ITU – Spectrum & Standards

Jean-Yves Monfort, Orange FT Group, ITU-T SG12 Chair
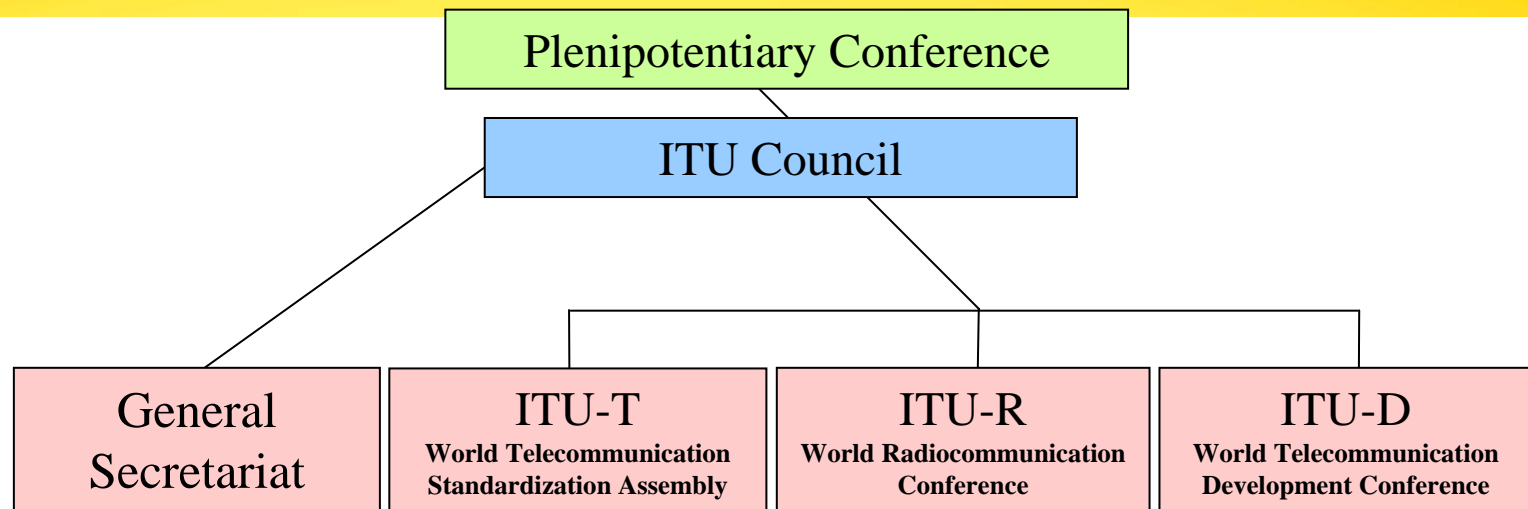
Geneva, 5-7 March 2008

o   Review of past Actions

o   What's new from last year?

- ITU-R 5A – WG3

- ITU-T Focus Groups

- APSC Telemov
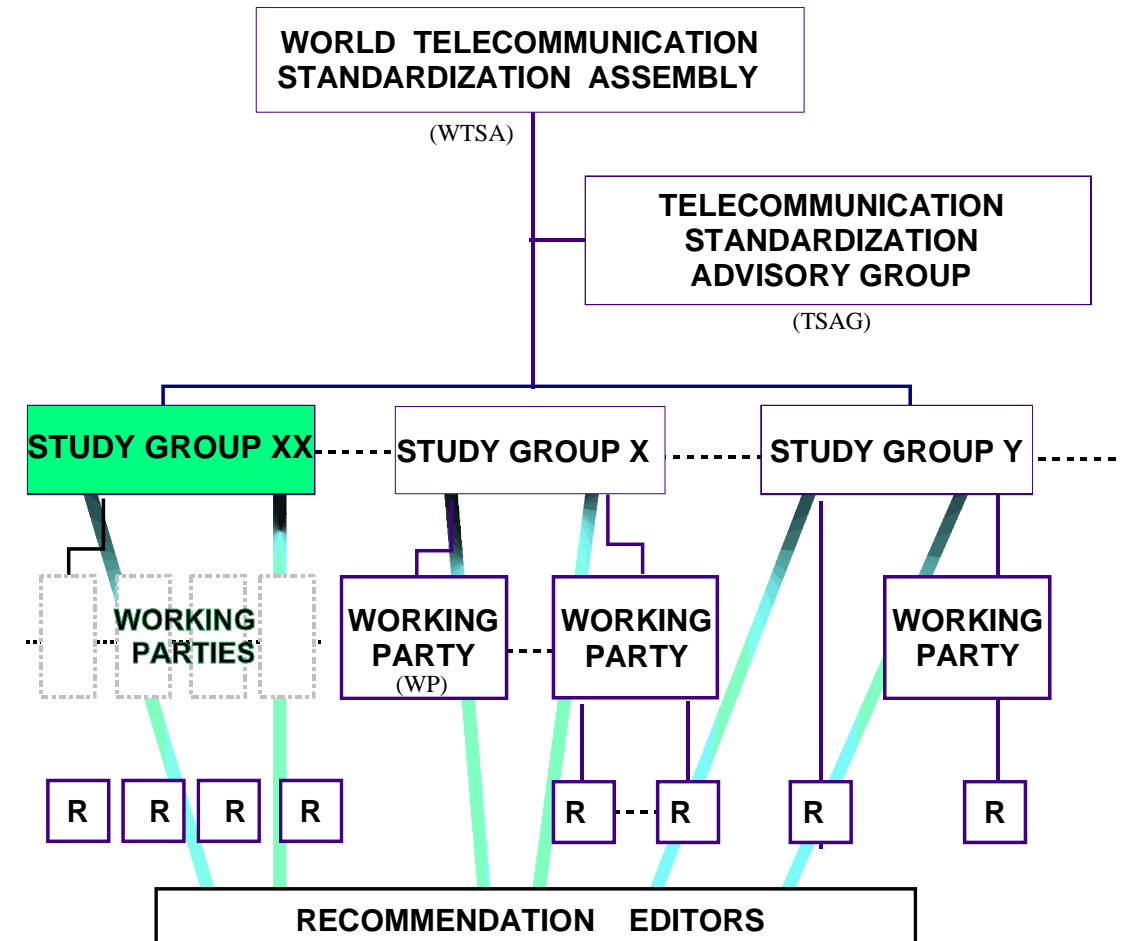
o   What could be the future?

Reminder : ITU Structure

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                    Plenipotentiary Conference
                            ITU Council
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| General Secretariat | ITU-T **World Telecommunication Standardization Assembly** | ITU-R **World Radiocommunication Conference** | ITU-D **World Telecommunication Development Conference** |

TSB

o **General Secretariat** : Coordinates the Union's activities and the overall management of the Union

o **ITU-T**: Telecommunication standardization on a world-wide basis on technical, operating and tariff Questions

o **ITU-R**: Radio communications and wireless

o **ITU-D**: Use and deployment of telecom networks and services in the developing nations

ISO IEC ITU International Telecommunication Union

WORLD TELECOMMUNICATION STANDARDIZATION ASSEMBLY

(WTSA)

TELECOMMUNICATION STANDARDIZATION ADVISORY GROUP

(TSAG)

STUDY GROUP XX ----- STUDY GROUP X .... STUDY GROUP Y ....

WORKING PARTIES

WORKING PARTY
(WP)

WORKING PARTY

WORKING PARTY

R R R R

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R

R

RECOMMENDATION   EDITORS

R = RAPPORTEUR GROUP

**The Fully Networked Car
Geneva, 5-7 March 2008**

o   The fourth Workshop (2003, 2005, 2007 and 2008)

o   Creation of the APSC Telemov as a result of the first workshop

o   Data available on the websites (for ITU)

- In 2007 ITU-R's studies on ITS: **Colin Langtry**
http://www.itu.int/dms_pub/itu-t/oth/06/05/T06050030050001PDFE.pdf

- In 2005 *ITU, a potential partner for ICT in vehicles* JY Monfort
http://www.itu.int/ITU-T/worksem/ict-auto/200503/presentations/s3-monfort.pdf

o **Restructuring of ITU-R Study Groups and consequences on ITS activities**

o Work completed by Focus Group Fitcar and creation of a new Focus Group Carcom

o **APSC Telemov has updated the web site and provided a report of the task force to GSC (Global Standardization Collaboration) 12 , Kobe, Japan, July 2007**

o   ITU-R Has been restructured

o   Study Group 5 (SG 5) : Terrestrial Services

- Working Party 5D (WP 5D) - IMT Systems

- **Working Party 5A (WP 5A) - Land mobile service excluding IMT; amateur and amateur-satellite service**

    – WG 5A-3 PUBLIC PROTECTION, TRUNKING AND PAGING AND
       INTELLIGENT TRANSPORT SYSTEMS (ITS)

- The Correspondence Group on ITS will continue to work between meetings to progress its documents.

o **What are the various elements of ITS?**

o **What are the overall objectives for ITS with respect to:**

- Radiocommunication requirements: radio interfaces, reliability, grade of service, etc.;

- Improvement factors; congestion reduction, safety, control, quality of life, etc.;

- type of services?

o **What radio-based ITS services and functions might benefit from international standardization?**

o **What are the spectrum requirements for each element of ITS including:**

- suitable bands;

- spectrum bandwidth needed?

o What are the interconnect requirements of ITS with the switched telecommunication networks?

o What are the technical factors that affect sharing between ITS and other users?

o To what extent can the evolving mobile telecommunications systems be used to deliver ITS services?

o What are the radiocommunication requirements and technical specifications necessary for the global or regional harmonization of next generation ITS radiocommunications?

o What is the definition of "telematics" in the context of ITS? In such a context, what are the systems and application requirements of telematics? What are the land mobile communications requirements of telematics?

o What are the technical and operational characteristics of AVL in the land mobile service?

o **Focus Group FITCAR**. The work has been completed (see presentation in **Session 8: Voice and audiovisual services**)

→ to be submitted as draft New Recommendation in ITU-T SG12 (May)

o A new Focus Group CARCOM was created to cover Wideband speech and possible other voice services. First meeting planned in June.

**APSC Telemov
Advisory Panel for Standards Cooperation on
Telecommunications related to Motor Vehicles**

o Chaired by B. Williams, Co Chairs from ITU-T SG 12&16 and ISO TC 22 and 204

o The Website has been updated to provide information on
http://www.itu.int/ITU-T/special-projects/apsc/index.html

- Who is involved? ITU(-R&-T), ETSI, ISO (TC 204 &TC 22), CEN TC 278,...

- Subject areas and technologies linked with ITS

- Special Actions identified, eg "GSC" Task force, Focus Groups...

- On going actions : FAQ and short (and regularly updated) library on ITS hot topics will be added

o   The Emergency Notifications task force, Chaired by V. Shumann (shuman@ygomi.com)

→ Results presented to GSC 12, Kobe

o   Four Issues considered in the Task Force

- Automotive Crash Notification (ACN)
- Vehicle Safety Communications (VSC)
- Software Reconfigurable Radios (SRR)
- Location referencing

→ A new **RESOLUTION GSC-12/10: (GRSC) GSC ITS Task Force**

o to endorse the continuation of the GSC ITS Task Force hosted by ITU-T APSC TELEMOV and requests the Task Force to;

- use the recommendations in the report (to GSC 12)as the basis for ongoing work;
- serve as a coordination point for global standardization activities and further the recommendations noted in the report;
- make recommendations to GSC on related spectrum issues and technologies for VSC
- recommend the scope for specific standards needed to enable Software Reconfigurable Radio (SRR) for automotive applications at the next GSC meeting; and
- report on progress in each of these areas at the next GSC meeting (July 2008)

o to request the Participating Standards Organisations to review the GSC ITS Task Force report and their national/regional activities in each of the topic areas and report on progress.

o ITU-R and ITU-T have already created links with the different external bodies to ensure progress of their works. This should continue.

o ITU-T and ITU-R shall improve the collaboration in order to take benefits of the respective forces

→ An **ICG (Intersector Collaboration Group) for "fully networked car"** to be created?

→ This Group should have strong contact in ITU-D in order to cover the whole World.

Thanks

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