Round Table model

C-ITS Projects

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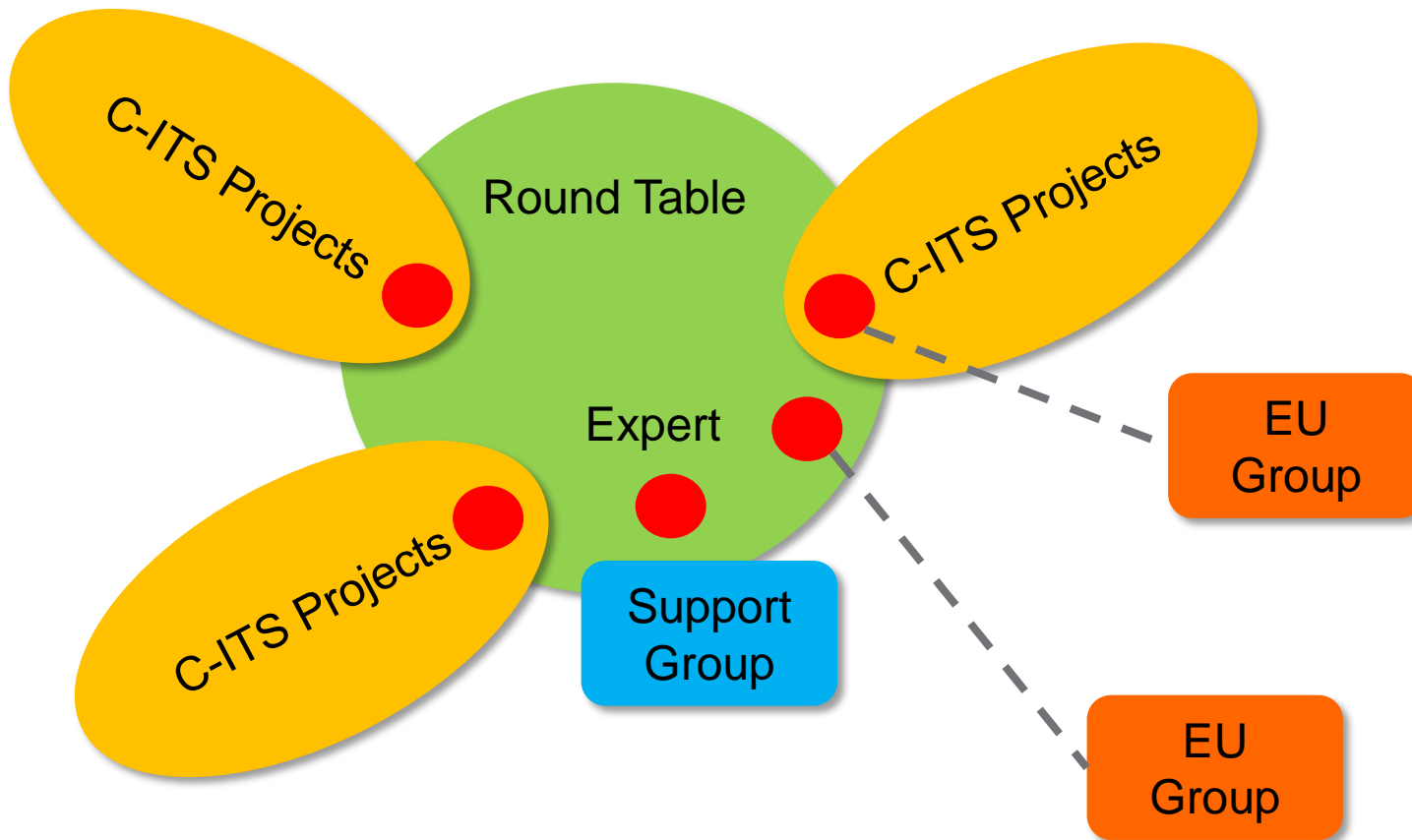
Round Table

Expert

Support Group

EU Group

EU Group

Holland.

Application Layer

ETSI TS 102 638 Basic Set of applications (BSA)

ETSI TS 101 539-1 Road Hazardd Signaling (RHS)

Management Layer

ETSI EN 302 665 V1.1.1 Comm. Architecture

ETSI TS 102 965 ETSI TC ITS Registration list

Facilities Layer

ETSI EN 302 637-2 Cooperative Awareness Message (CAM)

ETSI EN 302 894-1 Facility Layer Structure

ETSI EN 302 894-2 Common Data Dictionary (CDD)

SAE J2735 Signal Phase and Timing & MAP (SPAT/MAP)

ETSI EN 302 895 Basic Local Dynamic map (LDM) (Vehicle orriented)

ISO TS 17419 ITS-AID (Application ID)

ETSI EN 302 637-3 Decentralized Enviromental Notification Message (DENM)

ETSI TR 103 300 Vulnerable Road Users (VRU)

ISO TS 19091 SPAT (Signal Phase and Timing) message , MAP

ISO TR 20025 Probe Data Application and System requirements

ISO TS 18750 Extended Infrastructure oriented Local Dynamic map (LDM)

ETSI TS 103 301 Facility Protocols

Networking and Transport Layer

ETSI EN 302 636-1/2/3 GeoNet Requirements and scenarios

ETSI EN 302 636-4-1 GeoNetworking Media Independent

ETSI EN 302 636-5-1 Basic Transport protocols

ETSI EN 302 931 Definition of GeoAdres

Access Layer

ETSI EN 302 663 Profile standard on European on ITS G5

ETSI TS 102 687 PHY/MAC Congestion control

ETSI TS 102 724 ITS G5 channel configuration

ETSI EN 302 571 Radiocommunications equipment operating in 5855-5925 MHz

ETSI TS 102 792 Mitigation techniques to avoide interference CEN DSRC/ITS-G5

IEEE 802.11 Lower Layer specifications (ensuring ITS in 5.9 GHz)

Security Layer

ETSI TS 102 867 Security mapping for IEEE 1609.2

ETSI ES 202 910 Identity management and protection in ITS

ETSI TS 102 941 Identity, trust, and privacy (and update)

ETSI TS 102 942 Access control, secure and privacy preserving services

ETSI TS 102 943 Confidentiality Services, (and update)

ETSI TS 103 097 Security header and certificate formats for ITS G5

ETSI

CEN/ISO

SAE

IEEE

To Contribute

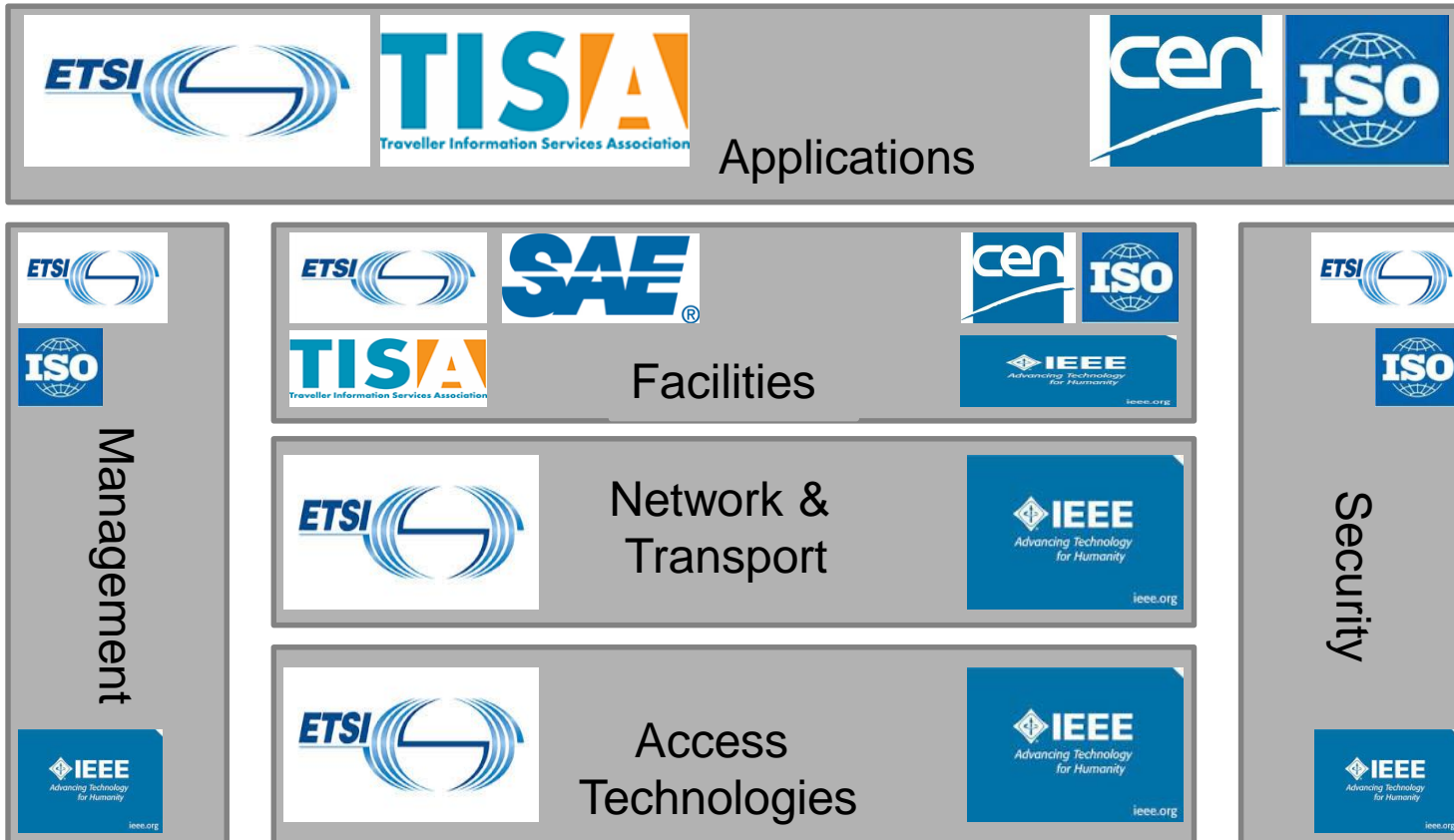To be reviewed

Lead Contribute

To be checked

Clarification of use

No contribution

Monitor change

EU- World Standardisation Bodies

Connected and Cooperative

Dutch stakeholders active at EU-World Standardisation Bodies

Imtech - testing specifications *(TC ITS)*
Siemens(A), Swarco(D+I) - Access and Facilities *(TC ITS)*
NXP– Access, Security and Management layers *(TC ITS)*
TASS – Testing / Interoperability *(TC ITS and Plugtest)*
TNO – All layers (*3GGP, M2M, TC ITS VC at WG1 and WG3*)

RWS, Imtech, Siemens(A), Swarco(D+I), TNO - SPAT-MAP
RWS, TNO, MAPtm - IVS, IVI
TNO – ProbeData, LDM Infrastructure
RWS – Convenor of ETS CEN TC 278 (Lex Eggink)

TomTom – TMC, TPEG
BE-Mobile – TPEGM (C-ITS related)
TNO – TMC, TPEG
RWS – DATEX II

TNO – IEEE 802.11 (Spectrum Sharing)

Siemens(A), Swarco(D+I) - SPAT-MAP
TNO – VRU, C-ACC, Basic Set of applications

Industry Dutch Specifications

IVERA
DVM-Exchange

Bringing to standardisation

Standardisation Contribution Interest
(interviewed and known stakeholders)

Logo	Description
Rijkswaterstaat - Ministerie van Verkeer en Waterstaat	**RWS** focus on I2V application only. Contribution can be expected in facilitating standardisation contribution esspecially towards ISO/CEN through leading CEN TC 278 and participating in WG16, DVM-Exchange
Imtech	**Imtech** focus on the application and facility aspects. There where this is influenced by lower layer aspects they also see contribution desired. Depending on priorities contribution based on available knowledge can be expected to to ISO/CEN, ETSI and IVERA.
BeMobile. BeFast.BeRdiable.BeMobile Now	**BeMoble** focus is on LDM and TPEG. Further contribution possible in further deployment in Benelux and see themselves contributing to TISA.
SIEMENS	**Siemens** focus mainly on the application and facility aspects from out of Germany and Austria with similar concerns then Imtech. They expect to continue their contribution to ISO/CEN, ETSI and IVERA.
swarco	**Swarco** focus is no the application and facility aspects from out of Germany and Italy. They expect to continue their contribution to ISO/CEN and ETSI.
TOMTOM	**TomTom** focus is no the application, facility aspects and participations to TISA may be expected.
NXP	**NXP** focus is on MAC/PHY and Security related aspects and when needed interested to participate in related subjects at ETSI and possibly IEEE.
MAP TRAFFIC MANAGEMENT	**MAPtm** expertise is on Traffic related applications and data exchange and can support the Standardisation Agenda with participation to ISO/CEN and ETSI.
TNO	**TNO** expertise ITS architecture, security and ICT layer as well as traffic application algorithms. TNO is European focussed and connected and can contribute at manageral as well as on specification standardisation to all SDO's

Holland.

Standardisation & Profiling overview