CVIS - DEPloyment eNablers

ITS World Congress 2006
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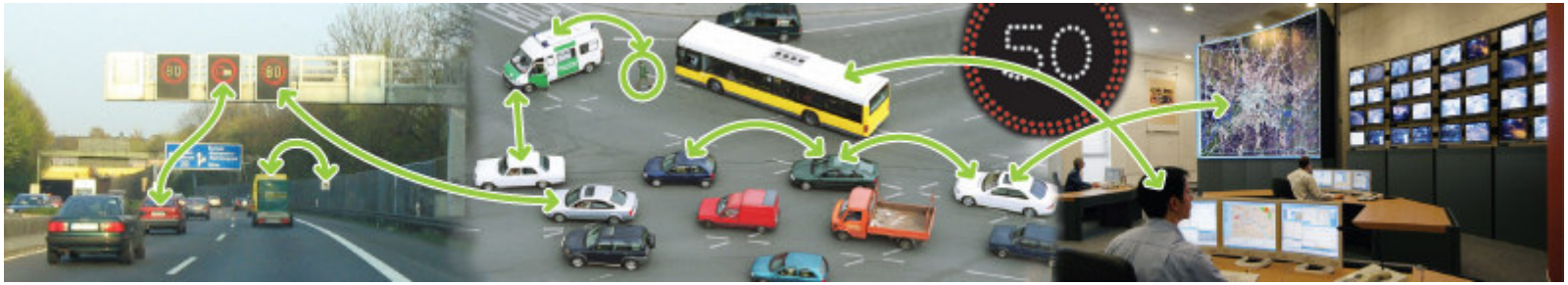

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Why DEPN ?

Some prerequisites for successful deployment

- CVIS technologies are validated
- CVIS technology is adopted
  - by vehicle makers, traffic system suppliers etc.
- CVI Systems are an accepted tool
  - with recognised benefits for all stakeholders, including the individual user
- Good quality information is widely available
  - Quality ensured real-time information and route recommendations
- Attractive, reliable and trustworthy services
- Risks and responsibilities are clear in advance
- Positive business case

Why DEPN ?

Goal: to ensure that core technologies and applications as developed in CVIS are

Fundamentally deployable

and

Non-technical issues are identified and recommendations are given on how to address them

DEPN Topics

1. Openness and interoperability
2. Safe, secure and fault-tolerant design
3. Utility, usability and user acceptance
4. Costs, benefits and business models
5. Risk and liability
6. CVIS as policy tool
7. Deployment roadmaps

DEPN Impact

DEPN looks at more non-technical aspects to enable deployment and make CVIS a success

….*but….*

this may result in technical modifications and recommendations on SP and WP level

DEPN Impact: Example

One point of view ➔ safety in a broad sense

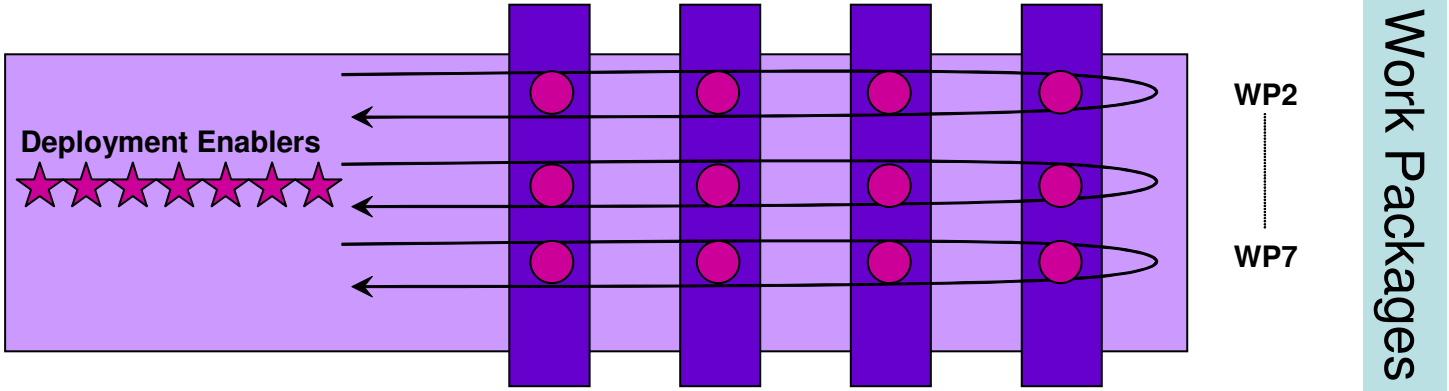
Examples:

- New components that cause others to fail or misbehave
  - Fault isolation and risk mitigation
- Incomplete or ambiguous data leading to errors
- User distraction
- Users change their behaviour, which might be unsafe

DEPN activities may lead to additional requirements
DEPN will generate guidelines

DEPN versus SP

Core Technology and Application Subprojects (SP's)



In each phase (WP) and every subproject DEPN helps to identify and fulfil needs and requirements to enable successful deployment

Current DEPN Activities

Current main activities are aimed at input to

- WP2 (Use cases)

  e.g. DEPN White paper for WP2
- WP3 (Architecture)

And to help find solutions for

- Data modelling
- Safety, security and fault tolerance
- Risk and liability issues

Future DEPN Activities

Future activities are

- User acceptance assessment and tests
- Development of business models
- CVIS and Policy, describe relationships and identify impact
- Deployment road maps

Current Activities *Interoperability*

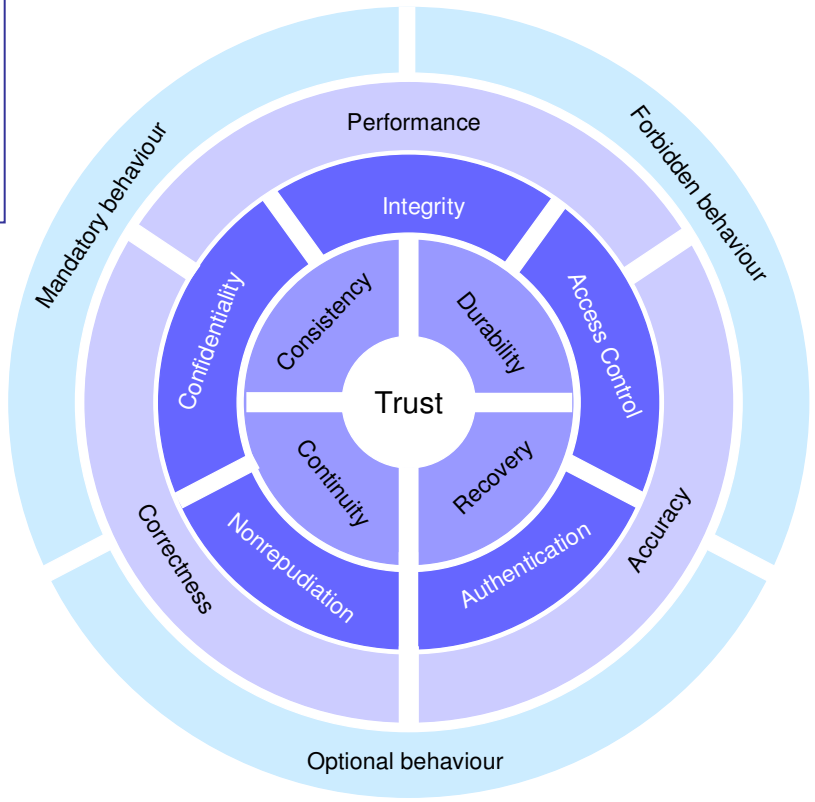
Create openness and interoperability not only on protocol level, but also on content level

"For successful cooperation talking alone is not enough: understanding each other makes all the difference"

DEPN helps define / choose the data model

Current Activities *Security* ⇔ *Trust*

DEPN proposes to embed TRUST-elements in the design of core technologies and applications



Current Activities *Risk and Liability*

- Make an inventory of potential external risks and threats and identify mitigation strategies for those judged to be substantial
- Analyse the liabilities and map the legal exposure of each Actor in the CVIS deployment and operational service chain using the Use Cases

DEPN Partners

Thank you for your attention…

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