“Internationale Verankering”
D2.3
Worshop 8 september 2016

BY Paul Spaanderman (PaulsConsultancy)

Beter Benutten AutomotiveNL DITCM Innovations Connekt Connecting Mobility Holland.

European Connection Agenda

10:00 Welkom en vaststellen van de agenda
10:05 Voorstelronde
inventarisatie **wie** is waar internationaal betrokken?
10:15 Introductie: interoperabiliteit
10:30 *Opdracht 1: identificeren **wat** internationaal te standaardiseren onderwerpen*
11:00 Overzicht internationaal belang vanuit perspectief Overheid (Marcel Otto)
11:20 Samenvatting *Opdracht 1*
11:40 Koffie
11:50 Overzicht relevante internationale gremia
12:00 *Opdracht 2: identificeren **waar** vertegenwoordigd te zijn*
12:30 Samenvatting opdracht 2
12:45 Conclusies, acties en agenda
13:00 Einde

Introduction

Report

C-ITS DEPLOYMENT IN THE NETHERLANDS

European Interoperability

Draft V0.8

European Interoperability & Conformity

European ITS Interoperability & Compliance

- ✓ *To be able use the same functions all over Europe seamlessly!*
- ✓ *To Realize Robust ITS*
- ✓ *To reach best benefit and cost ratio for public sector*
- ✓ *For lowest costs!*
- ✓ *To enable an open European market*

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European ITS Interoperability & Compliance
How to achieve?

When ITS stations need to understand each other, they need to speak the same language, use the same words, speak known sentences, while using the same Media!

Standards provide a bases. They are enabling and ensure further innovation. Therefore they are specific but open and general.

Example: In the CAM standard the sentence format and many possible information elements (words) are formulated but the sentences to be exchanged are not defined and how and when they are sent is not fixed.

European ITS Interoperability & Compliance, What?

AT all layers

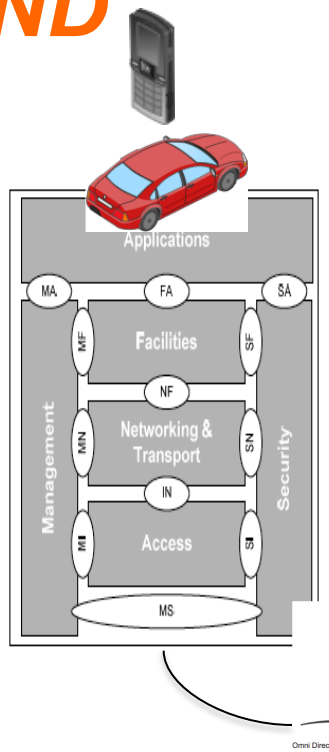
END

CAR OEMs
Service providers

Tier-1 suppliers

Functionality providers

Technology suppliers
Soft- & Hard-ware



Use-Cases
Applications
Facility Services
Prioritisation
Networking
Access sharing
Channels
Air Fairness
Area Covered
Spectrum
Security

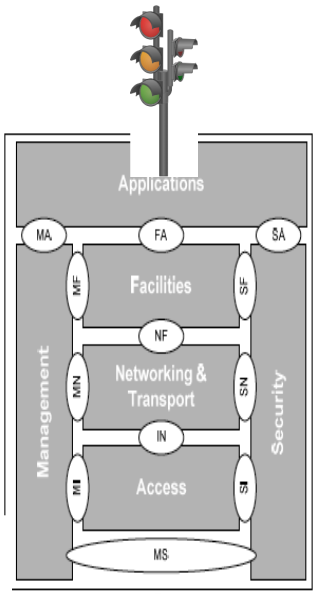
END

Road Operators & Authorities
Service providers

Infrastructure OEMs

Functionality providers

Technology suppliers
Soft- & Hard-ware



Spectrum regulation

Security/Privacy regulation

All to Profile

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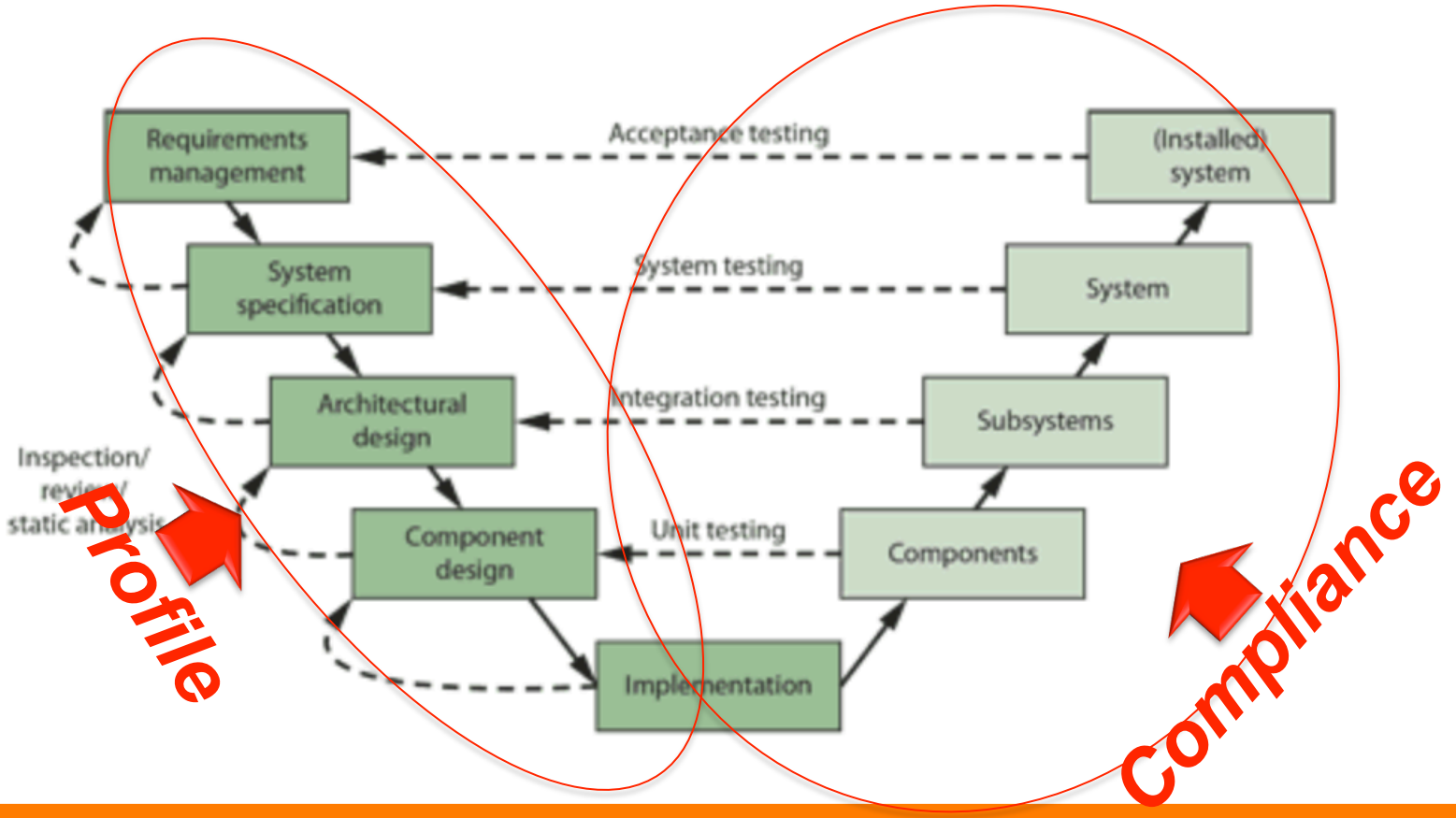
European ITS Interoperability & Compliance, What Else?

V development process!



Certification

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European Profiling activities

Where are we today?

Initiatives

- **The EU ITS-platform:** Providing an ITS European framework, recommendations and legislation
- **Amsterdam Group:** Use cases, applications towards deployment
- **Corridor project (NL+D+A):** RWW use case focussed + use of C2C-CC technical profile
- **Scoop@F (F):** RWW functional + use of C2C-CC technical profile + additional use cases
- **Czech Republic ITS deployment:** RWW use case + use of C2C-CC technical profile
- **Nordic Way:** Cellular based, use cases other technical profile
- **UK Connected Corridor A2/M2:** Cellular based, use cases other technical profile
- **Austria (Eco-AT):** Additional use cases + use of C2C-CC tech. profile
- **Dutch Profile (DP by DITCM):** Generalized Dutch approach supporting all Dutch projects including additional use cases
- **C2C-CC:** Full automotive profile and compliance

At this moment the focus is mainly on functional aspects, except for C2C-CC where also technical V2V profiling for interoperability is realized.
No single "ALL STAKEHOLDER, EUROPEAN PROFILING APPROACH" yet.

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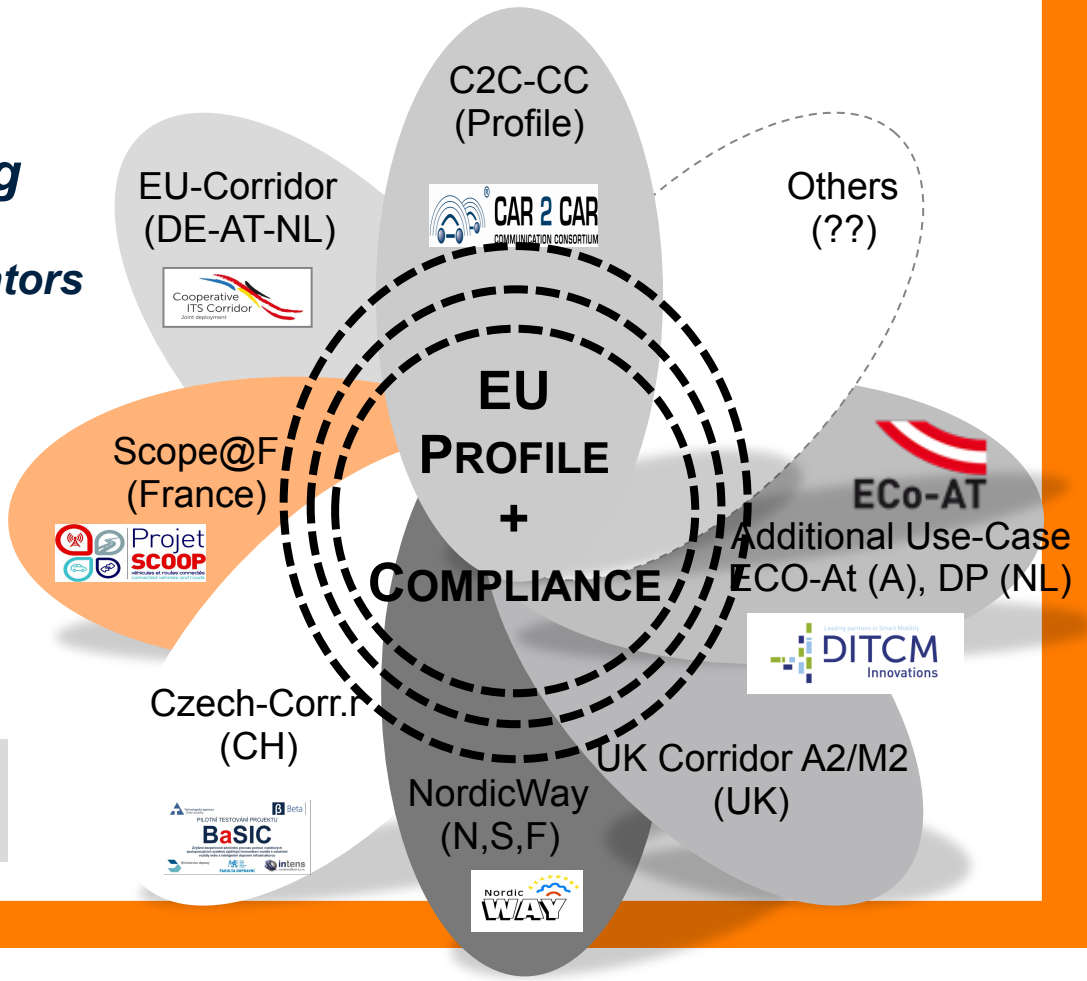
Organising European Profiling How?

2 levels:

1. ***Main stakeholders Profiling***
   - ***Country Profiles***
     Authorities/Road & City Operators
   - ***eeds***
   - ***C2C-CC Compliance***
   - ***Cellular viders***
2. ***European Profiling***
   - ***EU Commission***
   - ***C-roads proposal***
   - ***InterCor proposal***

Continuous process

EU ITS Roadmap



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European Connection Agenda

Exercise 1

What are the important aspects to align with Europe

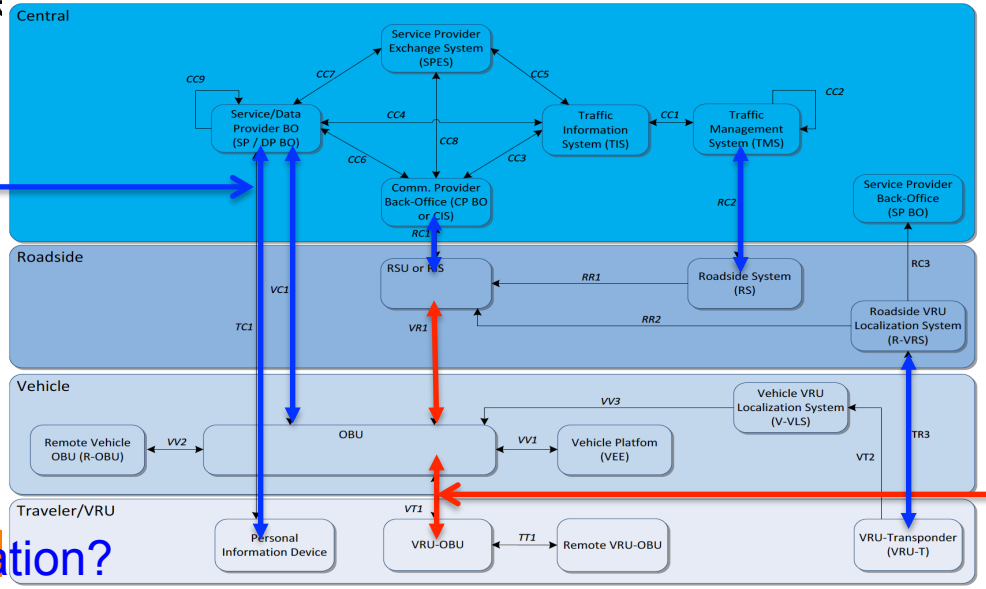
European Connection Agenda

Exercise 1

What are the important aspects to align with Europe

- Which elements would we like to get from Europe
- Which elements do we think we want to bring in to Europe

What to align
From other
Interfaces &
Processes ?



AT all layers

Use-Cases
Applications
Facility Services
Prioritisation
Networking
Access sharing
Channels
Air Fairness
Area Covered
Spectrum
Security

?

Now Functional only

Hybrid Communication?

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European Connection Agenda

Exercise 1

What are the elements we need to align in Europe

- Which Functions?
  - *Use-Cases?*
  - *Applications?*
  - *Facility Services?*
  - *Security/Privacy?*
- Which interfaces?
  - *ITS-G5?*
  - *VLOG?*
- Which Technical specifications for these interfaces?
  - *Prioritisation on network?*
  - *Networking?*
  - *Access sharing?*
  - *Channels?*
  - *Air Fairness?*
  - *Area Covered?*
  - *Spectrum?*
  - *Security?*
- Which Processes?
  - *Security?*
  - *End2End Interoperability?*
  - *Conformity?*
  - *Roles and responsibilities?*

European Connection Agenda

Exercise 1

What are the important aspects to align with Europe

Results

European Connection Agenda

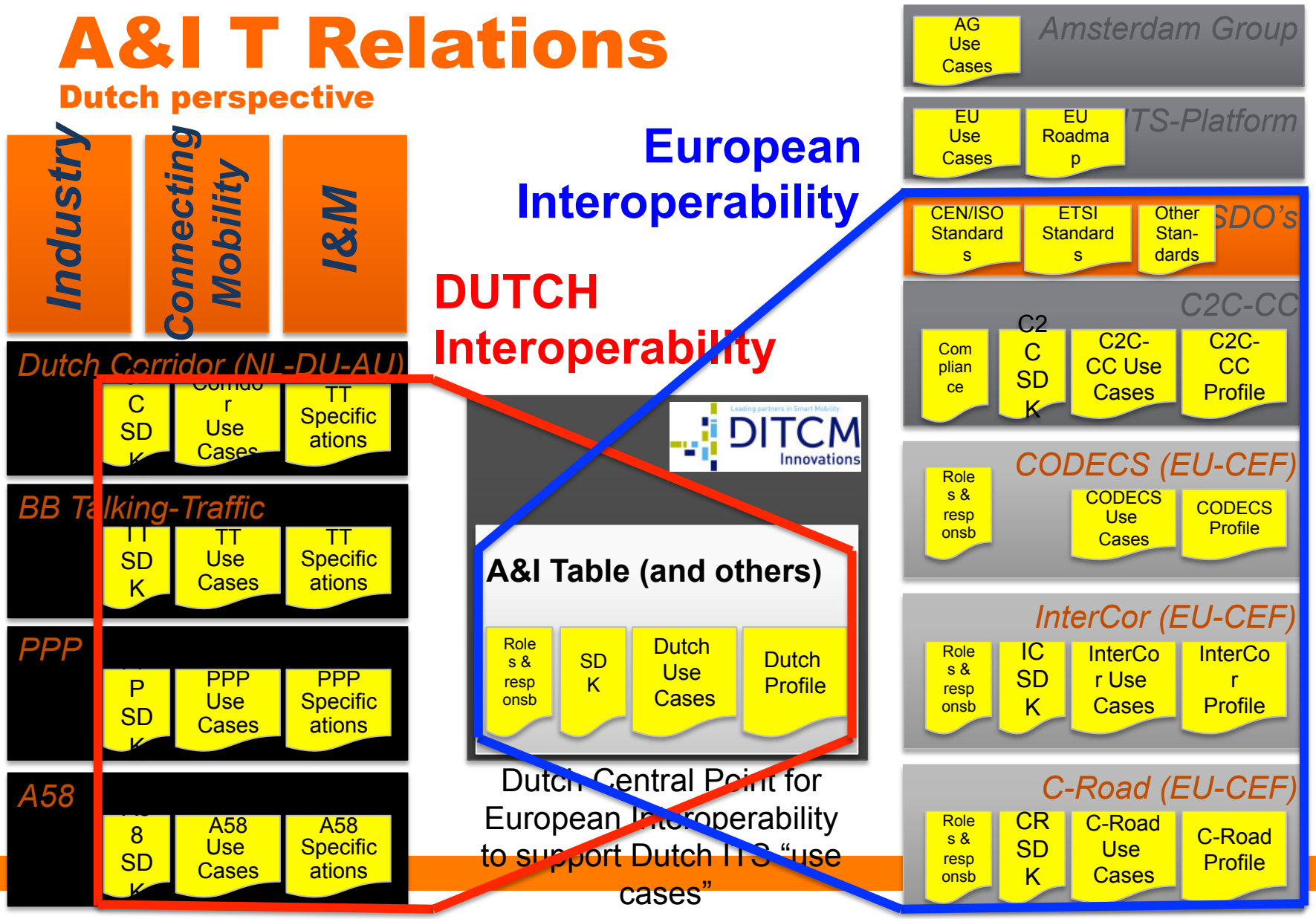
Presentation European connections RWS
By Marcel Otto (Connecting Mobility)

European Connection Agenda

European Connections

A&I T Relations

Dutch perspective



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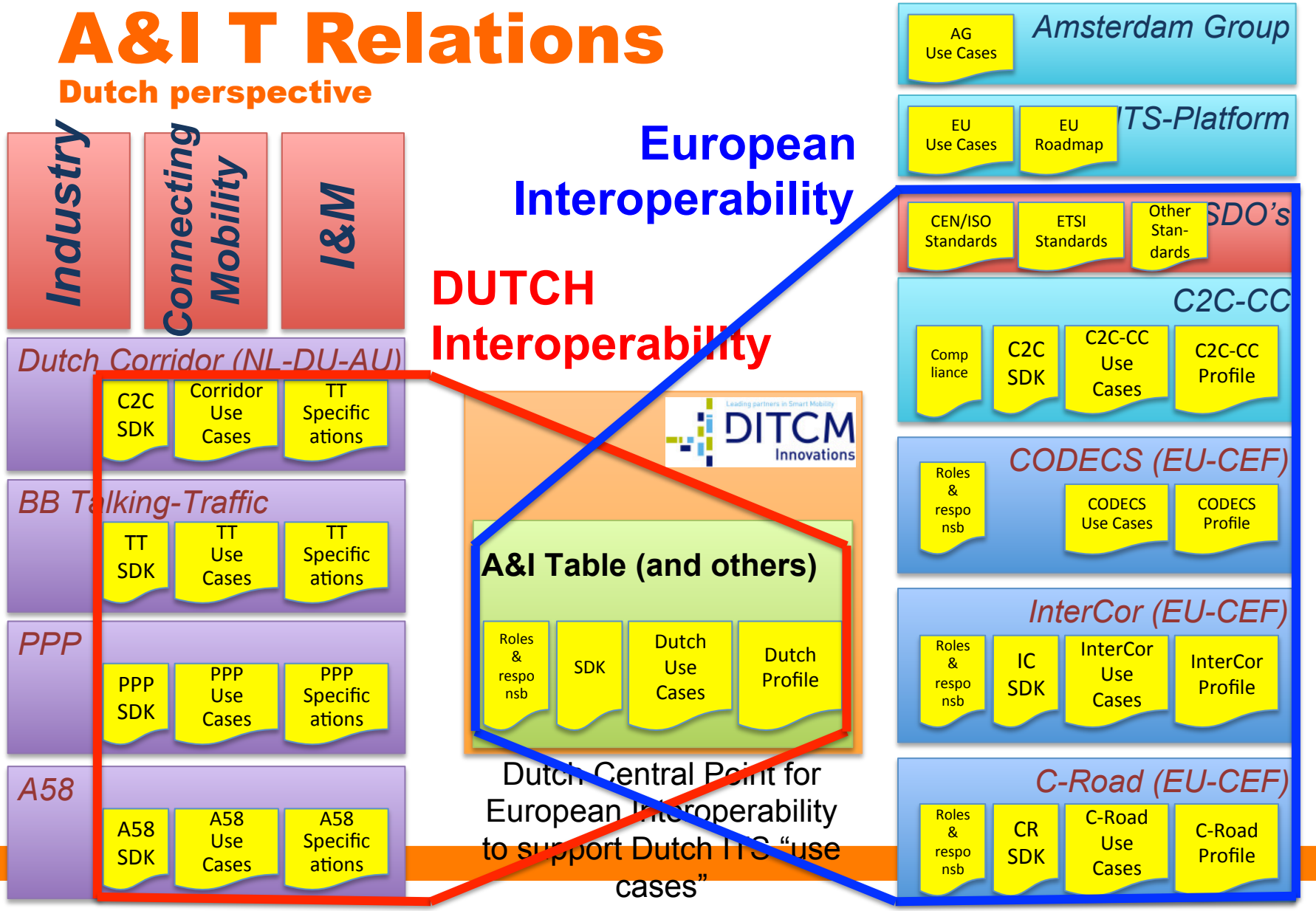
A&I T Relations

Dutch perspective



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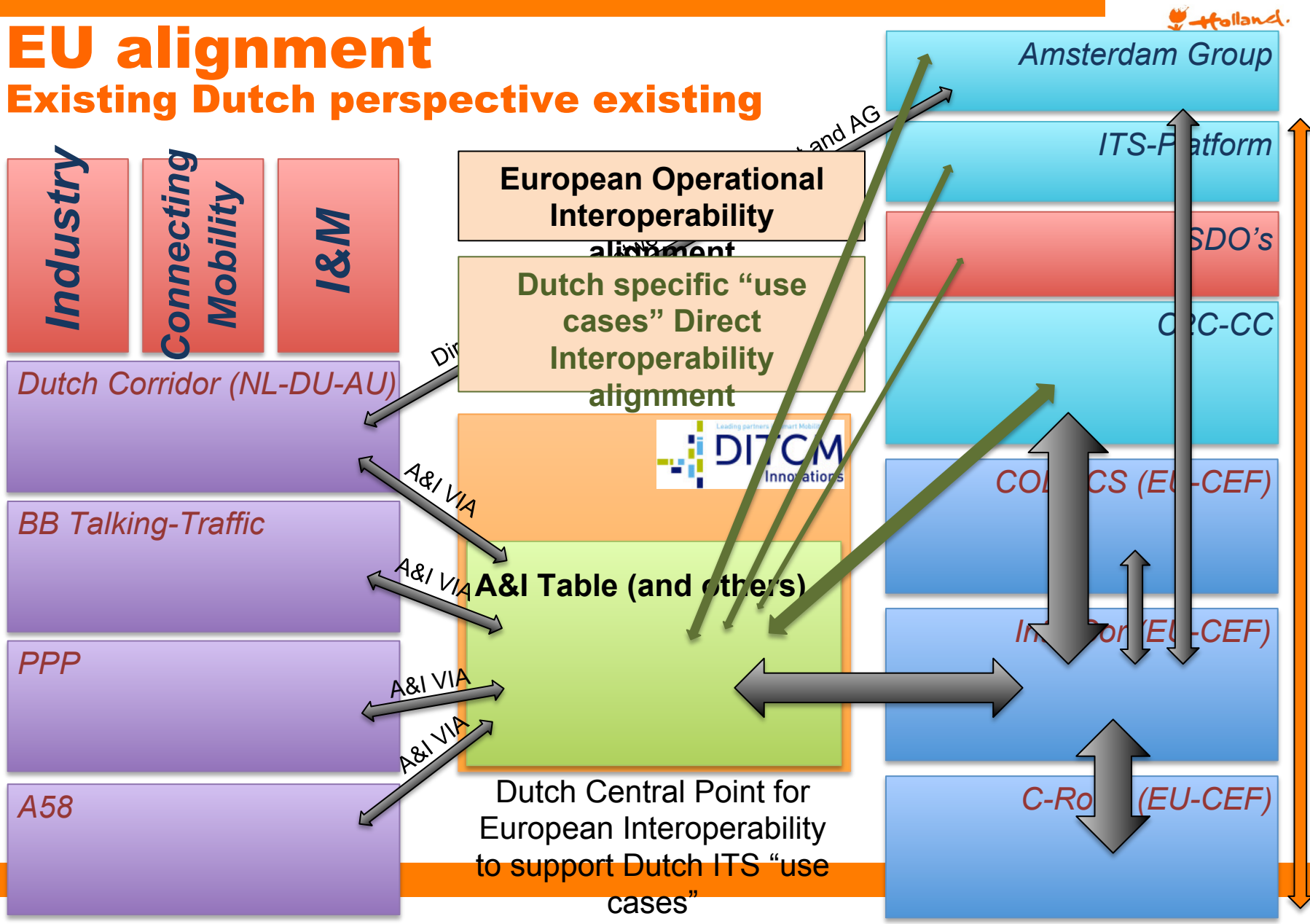
EU alignment

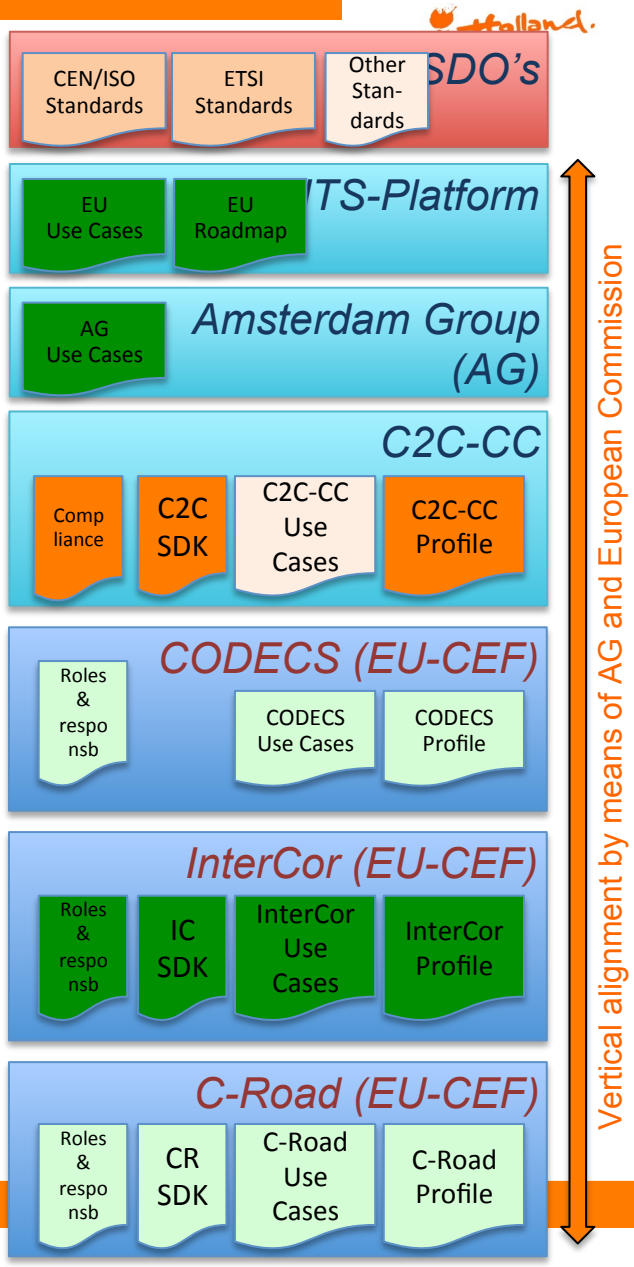
Existing Dutch perspective existing



EU alignment
Dutch presence

For InterCor "use cases" by *participation of Dutch stakeholders and A&I T writing team members, in the InterCor project to ensure the interoperability for these "use cases".*

For other "use cases" by *specific participation by Dutch stakeholders and A&I T writing team members in especially C2C-CC, other European projects (such as Eco-AT and SDO's where applicable.*



European Connection Agenda

Exercise 2

Which European organisations do we see of importance to connect to and who to participate?

European Connection Agenda

Exercise 2

Which organisations/project?

- Amsterdam Group
  - What is the importance recognized (what to get/what to bring)
  - Who to represent NL?
- EU ITS-platfrom
  - What is the importance recognized (what to get/what to bring)
  - Who to represent NL for what?
- C2C-CC
  - What is the importance recognized (what to get/what to bring)
  - Who to represent NL for what?
- ETSI, CEN, 3GPP….
  - What is the importance recognized (what to get/what to bring)
  - Who to represent NL for what?
- EU projects
  - What is the importance recognized (what to get/what to bring)
  - Who to represent NL for what?
- Others
  - What is the importance recognized (what to get/what to bring)
  - Who to represent NL for what?

European Connection Agenda

Presentation
Results of Exercise 2

European Connection Agenda

Conclusions and Next steps

European Connection Agenda

Any Other Business
Closure