ITU-T Overview
on
ITS Communication Development
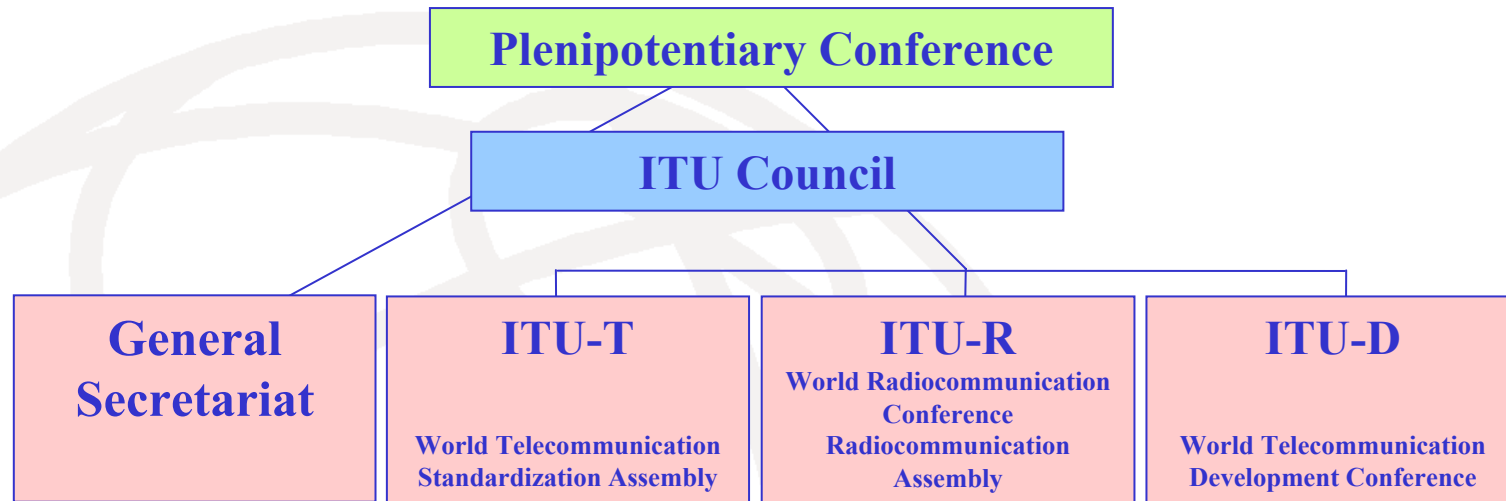
Kyoto, Japan 24 August 2011

Yushi Naito, SG 16 Chairman
Scott Pennock, FG-Distraction Chairman

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ITU Structure

Plenipotentiary Conference

ITU Council

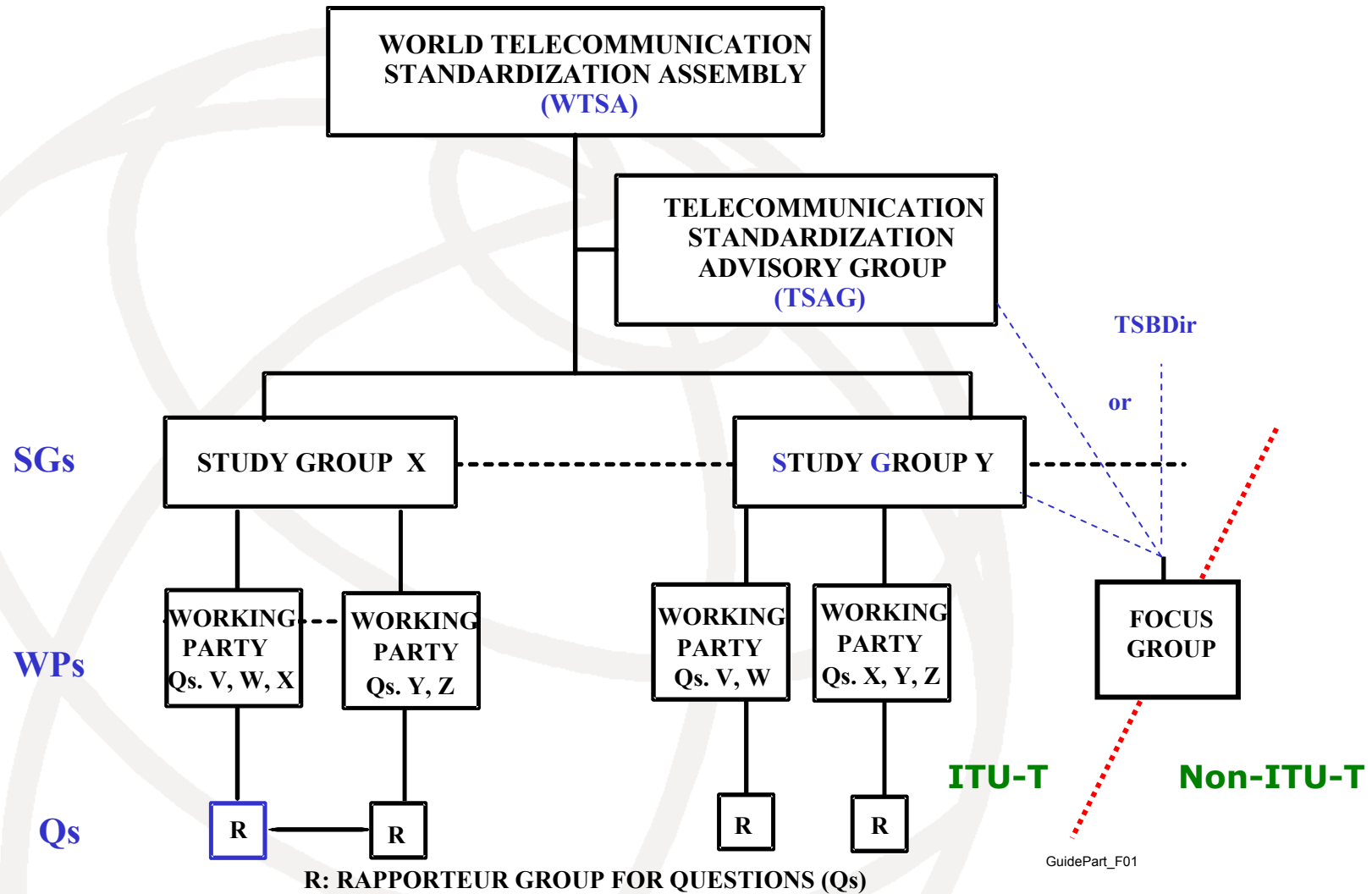| General Secretariat	ITU-T	ITU-R	ITU-D
	World Radiocommunication Conference Radiocommunication Assembly		
	World Telecommunication Standardization Assembly	World Radiocommunication Conference Radiocommunication Assembly	World Telecommunication Development Conference

- **ITU-T**: Telecommunication standardization on a world-wide basis on technical, operating and tariff Questions
  (The Secretariat of ITU-T (TSB) provides services to ITU-T Participants)

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

- **ITU-D**: Use and deployment of telecom networks and services in developing and least developed countries

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

ISO/IEC Joint Task Force on ITS Communications
Kyoto, Japan 24 August 2011

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ITU-T Structure

```
                    ┌──────────────────────────────────┐
                    │  WORLD TELECOMMUNICATION         │
                    │  STANDARDIZATION ASSEMBLY        │
                    │  (WTSA)                          │
                    └──────────────────────────────────┘
                                      │
                          ┌──────────────────────────────────┐
                          │  TELECOMMUNICATION               │
                          │  STANDARDIZATION                 │
                          │  ADVISORY GROUP                  │
                          │  (TSAG)                          │
                          └──────────────────────────────────┘
```

SGs STUDY GROUP X - - - - - - - - - STUDY GROUP Y - - - - - - - - -

TSBDir

or

WPs WORKING PARTY Qs. V, W, X - - - WORKING PARTY Qs. Y, Z   WORKING PARTY Qs. V, W   WORKING PARTY Qs. X, Y, Z   FOCUS GROUP

ITU-T   **Non-ITU-T**

Qs R   R   R   R

GuidePart_F01

R: RAPPORTEUR GROUP FOR QUESTIONS (Qs)

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ITU-T SGs (2009-2012)

No.	Title
SG 2	Operational aspects of service provision and telecommunication management
SG 3	Tariff and accounting principles including related telecommunication economic and policy issues
SG 5	Environment and climate change
SG 9	Television and sound transmission and integrated broadband cable networks
SG 11	Signalling requirements, protocols and test specifications
SG 12	Performance, QoS and QoE
SG 13	Future networks including mobile and NGN
SG 15	Optical transport networks and access network infrastructures
SG 16	Multimedia coding, systems and applications
SG 17	Security
TSAG	Telecommunication Standardization Advisory Group

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ITS & Telecom Development Activities in ITU-T

- **SG 2** Human factors related issues for improvement of the quality of life through international telecommunications (Q 4)

- **SG 11** *(Signalling requirements, protocols & test specifications)*

- **SG 12** Hands-free communication in vehicles (Q 4)

- **SG 13** Y.2281 "Framework of networked vehicle services and applications using NSN" (Q12)

- **SG 16** Vehicle Gateway Platform (Q 27)

  G.799.2 "Mechanism for Dynamic Cordination of Signal Processing Functions" (Q 18)

  HN and Multimedia Applications (Q 22 qnd Q 25)

  Accessibility to Multimedia Systems and Services (Q 26)

- **SG 17** *(Security)*

- **FG-CarCOM** Requirements on Hands-free speech communications and speech recognitions in the car

- **FG-Drivers Distraction**

    see details in following pages

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Overview of ITU-T FG Distraction

- **Why was FG Distraction created?**
  - United Nations Road Safety Collaboration (created by WHO)'s report "*Improving global road safety*"
  - ITU Council Resolution 1318 "ITU's role in ICTs and improving Road Safety"
  - ICTs under the scope of the ITU are being used from the automotive cockpit
  - External groups unlikely to adequately influence ITU-T Recommendations

- **Objective**

  "The objective of this focus group is to help optimize driving performance and reduce collisions by producing reports, providing input on ITU-T Recommendations, and corresponding with other Standards Development Organizations (SDOs) and Government/Industry forums."

- **Scope**

  "The scope of this focus group applies to ICT installed, connected, and nomadic devices, networks, and applications accessed from within the automotive cockpit of any road vehicle. These devices, networks, and applications are often provided by mobile phone manufactures, service providers, application authors, automotive OEMs, and automotive aftermarket suppliers."

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Current FG Distraction Work Plan

- **The following FG Distraction deliverables will help provide designers and developers of ICT systems with information they need to design, build, and verify these systems for safe use in the automotive environment:**

  - **P.UIA—Input for a new ITU-T Recommendation on Automotive User Interface requirements**
    - **Defines Application User reqts**
    - **Applies to all device types (vehicle, nomadic-paired, nomadic-not paired)**
    - **Applies to all modalities (visual, auditory, tactile)**
  - **G.SAM—Input for a new ITU-T Recommendation on mechanisms for managing the Situational Awareness of drivers**
    - **Controls timing of messages**
    - **Prioritizes messages**
    - **Sets format of messages**
    - **Etc.**
  - **G.AAPI—Input on a new ITU-T Recommendation on an automotive interface (e.g., APIs) for applications external to vehicle gateway**
    - **Mobile phone applications**
    - **ITS cloud applications**
    - **PNDs**
    - **etc.**

Note: Real opportunity to harmonize various regional/industry forum standards and guidelines.

- **This work should be coordinated with ISO TC 22/SC 13/WG 8**

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Looking forward to collaborate with you

Thank you

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Supplemental Information

Q27/16 Work Plan

Recommendation	Target Date
ITU-T [F.VGP-REQ] Service and functional requirements of vehicle gateway platforms (New)	2012
ITU-T [H.VG-OIF] Open interface between the vehicle gateway and ICT devices (New)	2012
ITU-T [H.VGP-FAM] Functional architecture model of vehicle gateway platforms (New)	2012
ITU-T [H.VGP-PRT] Service capabilities and protocols to support vehicle oriented services (New)	2012
ITU-T [H/F-Supp-VCF] Framework of vehicle based telecommunication (New)	2012

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