS

#	Hotel name	0-10 km	10 - 20 km	Total number of rooms	Guaranteed no. of rooms	% of total
3	Clarion Collection Hotel Hammer	X		95	95	100 %
4	Rica Victoria Hotel	X		109	109	100 %
5	First Hotel Breiseth	X		89	89	100 %
6	Mølla Hotel	X		58	58	100 %
7	Quality Hotel & Resort Hunderfossen		X	130	130	100 %
8	Hafjell Hotel		X	53	53	100 %
9	Nermo Hotel		X	32	32	100 %
10	Hafjell Apartments Solsiden		X	36	36	100 %
11	Hafjell Apartments Sorlia		X	40	40	100 %
12	Nermo Apartments		X	126	126	100 %
18	Ilsetra		X	96	96	100 %
13	First Hotel Victoria Hamar			159	159	100 %
14	Rica Hotel Hamar			176	176	100 %
15	Strand Hotel Gjøvik			83	83	100 %
Total number of rooms				1282	1282	

TABLE 12.2.3

2 STAR ACCOMMODATION - GUARANTEED

EXISTING HOTELS

#	Hotel name	0-10 km	10 - 20 km	Total number of rooms	Guaranteed no. of rooms	% of total
11	Bjørns Kro Hotell/ Motel	X		15	15	50 %
12	Lillehammer Vandrerhjem, Stasjonen	X		35	35	100 %
14	Gjestebu Pension	X		36	36	100 %
15	Bjerke Gård	X		30	30	100 %
19	Nordseter Fjellstue		X	86	86	100 %
20	Nordseter Sportell		X	44	44	100 %
Total number of rooms				342	342	

TABLE 12.2.4

SUMMARY OF ALL GUARANTEED HOTEL ROOMS

	Number of hotels	Number of hotel rooms
4 star	2	505
3 star	13	1186
2 star	7	342
TOTALS	22	2033

TABLE 12.3

GUARANTEED ROOM RATES 2016

	Room type	Max rate 2010 USD per room
4 star	Single	350
	Twin/Double	420
	Jr. Suite / Suite	540
3 star	Single	300
	Double	375
2 star	Single	180
	Double	240
Pension and guesthouses	Single	140
	Double	180

12.4 GUARANTEES

Please see the Guarantees File which includes guarantees from the hotels.

12.5 ACCOMMODATION FOR SPECTATORS

There will be good accommodation capacity for spectators in the surrounding area, in camping and caravan areas, cabins and private houses. There are also a large number of privately owned cabins with high standard in the region (approximately 2,000 beds), and many of these will be in use during the YOG 2016. Either the owner will be using this capacity, or they will be rented out. This will also help to ease any lack of accommodation for other groups during the event. Alternative accommodation for a large number of the public can be expected in Lillehammer in conjunction with the culture events and concerts will be integrated into the total accommodation program. Another potential alternative is to use the school capacity in the region; and tent camps that can use creative youth-oriented concepts such as “Youth Camp”, “Base Camp”, etc.

A large number of spectators will also be coming as daytravelers – who travel back and forth each day from the eastern Norway region (including Oslo) to the YOG 2016 region. These will not request accommodation, but will be reliant upon a good transportation system (see Chapter 13).

12.6 TRANSPORT ARRANGEMENTS

Many of the accommodation units are located within walking distance from the competition sites. All the accommodation referred to in the Lillehammer region is located within the areas of efficient municipal public transport networks. Spectators will be encouraged to use public transportation.

In addition to the ordinary normal route transportation, additional “commuter” shuttles will be established for the transportation of accredited personnel. The commuter shuttles will be the main modus of transportation for the athletes, leaders, staff, press and other accredited personnel. Within the venue clusters the commuter service will be available for use by the volunteers.

TRANSPORT

13.1 GAMES -TIME TRANSPORT CONCEPT

Transport during the YOG 2016 will be based on a strategy that takes the existing transport in the Lillehammer region, then adding the necessary transport capacity to meet the expected demand during the entire event period. This will be done in an integrated way in order to have one transport system to be administered and led by YOGOC. Transport will be readily available, environmentally friendly and flexible, with information concerning routes and times easily accessible.

The transport concept is built upon the existing transport network, to be expanded during the YOG 2016 period. The Lillehammer region has built up a modern collective transport system of high quality, readily available to all with frequent departures and well-timed connections. The collective transport system is known as being among the best in Norway – and the local population can attest to this, they use bus transport as a natural part of their daily routines.

The transport concept for the YOG 2016 will further build on the collective transport strategy in order to provide athletes, staff (including volunteers), guests, media and spectators flexible and effective transport to all venues and other destinations that are a part of the total experience that will be the YOG 2016. The transport system will also use the existing road and railroad network. Concerning the railroad, it is driven by electricity generated from hydroelectric power – one of the most environment-friendly and sustainable forms of energy. There will be no need to expand the existing railroad network, as today's existing road network will have sufficient capacity. The road network is planned to be the main transport channel, to be used by buses as mentioned

above. As a supplement to the standard transport available, there will also be transport that will serve the needs of certain accredited personnel, this based on a “come when called” system.

13.2 THE RESPONSIBLE AUTHORITY

It will not be necessary to build new or upgrade existing transport infrastructure in order to meet transport needs for the YOG 2016.

13.3 MAP B

Map B shows the important roads that will be used during the YOG 2016. The map also shows the expanded route network that is specially designed for use during the event.

Please refer to Map B on the inside of the front cover of the Candidature File, Volume 2.

13.4 AIRPORT DATA

YOG 2016 main airport will be the Oslo Airport Gardermoen (OSL). This is Norway's main airport, a facility that was opened in 1998. An average of 52 000 passengers use the airport daily, on the busiest days 75 000. Approximately 700 aircrafts take off and land each day, and over 50 different airlines have routes in and out of OSL. The route network to and from OSL connects 110 airports, with 86 of these airports outside of Norway. Passenger numbers have grown during the past years – except for a temporary dip in 2009 – with the number for 2010 showing that 19 million passengers used OSL.

TRANSPORT

13.5 DISTANCE AND JOURNEY TIME TABLE

TABLE 13.5

DISTANCE AND JOURNEY TIME TABLE												
All distances in km and journey times by bus	Gateway International Airport		Main Hotel Area		Youth Olympic Village		Olympic Stadium		Media Accomodation (City Centre)		MMC	
	Km	Min.	Km	Min.	Km	Min.	Km	Min.	Km	Min.	Km	Min.
Gateway Int. Airport			145	120	145	120	145	120	145	120	145	120
Main Hotel Area	145	120			1	3	1	3	1,5	4	1	3
Youth Olympic Village	145	120	1	3			0,2	-	1	3	0,3	-
Olympic Stadium	145	120	1	3	0,2	-			1	3	0,2	-
Media Accomodation	145	120	1,5	4	1	3	1	3			1	3
MMC	145	120	1	3	0,3	-	0,3	-	1	3		
Alpine Skiing, Hafjell	165	140	18	22	18	22	18	22	18	22	18	22
Freestyle Skiing, Ski Jumping Snowboard, Nordic combined Kanthaugen	146	120	1,5	4	1	3	1	3	2	5	1	3
Cross-Country skiing, Biathlon Birkebeineren	148	125	4	5	3,5	5	3,5	5	4,5	7	3,5	5
Curling, Ice Hockey, Kristins hall	145	120	1	3	0,2	-	0,2	-	1	3	0,2	-
Figure Skating, Short track, Hamar OL-amfi	86	70	63	60	63	60	63	60	63	60	63	60
Short track, Gjøvik Fjellhall	100	88	46	40	47	42	47	42	46	40	46	40
Speed Skating, Hamar Olympiahall	85	70	66	65	66	65	66	65	66	65	66	65
Culture an Education, Håkons hall	145	120	1	3	0,2	-	0,2	-	1	3	0,2	-

13.6 OPERATIONAL OBJECTIVES

The goals related to the staging of transport services during the YOG 2016 will be to ensure that all transport is:

- Fast
- Effective
- Punctual
- Available
- Environmentally-friendly

This will be measured by seeing to it that all athletes, accredited, staff (including volunteers) and public experience pleasant and effective transport between the venues and other designated points (Youth Olympic Village, designated hotels, etc.) on time and without delays. The transport will be effective in the way that it will guarantee transport of the athletes in a direct way without detours and delays or with unnecessary stops during the trip. All main routes will be covered without it being necessary to change bus etc. The level of being “on time” will be a very high percentage. All departures will take place according to the route schedule (or in the case of accredited transport, as agreed). All vehicles will be available

for users who have special needs, such as different forms of handicaps. There will be small/low steps at the entrances of the buses, and there will be highly visible signage at bus stops as well as onboard the buses, such that it will be easy to find the correct bus, and simple once on board to get to the correct destination. Simple and understandable information material will be developed, material that will be easy for all to use. Cell phones will be used to supply information concerning routes and arrivals/departures as well as to receive transport requests from certain accredited categories. At the main bus stops there will be “real time” information that will provide information concerning departures and the time until the next departure.

All transport activities will be coordinated and managed by a full-time transport headquarters staff that will be integrated in with the regional center for bus logistic coordination. At transport headquarters, there will be traffic managers and information systems that will at any given time ensure that necessary and correct information is available and that the total traffic network is flowing as planned. Planning is being made such that all vehicles will be as environmentally friendly as possible, including the optimal fuel as well as training for all drivers concerning use of their vehicles.



13.7 IMPLEMENTATION OF THE GAMES TRANSPORT SYSTEM

Activities during the YOG 2016 will be to a large extent focused on the Youth Olympic Village and the Olympic Park, the areas where many of the sports, culture and education activities will be taking place – most of these being within walking distance from each other, or very short driving distances. This fact has simplified the transport planning, as it will rely on buses that are set up to drive pre-defined routes. This will tie all sport and culture venues together with main places of accommodation and the town center is a quick and effective method.

13.7.1 ORDINARY ROUTES

Lillehammer and the region have a very developed collective transport network, and currently receives extra funding from the Norwegian Parliament in order to increase transport effectiveness to an even higher degree than the current impressive levels. The ordinary bus service in Lillehammer, Hamar and Gjøvik, as well as the regional routes in the area will cover transport needs in regards to all venues during the YOG 2016. This is the core of the transport system during the event. These routes will have available capacity and will be available free of charge to all accredited personnel, including volunteers. Where and when it is necessary, extra transport capacity will be integrated into the vehicle fleet to cover high demand. Examples include Sundays and on the route to and from Hafjell (from Lillehammer).

Public transport into the Lillehammer area from outside of the region is based on the use of train capacity from Oslo and Oslo Airport to Lillehammer, while the public within the Lillehammer area will have access to the ordinary bus network.

13.7.2 YOG SHUTTLE

In addition to the ordinary bus routes, a number of dedicated “commuter” routes will be set up for the transport of accredited personnel. These “commuter” routes will represent the main transport service for athletes, staff, press and other accredited personnel. Within the venue cluster areas these “commuter” routes will also be used by the volunteers.

YOG SHUTTLE

The shuttle transport being offered will be in 3 categories:

SHUTTLE ROUTE 1

Lillehammer Bus/Train Station – Youth Olympic Village – Lygårdsbakkene – Kanthaugen – Birkebeineren Ski Stadium.

Shuttles will leave every 15 minutes (except every 30 minutes in period of low traffic/demand)

SHUTTLE ROUTE 2

Lillehammer Bus/Train Station – Youth Olympic Village – Hafjell – Hunderfossen

Shuttles will leave every 30 minutes (except every hour in periods of low traffic/demand)

SHUTTLE ROUTE 3

Youth Olympic Village – Lillehammer Bus/Train Station – Hamar OL Amfi/Viking Ship – Olympiahallen – Hamar Bus/Train Station - YOV Hamar

Shuttles will leave every hour

GJØVIK, SHORT TRACK

In addition to shuttle routes numbers 1 to 3, extra bus and/or minibus routes for accredited personnel will be set up between Hamar and Gjøvik as well as between Lillehammer and Gjøvik for short track competitions and training days in the Gjøvik Fjellhall.

13.7.3 AIRPORT SHUTTLE

“Commuter” bus routes are planned between Gardermoen Oslo Airport (OSL) and Youth Olympic Village to cover transport needs before the YOG 2016 begins – and for travel back to Oslo Airport after the completion of the event. Bus service will be planned according to each country team’s planned arrival and departure. When possible, smaller national teams can share a bus. Bus service will also be provided to the media as well as IOC official where needed. For media representatives, IOC, etc. the transport service will also be offered by train to and from the Oslo Airport. In certain situations, dedicated transport will also be provided to and from the airport.

13.7.4 “COME UPON REQUEST” TRANSPORT

A system for ordering transport will be developed for use by the IOC delegation, marketing partners (certain sponsor categories), referees/judges, media personnel as well as other designated categories with special transport needs. This transport will provide “door to door” service, using automobiles and minibuses that will be registered in an order system such that the designated accredited categories can order transport via the Internet, SMS and telephone. This transport service will be coordinated such that the person/group ordering the transport will receive a confirmation via their cell phone along with a specific message providing information regarding departure time and route. This ordering system will also be used by the ordinary transport network in the region. By the time of the YOG 2016, this system will be fully developed and tested and function as a state-of-the-art transport order system that will use the new communication methods for ordering and confirmation of transport. Drivers will be qualified volunteers who receive special training.

13.7.5 TRANSPORT OF EQUIPMENT

Certain teams and sports disciplines will require special transport as a result of the equipment needed. For these groups, special transport will be provided, transport that is available through the same transport system as described above.

13.7.6 PUBLIC TRANSPORT

Public transport to and from the Olympic region will take place through use of ordinary express buses as well as trains. A special price will be offered to spectators purchasing an event ticket together with their bus/train travel. Public transport within the Lillehammer region will be based on ordinary town and regional bus service, with increased capacity as necessary. There will also be extra bus capacity established in conjunction with certain venues/towns that include:

- Between Lillehammer and Hamar
- Between Hamar and Gjøvik
- Between Gjøvik and Lillehammer
- Between Lillehammer and Hafjell/Hunderfossen
- Between Lillehammer town center and Lillehammer Olympic Park/Youth Olympic Village

13.8 TRANSPORT MEASURES

As described earlier, transport during the YOG will be largely based on the existing infrastructure and be built up around the regional and local bus services – also increasing capacity and making adjustments in order to meet demands and requirements of the YOG 2016. The regional and local road network will have more than adequate capacity to meet the traffic load during the YOG 2016, and the expanded collective transport service will have the necessary frequency of departures and capacity to be able to be flexible, on-time and a comfortable modus of transport for all athletes, staff/volunteers, media personnel, guests and the public. The road network will have adequate capacity to meet any contingencies.

Transport during the YOG 2016 will be strengthened by an increase of the level of vehicles/services in the existing regional network. Led by experienced transport personnel with long experience from both “normal” transport situations as well as during major sporting events, their strong background in collective transport management will ensure that the logistics function as planned.

Through planned improvements of existing software and communication solutions, the overall transport system will be updated with up-to-date “tools” that will ensure successful management during the YOG 2016 – and at the same time ensure that only a minimum “environmental footprint” is left by the event when concluded.

INFORMATION & COMMUNICATIONS TECHNOLOGY

Norway has an “ICT Smart” (Information and Communications Technology) population. The country ranks at the top in the world concerning per capita use of ICT – where the broadband network covers the entire country and serves 99,9 % of the population.

ICT activities here are well coordinated and well anchored in national strategy. A decade ago in the year 2000, the country implemented a national ICT policy called “eNorway” with the goal of placing Norway and its population solidly in the center of the “knowledge economy” in reference to ICT activities, business, project, use and industry. This has succeeded beyond expectations.

The country’s population has one of the highest levels of education in the world, and this fact is reflected in its number 5 world ranking in the “The Knowledge Economy Index 2009”, a global analysis undertaken by the World Bank. This high level of education and ICT aptitude is well represented in the youth of this country.

14.1.1 YOUTH & ICT AT THE YOG 2016

Norwegian youth are extremely active users of ICT, with literally all having their own cell phone and use of a personal computer on a daily basis. A substantial portion of this use is in relation to modern social media, actively used by Norwegian youth as well as youth in general.

A major research report published in 2008 called “New Net Phenomena” showed that for the first time that Norwegian 16-19 year olds have begun to use Internet more than television – this in terms of number of users daily, and amount of time each was in use. This survey showed also that use of personal media among youth had major importance for youth. This type of media includes Facebook, Twitter, “Instant Messenger”, cell phone (with mms, sms), blogs, Internet diaries, IRC and e-mail – and the combination of all or some of these had major social meaning for young people.

YOG 2016 will reflect this communication trend in laying the basis for athletes, spectators and those following the event globally to communicate with each other and be part of the event through elements of youth-oriented social media.

The development of the ICT platform, infrastructure and practical applications will be based in the needs and perspectives not only the YOG 2016 as an IOC event – but will use youth to provide indications as to what is necessary to make the digital platform relevant from their perspective. It is youth who are often “cutting edge experts” with practical use of ICT, and planning YOG 2016 activities related to this, will take that fact into perspective.

14.1.2 SOCIAL MEDIA AND INTERACTION - LONG BEFORE THE YOG 2016

In conjunction with the YOG 2016, we plan to set the stage for socializing from the youthful viewpoint – before, during and after the event. Before YOG 2016 we will appoint school classes throughout Norway to be in contact with athletes from all participating countries.

INFORMATION & COMMUNICATIONS TECHNOLOGY

They will communicate and not only gain an understanding of the culture and society in the participating county, but also make the athletes feel quite welcome to Norway when they arrive.

This will be the start of the socializing network, a network of communication between athletes and “hosts” – also achieving the synergy that will result in a larger number – and more enthusiastic spectators coming to Lillehammer for the YOG 2016. There will be many exciting meetings between different school class “hosts” and their respective athletes during the course of the event.

It is our goal that youth from all over the world will join in this Internet society before the YOG 2016, making friends and bonds that will last long after the event is concluded.

14.1.3 YOG 2016 DIGITAL PLATFORM: ATTRACTIVE, INTERACTIVE – AND FUN

An attractive, participative, interactive, fun, innovative, flexible and adapted digital platform is key to success both from a perspective of the youth as well as a practical perspective.

No one knows for certain what will be the trends and the “cool” digital activities and services in 2016 as seen from the eyes of youth. As a result, it is important to involve youth actively in the development of this digital platform.

With the knowledge we have concerning the trends regarding young people’s television use compared to the time used with digital media, we know quite clearly that it is the latter that must be the focus if we are to gain – and keep – the attention of youth. Expectations for an even

more powerful mobile platform that opens the possibilities for new services will reduce the use of television as entertainment even more in the years to come. We will attract youth to the digital platform with the promise of entertainment – *but also with the promise to challenge them intellectually as well.*

The key word is sharing, in other words to make the core of the digital platform based on the concept of sharing content generated by youth and for youth, but also including other Olympic-content presented in a way that youth will embrace it.

14.1.4 BY YOUTH, WITH YOUTH - AND FOR YOUTH

With the motto “By youth, with youth – and for youth” we will beckon youth to take part in forming and developing the digital platform. The goal is to involve not only the top sports talents, but to also be joined by the top talents within information technology, music, art, other creative areas, as well as those youth who are deeply and ideologically involved in societal support (organizations, etc.). The result will be a digital platform that is full of relevant content that is not only wide in spectra, but “hits the target” in terms of interest area for many youth globally. Relevant corporations, as well as educational institutions within technology, media and culture will be invited to join in the process, in addition to youth organizations.

14.2 TELECOMMUNICATIONS INFRASTRUCTURE

Norway has an extensive and well-developed communication network. The infrastructure encompasses a well-developed system of ground stations, satellites and fiber optic infrastructure. It is able to offer a data network with rented lines and IP-VPN network. Optical-fiber cables with transmission systems connect all the competition and non-competition venues to the public network.

This national public network consists of a high capacity network. In the Olympic area, the optical redundant connections for the venues were established and used for the 1994 Winter Olympic Games for serving telephony, data and broadcasting services on a digital basis. The network also comprises redundant capacity over diverse optical-fiber cable routes to satellite earth stations and international hubs through international optical-fiber cables.

In the Lillehammer region, ground-based and satellite based distribution, cable television network and permanent frequencies for video and sound signals will be available for broadcasters before and during the YOG 2016. A fiber optic cable network has been laid to all venues. This network was established in conjunction with the planning and staging of the 1994 Winter Olympic Games.

In cooperation with information and telecommunication companies, as well as ICT-related educational and youth organizations (including “The Gathering” which takes place in the Hamar Viking Ship venue every Easter, and is the world’s second largest data-meet for youth), there will be specially tailored applications developed for the YOG 2016. These will primarily be Internet-based services that will be available for use by the IOC for future Youth Olympic Games. The services offered will cover (for example) the needs related to administration, project control and follow-up, eLearning, warning systems, activities and assignments, personal day-book planners, and entertainment.

Both cable based as well as a mobile network that enable connection to the Internet will be available during the YOG 2016. WiFi will be offered to the public at all venues.

As noted, athletes, leaders and the media will have free use of this wireless WiFi broadband network that will be available in the Youth Olympic Village as well as all venues and primary facilities.

An Internet Center will be located in the Athletes Village, and together with IT Help Desks in all venues will enable athletes to receive assistance – whether they are beginners or advanced users of IT technology. Access to the Internet and related help services will be available.

14.3 TELECOMMUNICATION AND MOBILE GUARANTEES

Letter of Intent, signed by Telenor.

Please refer to Guarantees File, 14.3

14.4 FREQUENCY ALLOCATION

The Norwegian Post and Telecommunications Authority, NPT, has the authority to allocate the spectrum necessary for radio transmission at the YOG 2016.

14.5 FREQUENCY MANAGEMENT

The Norwegian Post and Telecommunications Authority *is not in a legal position to guarantee access to the necessary frequencies for the organization of the YOG 2016 at this time of the bidding process, as this would be deemed contrary to the Norwegian Electronic Communications Act.*

However, during the past years several international sports events have taken place in Norway, and the organizers of these events have applied for, and been granted, necessary frequencies by the NPT for e.g. PMR-equipment (walkie talkies etc), uplinks to satellite for TV (SNG) and wireless equipment (microphones etc).

Please refer to Guarantees File 14.5.

14.6 FEE WAIVER

The NPT has outlined the conditions for obtaining exception from fees to be charged for the reservation and services of frequencies to be used during the YOG. YOGOC will apply for a fee waiver pursuant to these rules.

Please refer to Guarantees File 14.6.

MEDIA OPERATIONS

OPTIMAL WORKING CONDITIONS FOR MEDIA

The media plays a pivotal role in the building of the YOG 2016 as a global event. Lillehammer will offer optimal working conditions for reporters and journalists who will present impressions, news and results to an entire world from the second Youth Olympic Winter Games.

Lillehammer's compact and beautiful natural surroundings create a unique backdrop for YOG 2016's focus on sport, culture and education. Athletes, culture performers, volunteers, spectators – and the media – will all be in a concentrated local area, and contact and common experiences will be created.

CENTER FOR SPORT, CULTURE AND EDUCATION

Lillehammer has international recognition as a centre for sports and recreational activities, and as one of the foremost hosts of the world's most important winter sports events, including of course the 1994 Olympic Winter Games. These events have taken place in town and in the immediate vicinity of the town, creating intimacy and close interaction between visitors, and between visitors and the town's inhabitants. This provides media with easy

access to all venues and events, and the media becomes part of the inspiring atmosphere that is created when people meet. Through the media YOG 2016 will be a meeting between youth present in Lillehammer and young people throughout the world.

Lillehammer is also a centre for culture and education. The town has a rich cultural life and offers a series of large arts and cultural events on the national and international level. The town is known for one of Europe's largest open air museum – Maihaugen – and for its prestigious Lillehammer Arts Museum. Norway's Olympic Museum is also located in Lillehammer.

There is a number of important education institutions in Lillehammer, including the Lillehammer University College and the Nansen Academy – the Norwegian Humanitarian Academy – named after Fridtjof Nansen, Nobel Peace Prize Laureate in 1922. The Lillehammer University College is the largest higher education school outside of the Norway's major cities, and will be an important resource in the planning and staging of YOG 2016.

Lillehammer is in itself an intimate meeting place for sports, culture and education, surrounded by beautiful landscapes.



MEDIA OPERATIONS

15.1 MAIN MEDIA CENTER

The Main Media Center (MMC) will be located in the direct vicinity of the Olympic Park. The MMC lies right in the centre of activity, with short walking distances to a number of events and venues, as well as to the town centre. The MMC will be located in the same area as the Youth Olympic Village and venues for ice hockey and curling, and with relatively short distances to the ski jumping, cross-country skiing and biathlon venues.

The existing building complex is perfect for the location of the MMC. The building's total area measures 4,400 square meters, with rooms of varying size that can easily be allocated to the needs of the different user groups; studios and work areas; rooms for press conferences, technical rooms, meeting rooms, offices, etc. The building complex is high standard with all accompanying facilities, including common areas for food and other services. The MMC allows easy access to the main road network, and the area has large parking areas.

The building and rooms will be upgraded with cabling and other technological infrastructure. This will be planned in cooperation with leading expert organizations and personnel within media, telecommunication and ICT – both within Norway as well as internationally. Among these the Norwegian National Broadcasting Corporation (NRK), respected as one of the absolute world leaders when it comes to winter sports broadcasting. Lillehammer and Norway understand the needs of the media, and will place special emphasis on new digital media and young people's media needs.

Further planning of the MMC will be done in close cooperation between the IOC and the Olympic Broadcast Services (OBS). Specific areas within the MMC will be reserved for the OBS, and the services and functions that are necessary for the OBS will be put into place according to requirements. A liaison function will be established between the OBS and the YOGOC to ensure the best communication and service possible.

As of today, the buildings are in use as high school and owned by the County of Oppland, one of the main partners behind Lillehammer YOG 2016. The buildings will be rented by the YOGOC as agreed between the two parties. The financing for the renting, outfitting, and restoration to the original condition after the event will be covered within the YOGOC budget.

Use of the buildings as the MMC for YOG 2016 is optimal in relation to development plans for the Olympic Park.

15.1.1 VENUE MEDIA CENTRES – VMC

All venues will have areas, facilities and equipment to satisfy the requirements of the media – the VMCs. These centers will have work areas that are modified to best suit each particular venue, based on sport discipline, number of sessions etc. The planning for these services will also encompass TV and photography positions, media zones (mixed zones), parking areas of OB vans, etc. Most of the venues that will be used during the YOG 2016 already have these facilities, and will not require large investments to satisfy the requirements related to the event. Continued planning will be conducted in close cooperation between the IOC and the OBS.

15.1.2 SERVICE AND SUPPORT

YOGOC will have personnel with high level competence and experience concerning support for and working with media. During the YOG 2016 this organization will be expanded and supplemented by many young staff and volunteers who will add their competence and enthusiasm.

This staff and volunteers will partially be service and support personnel for the OBS and the accredited media representatives, while others will participate in production and distribution of reports and other content covering YOG 2016 activities. Young media staff will represent their perspectives and new angles in regards to both content as well as methods of communication and distribution. This in itself will be an important goal. The distribution of content through YOG 2016's own website will be a central element in the process.

YOGOC will naturally recruit these staff members from media-related student environments at the Lillehammer University College and other educational institutions. This cooperation is already in existence as a result of World Cup events and other international competitions.

YOGOC will establish its own Media Department with professional management supervising the planning and execution of media operations up to and during the games.

15.1.3 ACCOMMODATION AND TRANSPORT

Lillehammer has a large accommodation capacity, and media personnel will live within short distances from the MMC and the venues. YOGOC's plan is to offer high quality accommodation at reasonable prices. Media transport will be an integrated part of the overall transport network service, with fast and safe transport to and from all venues and other important locations.

15.1.4 MEDIA GUIDE

All relevant information for the media will be available through a Media Guide. This guide will include all necessary practical information that relates to accommodation, transport, service and support etc.. The Media Guide will also include extensive information regarding the YOG 2016 in general, the Sports Program, Culture Program, information concerning Lillehammer as the host, and finally on Norway as the host country.

15.1.5 INFORMATION SERVICES

YOGOC will have its own information service – Youth Olympic News Service that will produce and distribute reports from events and other activities. A dedicated website for YOG 2016 will be the centre for distribution.

It will be the responsibility of this service to provide the media with all relevant information about the YOG 2016, Lillehammer and Norway. Information service activities will naturally be executed in closed cooperation with the IOC.

GLOSSARY

Abbreviation	Full title	Abbreviation	Full title
AMK	ACUTE MEDICINE EMERGENCY SERVICES	OSL	THE OSLO AIRPORT AT GARDERMOEN
EEA	EUROPEAN ECONOMIC AREA	SOPP	STUDENT WELFARE ORGANIZATION IN THE COUNTY OF OPPLAND
IOC	THE INTERNATIONAL OLYMPIC COMMITTEE	VAT	VALUE ADDED TAX
IP-VPN	INTERNET PROTOCOL - VIRTUAL PRIVATE NETWORK	VGS	HIGH SCHOOL
LK	LILLEHAMMER MUNICIPALITY	VMC	VENUE MEDIA CENTER
LNU	THE NORWEGIAN CHILDREN AND YOUTH COUNCIL	WADA	WORLD ANTI-DOPING CODE
LOBB	LILLEHAMMER COOPERATIVE HOUSING ASSOCIATION	WIFI	WIRELESS TECHNOLOGY WIDELY USED IN HOME AND BUSINESS NETWORKS, PUBLIC WIRELESS ZONES AND MOBILE PHONES
MMC	THE MAIN MEDIA CENTER	WIPO	WORLD INTELLECTUAL PROPERTY ORGANIZATION
MUSD	MILLION US DOLLARS	WTO	THE WORLD TRADE ORGANIZATION
NOC	THE NORWEGIAN OLYMPIC AND PARALYMPIC COMMITTEE AND CONFEDERATION OF SPORTS	YHCC	THE OLYMPIC CHARTER AND YOUTH OLYMPIC HOST CITY CONTRACT
NRK	NATIONAL BROADCASTING CORPORATION	YOG	YOUTH OLYMPIC GAMES
NPT	NORWEGIAN POST AND TELECOMMUNICATION AUTHORITY	YOGOC	YOUTH OLYMPIC GAMES ORGANIZING COMMITTEE
NSM	THE NORWEGIAN NATIONAL SECURITY AUTHORITY	YOV	YOUTH OLYMPIC VILLAGE
OBS	THE IOC AND THE OLYMPIC BROADCAST SERVICES		

