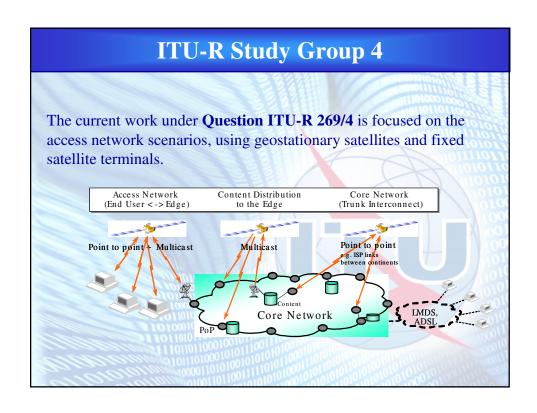
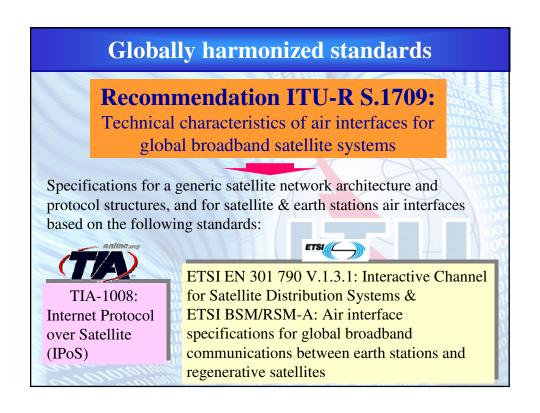


STUDY QUESTION ITU-R 269/4

"Spectrum requirements and technical and operational characteristics of user terminals (VSAT) for global broadband satellite systems".

- 1 What are the spectrum requirements for the provision, on a worldwide basis, of high speed Internet services?
- 2 What are the frequency bands that could be identified in the short, medium and long term for the provision of high speed Internet services?
- What are the technical and operational characteristics that could facilitate the mass production of simple (i.e. very small aperture terminal (VSAT)) terminal equipment at affordable prices?





ITU World Radiocommunication Conference 2007 (WRC-07)

Agenda Item 1.19:

"To consider the results of the ITU-R studies regarding spectrum requirement for global broadband satellite systems in order to identify possible global harmonized FSS frequency bands for the use of Internet applications, and consider the appropriate regulatory/technical provisions, taking also into account No. 5.516B of the Radio Regulations".

WSIS



Plan of Action (<u>Document WSIS-03/GENEVA/DOC/5</u>): C2. Information and communication infrastructure: an essential foundation for the Information Society:

- d) Develop and strengthen national, regional and international broadband network infrastructure, including delivery by satellite and other systems, to help in providing the capacity to match the needs of countries and their citizens and for the delivery of new ICT-based services. Support technical, regulatory and operational studies by the ITU and, as appropriate, other relevant international organizations in order to:
- broaden access to orbital resources, global frequency harmonization and global systems standardization;
- encourage public/private partnership;
- promote the provision of global high-speed satellite services for underserved areas such as remote and sparsely populated areas;
- · explore other systems that can provide high-speed connectivity.



Global Broadband Satellite Infrastructure Initiative

The Global Broadband Satellite Infrastructure Initiative contributes to bridging the digital divide by promoting the provision of high-quality, two-way high speed Internet services to all users throughout the world. Satellite technology makes it possible to develop this infrastructure within a reasonable timeframe and at a reasona cost. To achieve this objective, an innovative public-private or partnership is dentification of required. This partnership would lead to worldwide frequency bands dedicated to bloadband tandard for the connections, creation of a universal technical user terminal equipment, and a pro-competitive harmonized regulatory framework.



Global Broadband Satellite Infrastructure (GBSI) Initiative

GOAL

Make benefits of broadband technology universally accessible, i.e., to as many people as possible, as soon as possible, and at the lowest cost possible.

APPROACH

- ✓ Universal technical standard for user terminals
- ✓ Harmonized radio frequency bands
- ✓ Minimal, harmonized and pro-competitive regulatory environment

KEY ELEMENT

✓ Public-Private Partnership with the role of each partner clearly defined



Global Broadband Satellite Infrastructure (GBSI) Initiative

Contribution from ITSO's Director-General to WSIS

Memorandum of Understanding

signed and endorsed by a number of stakeholders, including satellite operators, equipment manufacturers, and international organizations.

