



International Telecommunication Union

Effective Harmonisation between SDO's

Bob Williams

Representing ISO

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Convenor 2 Working Groups in TC204

Editor 7 ISO Standards

Chair ETSI TG37 (ITS)

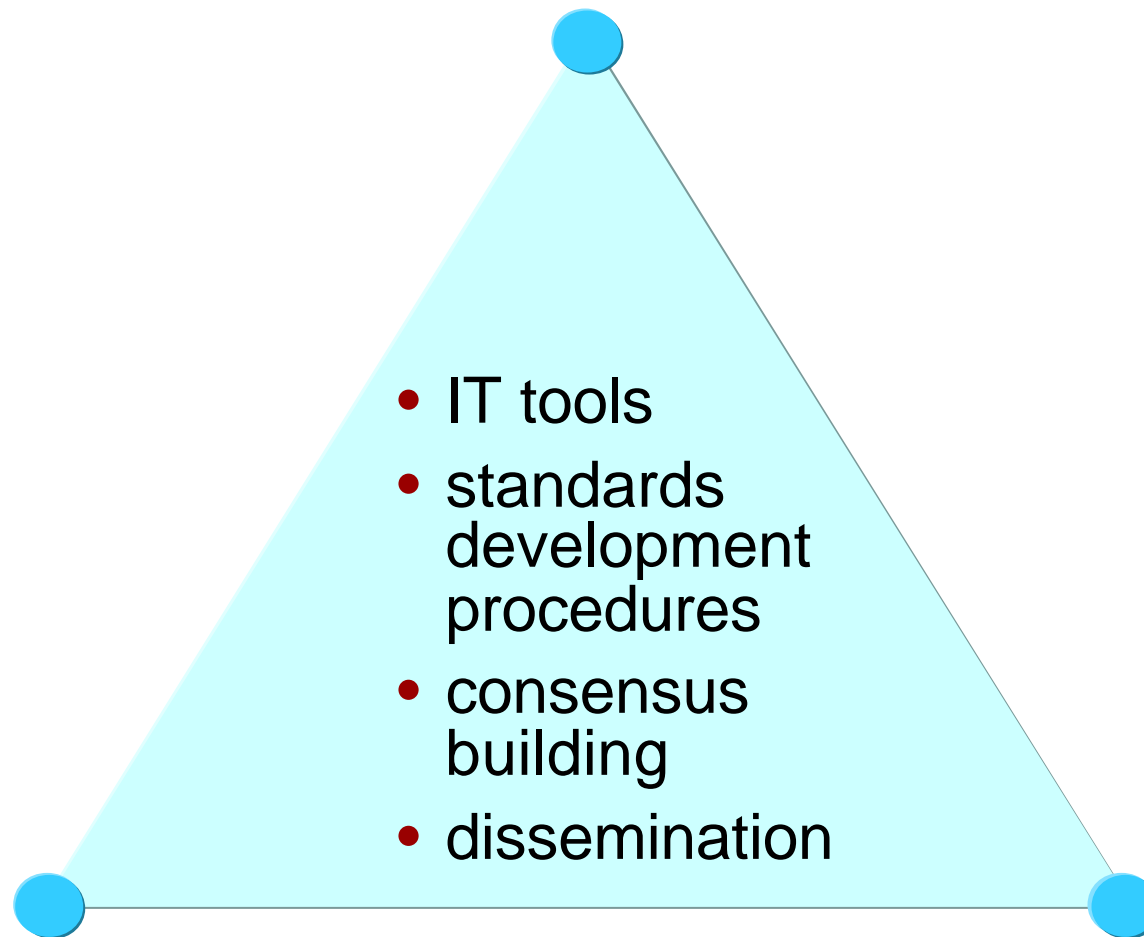
ITU-T Workshop on "The Fully Networked Car, A Workshop on ICT in Vehicles"
Geneva, 2-4 March 2005



ITU-T

What comprises ISO ?

147 national members



188 TCs
3 000 technical bodies
35 000 experts

Central Secretariat
160 staff

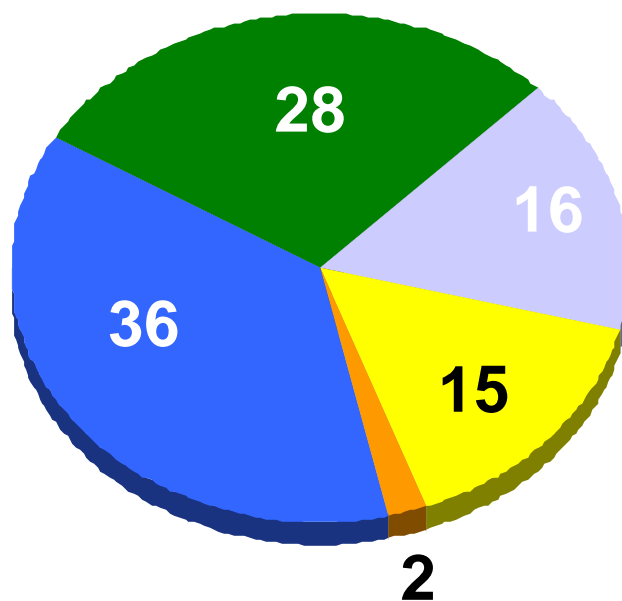
The Fully Networked Car, A Workshop on ICT in Vehicles
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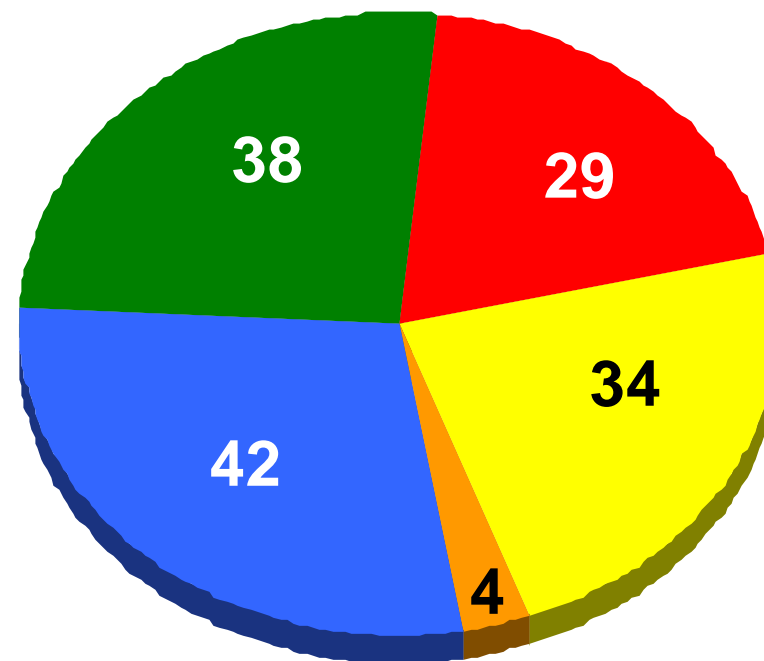
Distribution of ISO members per continent

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MB distribution per continent



MB+MC+MS distribution per continent



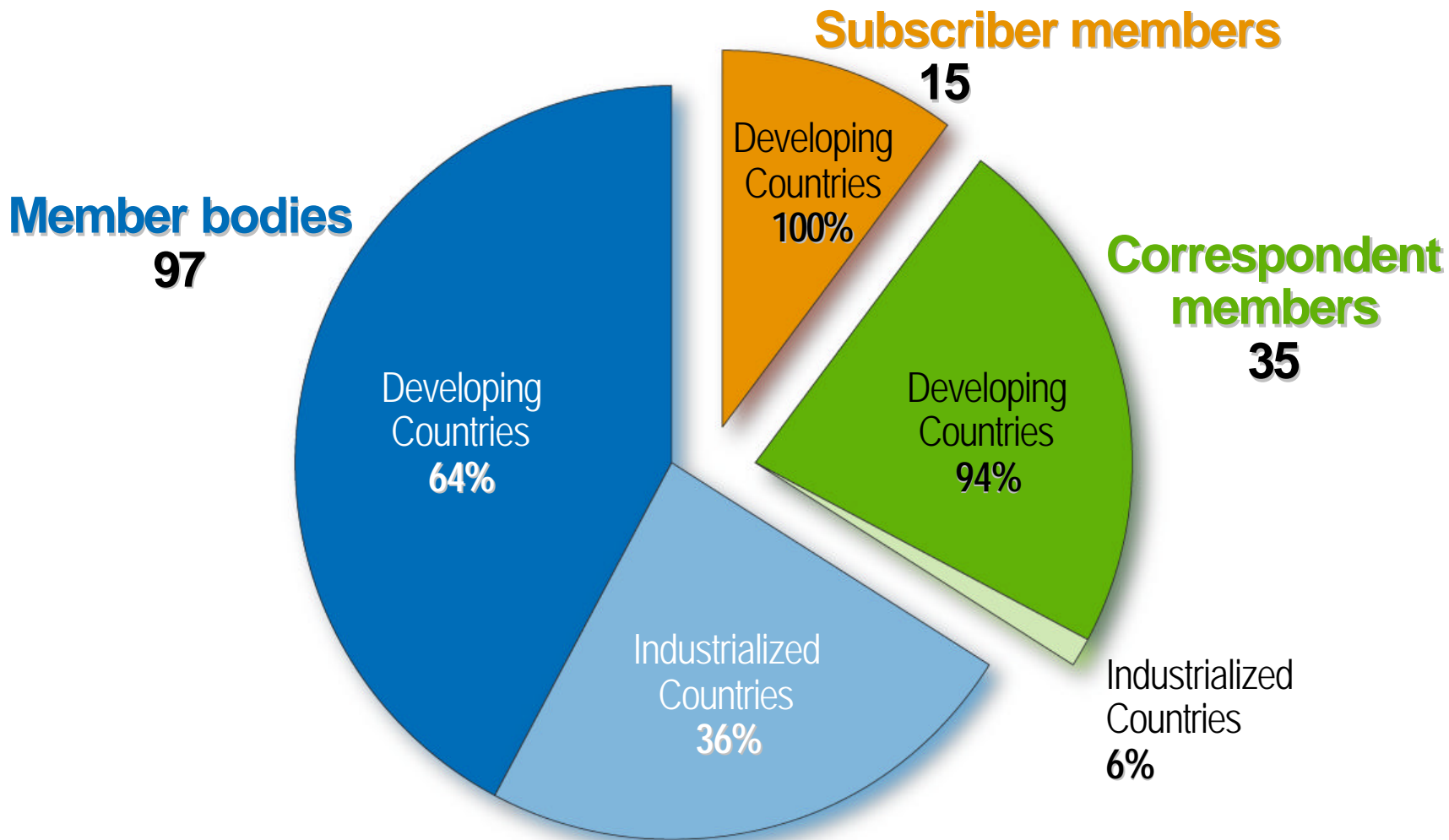
- Africa
- Americas
- Asia
- Oceania
- Europe

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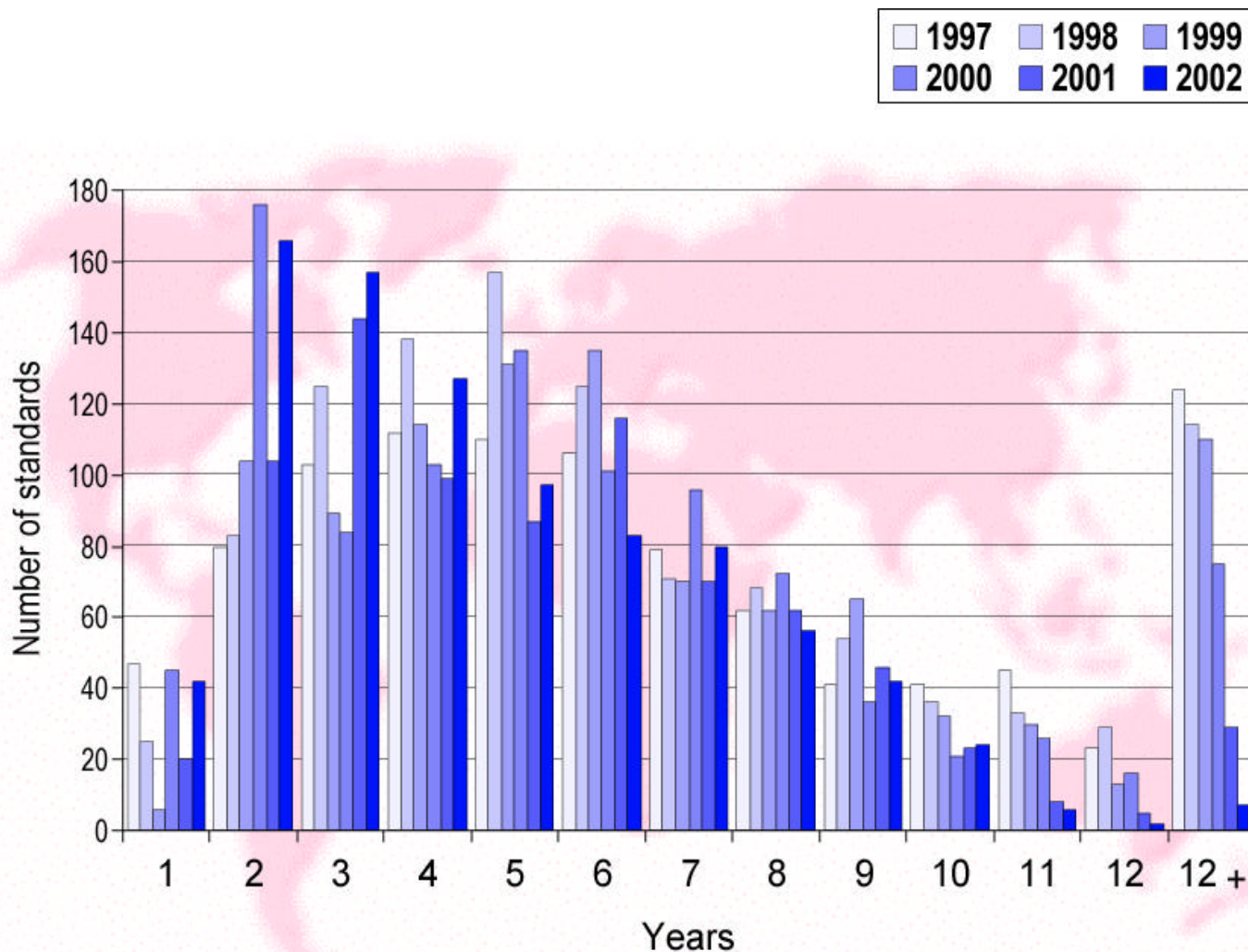
Developing countries in ISO





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Standards production times (Start-to-finish 1997-2002)



The Fully Networked Car, A Workshop on ICT in Vehicles
ITU-T Geneva, 2-4 March 2005

Our challenge :

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Producing and promoting market relevant international standards to facilitate global trade and support sustainable development, based on efficient and flexible processes, broad stakeholders input and optimal use of resources



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Adding value for our stake holders
**International and regional acceptance
and networking**

- Fully compliant with the **six WTO/TBT criteria** for international standards
- **Liaisons** with all major relevant international organizations
- Structured relations with **seven regional groups** of standardization bodies
- Regional Liaison Officers (RLOs)

Adding value for our stake holders
Strong national membership base

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- Building a true **international consensus**
- Providing mechanisms for **disseminating**, **implementing** and **maintaining** our standards
- Ensuring the **participation** of all interested stakeholders

ISO

: Contributing positively to globalization

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- Support to the implementation of the **WTO TBT Agreement**
- Standards for a **sustainable development**
- A growing involvement in **standards for services**
- A contribution to **security**
- Open standards for the **information society**
- Networking with **565** international organizations
- International Standards in support of **regional cooperation**



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ISO & Europe: the Vienna Agreement

- New Approach for eliminating TBT in the European Economic Area
- European legislation and importance of European Standards
- Single European Market
- Integration of the European Single Market into the global market



Vienna Agreement:

(signed in 1991)

Ensuring the equivalence (whenever possible) of International and European standards



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ISO & Europe: the Vienna Agreement *(cont.)*

Four main mechanisms for ensuring equivalence of ISO and European standards :

- Adoption of ISO standards by CEN
- Parallel approval of work items under ISO leadership (Vienna Agreement, clause 5.1)
- Parallel approval of work items under CEN leadership (Vienna Agreement, clause 5.2)
- Adoption by ISO of European Standards

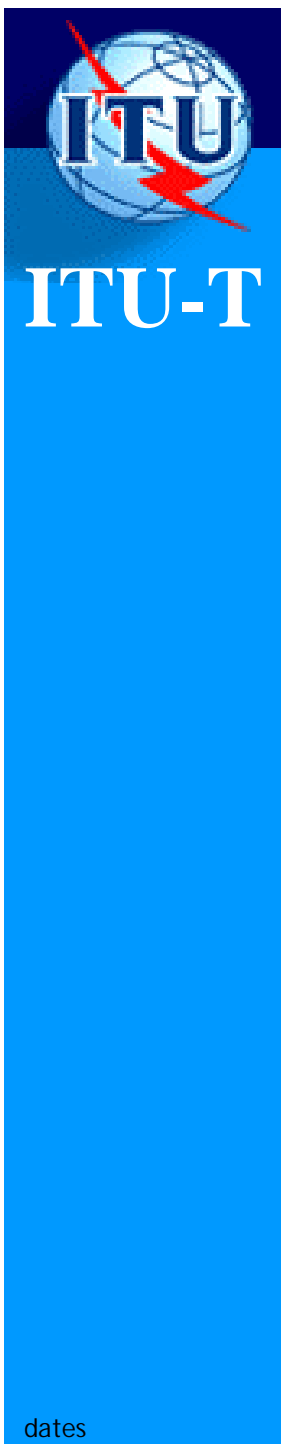


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Vienna Agreement situation

Last update : 2004-06-30

- **June 2004** : 2611 available CEN European standards and pre-standards are identical to ISO standards (28% of the total number of CEN European standards)
- **In 2003** : among 995 ISO Standards, 26% were published under the Vienna Agreement
- **Ongoing work**
 - Parallel approval
 - ISO lead 679
 - CEN lead 303



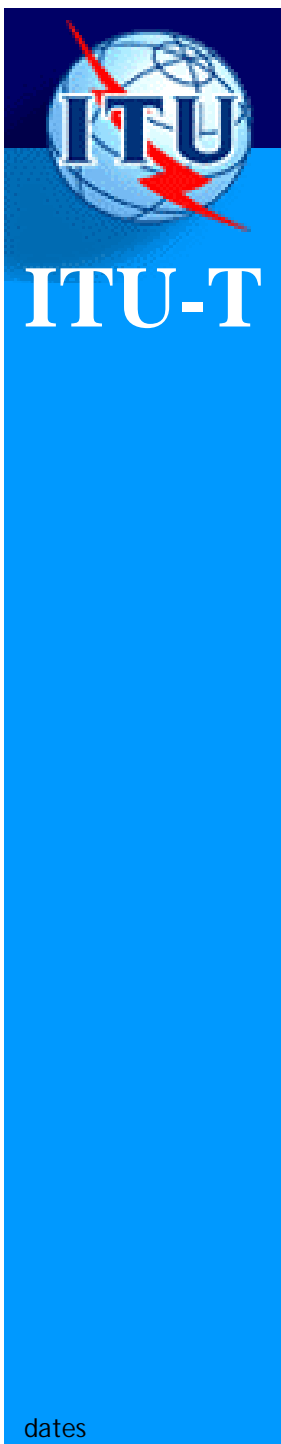
Harmonisation is not just about Institutions- it is about People

- So much for the formal structures
- But Standardization is not just about structures and procedures
- Standards are largely developed by volunteers
- And this relies on the companies behind these volunteers feeling that the investment is sound
- Different parts of Standards dealt with by Different SDO's can be wasteful on this scarce resource
- Nothing is more infuriating to a company that investing in a Standard only to find out that a different SDO has started similar work in a committee of a different SDO



Joint Working

- SDO's are separate for good reason- ITU has three global regions where the regulatory regimes are very different.
- ETSI specialise in Providing European Region 1 Telecommunications Standards
- IEEE specialise in Region 2 Standards
- IEC deal with Electrotechnical Standards
- ISO deal with Application Standards
- CEN deal with Application Standards with specific European requirements



Sharing WG's

- The Vienna Agreement enables ISO and CEN to work together on common work items -The ITS Committee- ISO TC204 provides good example of this.
- Of its 10 active working groups, 7 are common with CEN TC278.
- 4 of the WG's meet jointly
- 3 WG's regularly share documents



Common Resources

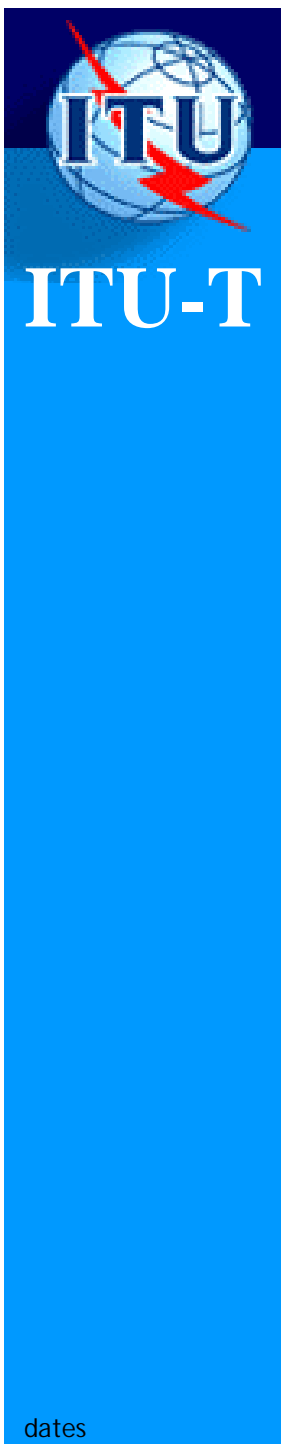
- I am making this presentation representing ISO as an active participant of CEN TC204
- But I am also here at this workshop as the Chair of ETSI TG37 (ITS)
- Using common resources enables us to avoid duplicating work
- Using common resources helps to ensure that WG's are well informed about docs in progress and deliverables of related groups



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In Intelligent Transport we are lucky

- ISO TC204 - CEN TC278 - ETSI TG37 work closely together, and jointly participate in an ITC SB Steering group
- ISO - CEN - ETSI - ITU participate in a panel that organises and manages the sharing of information
- That panel organised this workshop so that automotive manufacturers and OEM's have a single focus for, in this case the subject of ICT in Vehicles



The Future

- Collaboration, not competition, between SDO's
- More timely, market related, delivery of Standards
- Mutually supporting Standards environment
- Greater struggle to evolve the business model for SDO's



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ISO TC204 – Intelligent Transport Systems: Main Areas of Activity-1

- WG1: Systems Architecture, Data Registries, Glossaries. Support Tools to assist Standards development and implementation (e.g. Using XML in ITS Standards)
- WG3 Geographic Data Files, Physical Storage, Navigation system API etc
- WG4 : AVI, AEI, ERI
- WG5: Electronic Fee Collection
- WG7: Freight and Fleet- Data Dictionary and Message Sets, Hazmat



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ISO TC204 – Intelligent Transport Systems: Main Areas of Activity-2

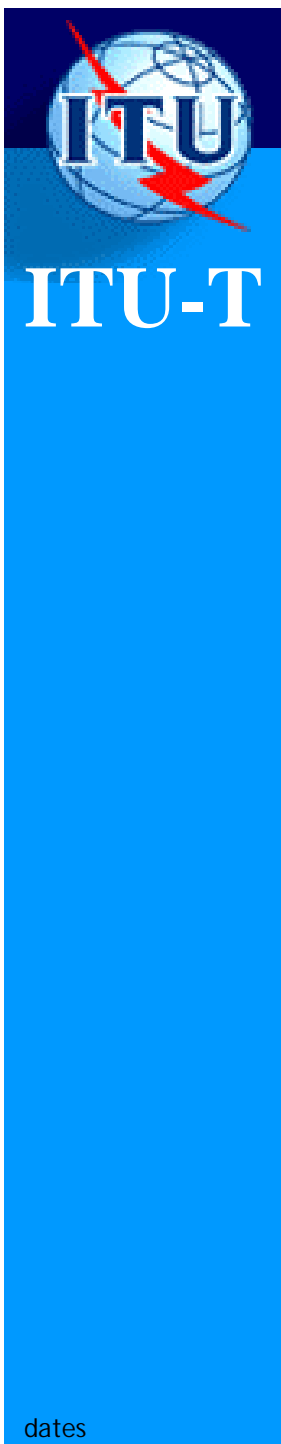
- WG8: Public Transport-Comms interface profiles, Standard numbering systems for PT, Public Transport Cabling, Data Dictionary for pre-emption and prioritization
- WG9: Data Interfaces, Data concepts, & Data exchange between TMC's
- WG10 : TTI- Messages, coding protocols via several media, TPEG etc



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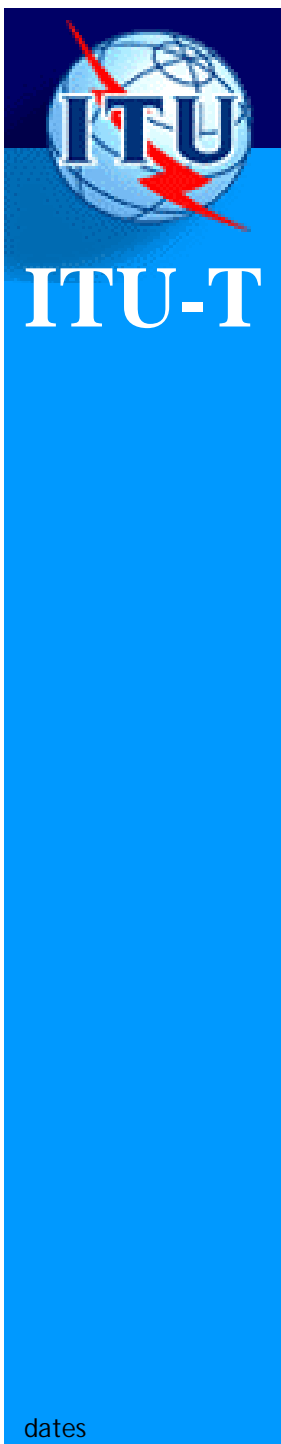
ISO TC204 – Intelligent Transport Systems: Main Areas of Activity-2

- WG11_ Navigation Systems and route Guidance
- WG14- ADAS- Warning systems- obstacles, lane departure etc., collision avoidance, etc
- WG15- Dedicated Short Range Communications Communications
- WG16- Wide Area Communications incl Message Protocol Management and headers, CALM (quasi continuous communications with and between vehicles and infrastructure) etc.



ISO TC22 Road Vehicles

- o My Colleague , Mr . Jean - Pierre **Cheyne** ,from ISO TC22 will summarise the activities of their committee at the end of my presentation



Thank you for listening- enjoy the workshop



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