

Executive Session ES04

EFFICIENCY

Moderator: Ivar Christiansen, ITS Norway

Mr. Carlo di Taranto, Mizar, IT

Mr. Rudolf Dieterle, Federal Road Office, CH

(Mr. Jauffrey Faustini, Autoroutes Trafic, F)

Mr. Knut Evensen, Q-Free, N

Mr. Peter Kortenhorst, Connexion, NL

SPEAKERS

EFFICIENCY (from the programme)

- Potential for increased efficiency is enormous
- Cooperative Traffic Management
- Extended floating car data
- Advanced Fleet Management
- Logistics
- Business Models and Financing
- Stakeholder roles

EFFICIENCY

...many aspects to consider

- Efficient for society, for transport operators or for customers ?
- For the road sector or all modes of transport ?
- For co-modality ? (Intermodal transport chains)
- In terms of distributed solutions rather than centralised ? (For instance traffic management)
- In terms of cost/benefit, time, punctuality, available resources, energy use, environment & emissions ? (Green efficiency)

ITS must deliver an **overall** Transport Efficiency

Efficient technology is not enough

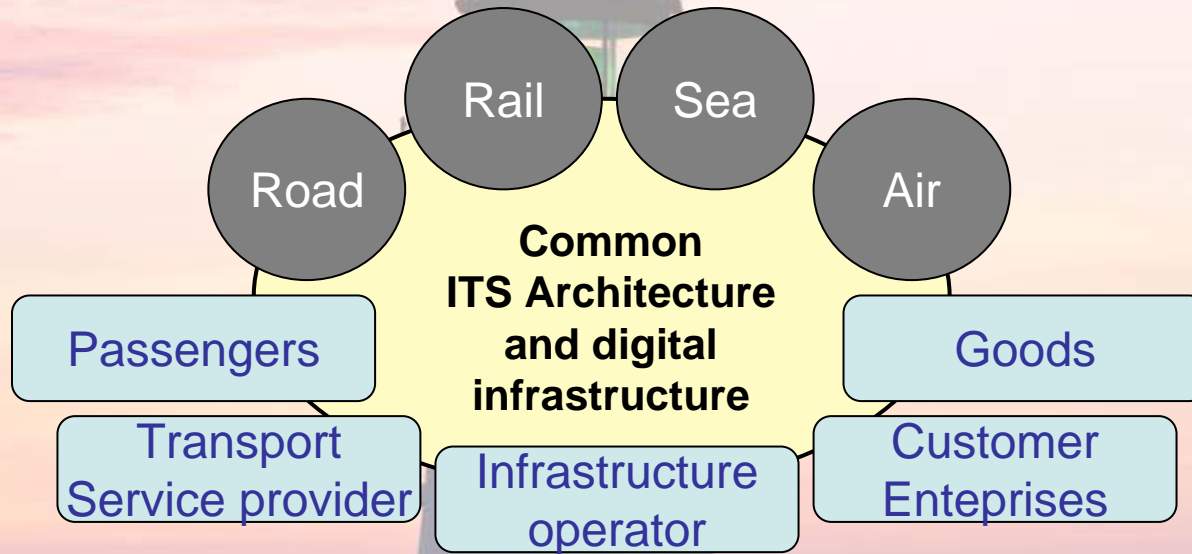
- Interoperability and continuity of services
- Intermodality, optimal use of available networks
- Innovative and cost-effective solutions (like EFC)

And we must take into account compensation and recoil effects as well as legal constraints

We need:

- New value chains and business models
- And we need: A common European ITS Architecture

Our Vision: The Multimodal ITS

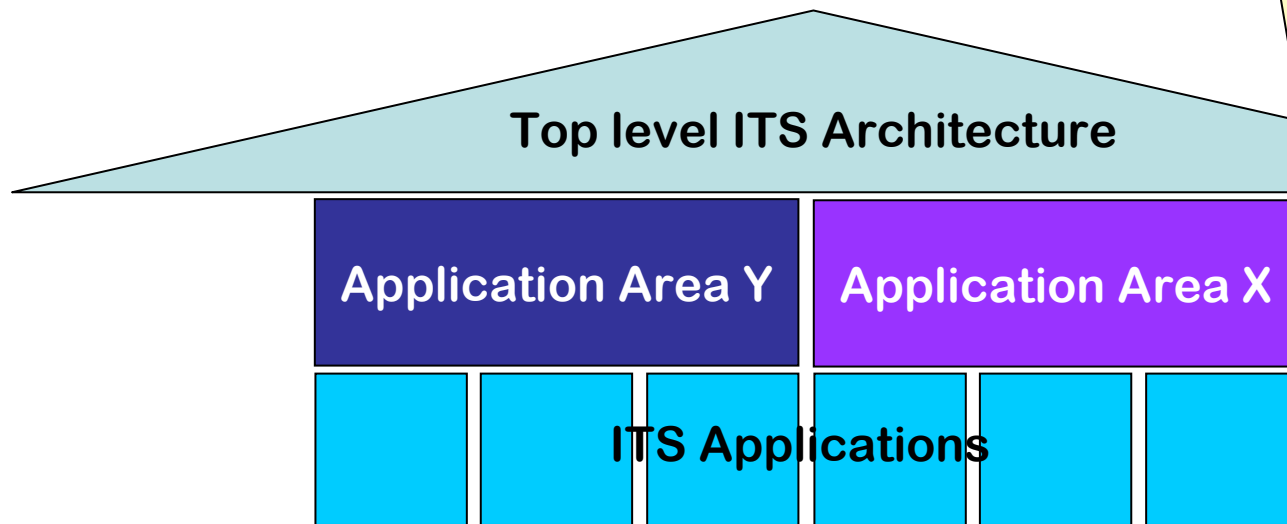


- ✓ ITS has a market in all transport modes
- ✓ Interoperability and standards are key elements
- ✓ Multimodal ITS supports green efficiency
- ✓ ITS top-level architecture reduces the complexity

ITS EFFICIENCY

- We need a top-level generic ITS architecture
- Stakeholders and application areas must use it
- Lower levels, technical aspects and information elements must be dealt with in systems architectures and specifications

The complexity must be reduced
Simplification is possible
(ARKTRANS)



ITS Architecture in Europe

- *The way forward*



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