

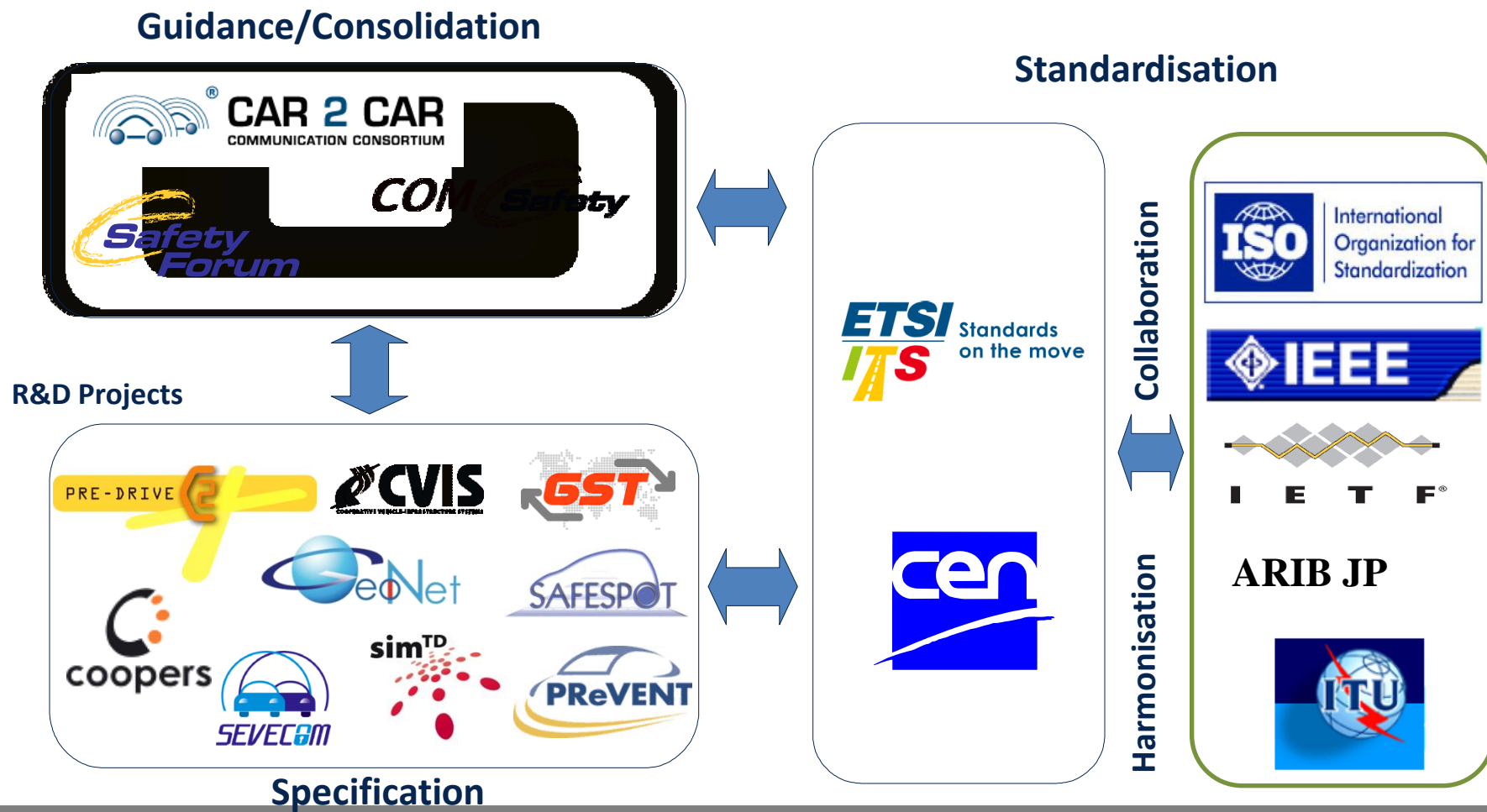


ITS Standardisation

Søren Hess
Chairman ETSI TC ITS



Standardisation environment



European Standards organisations

ETSI TC ITS

WG 1 Application requirements

WG 2 Architecture
Cross layer issues

WG 3 Transport and Networks

WG 4 Media and media related

WG 5 Security

CEN TC 278

WG 1 Electronic Fee Collection (Sweden)

WG 3 Public Transport (France)

WG 4 Traffic and Travel Information (UK)

WG 8 Road Data (Netherlands)

WG 10 Human-Machine Interfacing (Germany)

WG 12 AVI/AEI (Norway)

WG 13 Architecture and Terminology (UK)

WG 14 Recovery of stolen vehicles (UK)

WG 15 e-safety (UK)

WG 16 Cooperative systems (Germany)

Standardisation Mandate 453

Cooperative systems for Intelligent Transport within EU

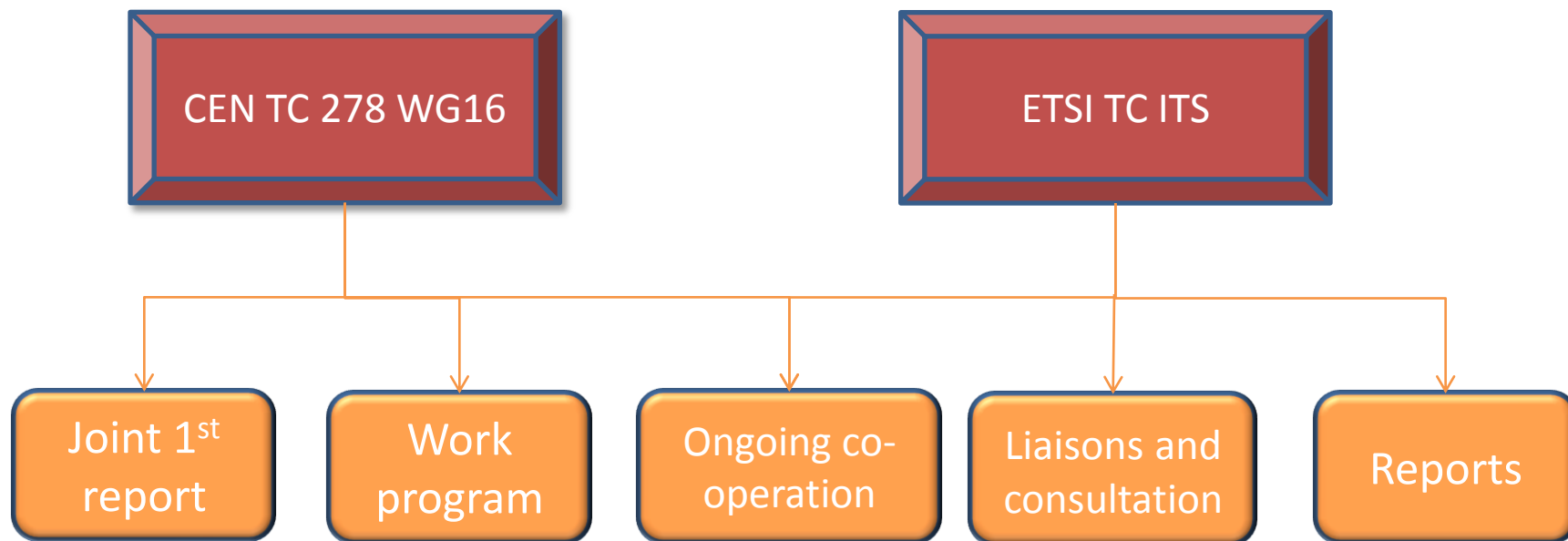
Minimum set of standards

Safety
Sustainability
Traffic efficiency

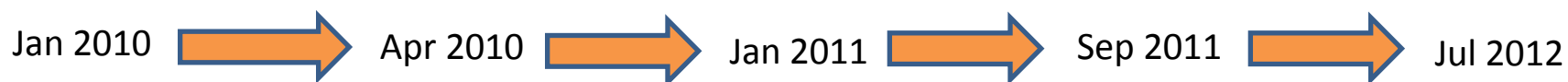
Communication
Information
Security

- CEN and ETSI cooperation
- Conformance and interoperability tests
- International coordination
- Consultation and liaison with stakeholders – industry – R&D

Cooperation CEN – ETSI on Mandate activities



Reporting to the European Commission



1st Mandate report

Objective and policy background

Definition of co-operative ITS

Spectrum issues – legal environment

Standardisation environment

- CEN – ETIS activities
- Relation to European R&D projects – FOTs and industry
- Relation to other standards organisations

Work program – minimum set of standards

- Allocation of responsibility
- Potential functionalities and economic impact
- Roadmap for execution of plan
- CEN-ETSI cooperation
- Liaison and open consultation
- Financial support requirements

Minimum set of standards

General Standards (4)

- Architecture
- Common data dictionary

Testing conformance and interoperability

Applications – V2V and V2I (10)

Facilities (15)

- CAM and DNM
- LDM
- HMI support

Network and Transport (11)

Access and media (5)

Management (7)

Security (12)

**Work Items and STF proposals
12-16 April 2010**

Allocation of responsibility

General standards

Communication architecture ETSI

Framework architecture CEN

Common data dictionary C+E

Application standardisation

CEN with some ETSI involvement

Facilities

ETSI with some CEN involvement

Network –transport - GeoNetworking

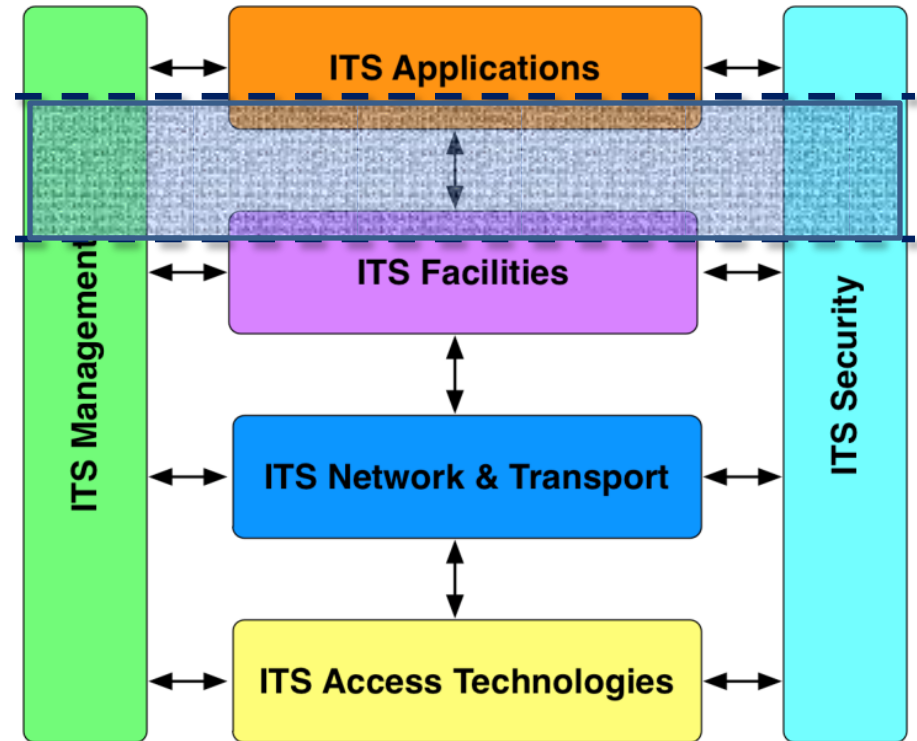
ETSI

Access and media

ETSI

Management and Security – ETSI

Test specifications - ETSI



Cooperation CEN - ETSI

- Clear division of responsibility for WIs
- Cross participation by CEN/ETSI members
- Observer status for particular work items
- Document distribution upon agreement with TC chairs

- Open portal providing process information
- TC and WG chairmen coordination

- European Commission led coordination group
- ITS SG monitoring activity
- Coordination of reports to the European Commission

Stakeholder contacts and program



Worldwide harmonised standards

Joint EU – US DOT

- Standardisation
- Evaluation and comparison
- Recommendations
- Joint working group

Cooperation between SDOs

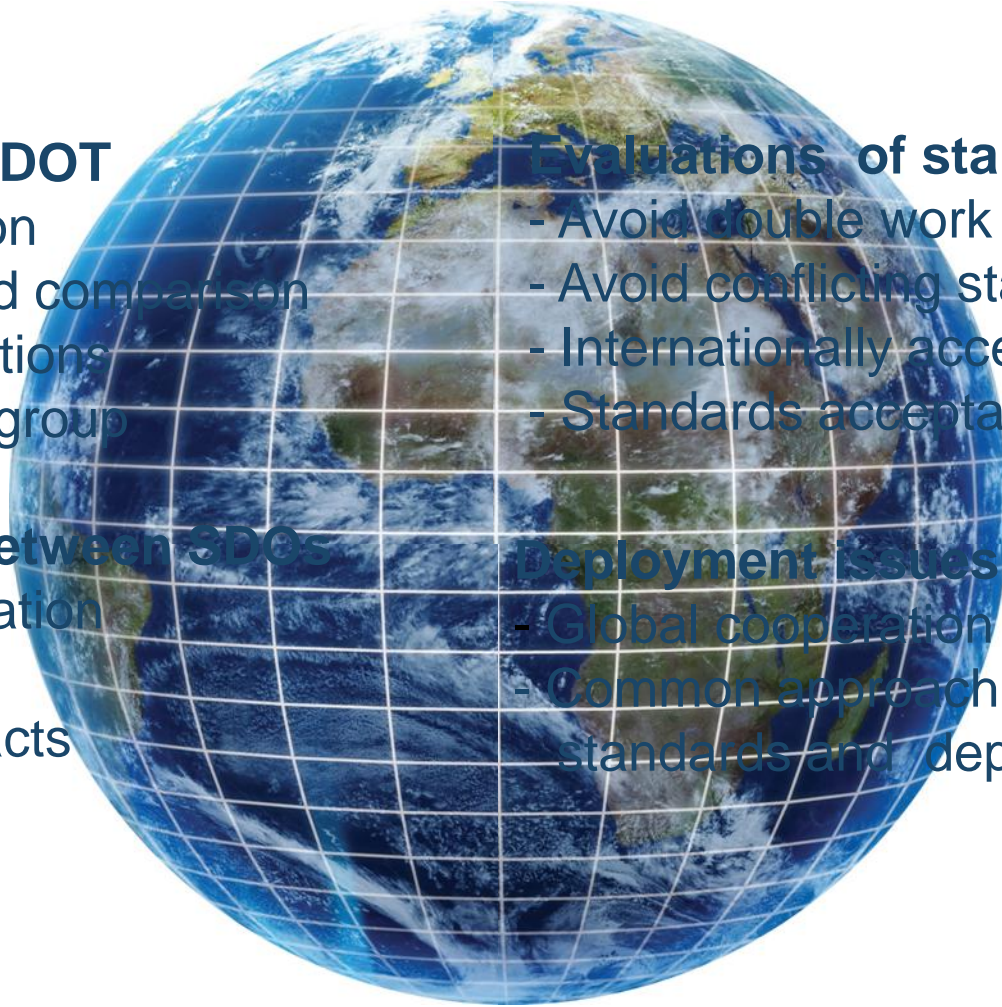
- Cross participation
- Joint activities
- National contacts

Evaluations of standards

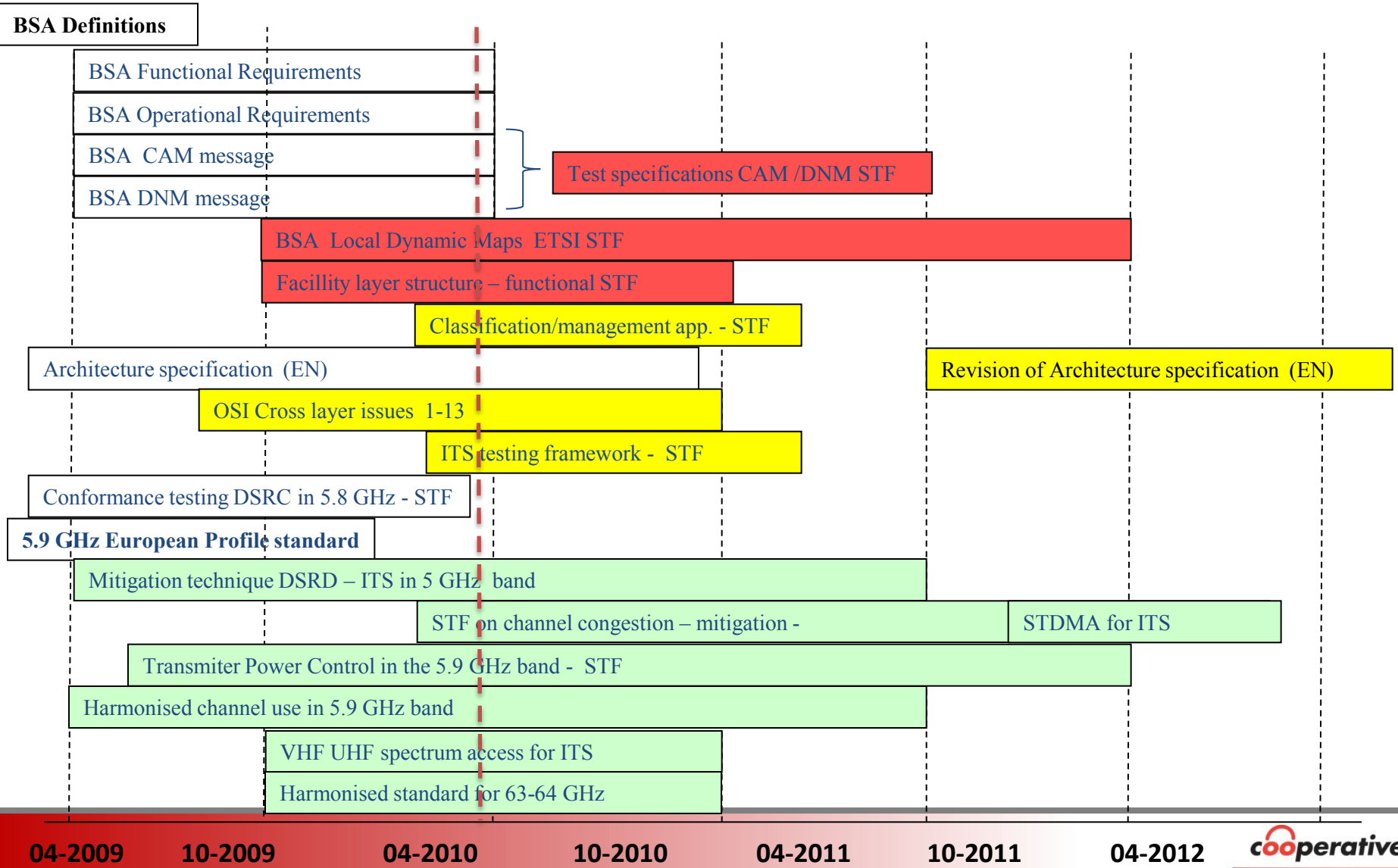
- Avoid double work
- Avoid conflicting standards
- Internationally accepted standards
- Standards acceptable to Europe

Deployment issues

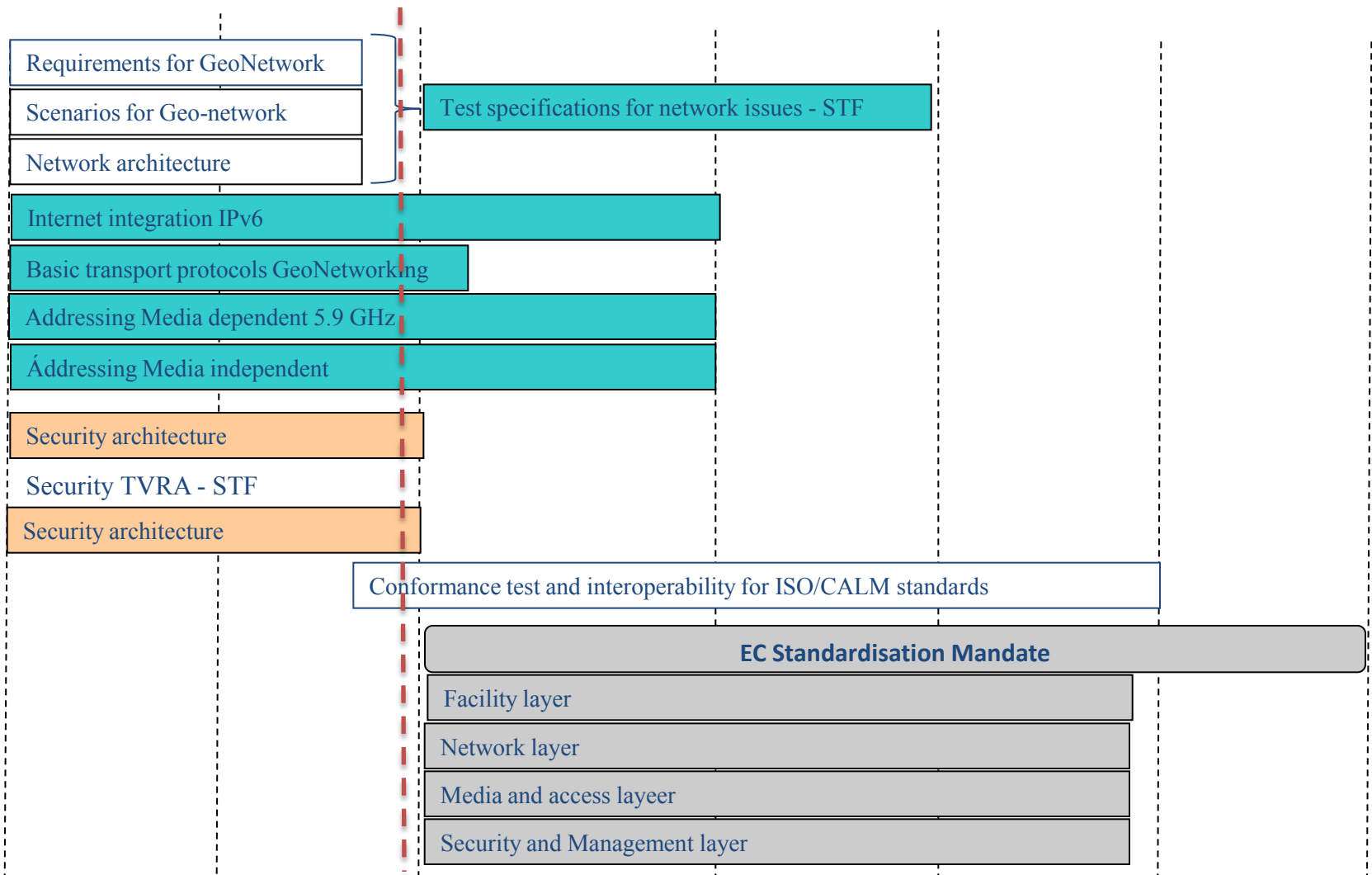
- Global cooperation - global market
- Common approach to standards and deployment



ETSI standardisation roadmap



ETSI standardisation roadmap



04-2009 10-2009 04-2010 10-2010 04-2011 10-2011 04-2012

Standardisation



150.000 applications from app-store

**Public private partnership for standardisation and deployment
automotive – road administrations – service providers**

Joint approach EU – US – Japan – Korea.....

Yes we can....