CVII Community Summit / Working Session

18 February, 2021
Today’s schedule (times in CET)

~ 1600  Welcome and introductions
~ 1610  Section 1: CVII-related projects, organization and latest news
~ 1715  Section 2: Data/service models and industry alignment
~ 1820  Section 3: Development of the CVII Technology Stack
~ 2000  END

There is a short break planned around 1755.
SECTION 1:
CVII-related projects, organization and news
Common Vehicle Interface Initiative (CVII)

Project Organization

- Data (meta-) model and standard catalog
  - (preparation) Cloud & Connected Services (CCS) Project Vehicle Data Model WG
  - Model/Catalog Vehicle Signal Specification (VSS) WG (GENIVI)
  - Model/Catalog Vehicle Service Catalog (VSC) (GENIVI)
  - Communication RPC Protocol Development (W3C)
  - Model/Catalog VSS Ontology (VSSo) WG (W3C)

- Services (meta-) model and standard catalogs
- Technology Stack
- Working Tracks
- Activities / Projects
- Alignment Track: Industry Outreach
  - Sensoris
  - GAIAX
  - ISO ExVe
  - Open Insurance Initiative

Guiding best practices

- New suprojects. Full or partial-stack development
- Communication VSS v2 Protocol Development WG (W3C)
- Architecture/Comm Unitation Cloud & Connected Services (CCS) Project End-to-End Communication Framework WG (GENIVI)
- Vehicle applications Best Practices (W3C)
- Android AASIG VHAL Project (GENIVI)

• Sensoris • GAIAX • ISO ExVe • Open Insurance Initiative

• Guiding best practices
SECTION 2:

Data/service models and industry alignment
Main topics today:

• SENSORiS
• Open Insurance
• eSync
• VSS Layers Concept (...)

(not covered in detail today: Digital Twin Consortium, ISO ExVeh, GAIA-X, AUTOSAR, JasPar, and many others...
SECTION 3:
Developing the Technology Stack
Main topics today:

• A common model for automotive interfaces: The Vehicle Service Catalog (Magnus Feuer)

• Building blocks of a data centric architecture (Daniel Wilms, BMW)

• Bosch VAPP update and plans, live demo, IDE, and more (Lars-Erich Kiefer, Bosch)
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• A common model for automotive interfaces: The **Vehicle Service Catalog** (Magnus Feuer)
• Building blocks of a data centric architecture (Daniel Wilms, BMW)
• Bosch VAPP update and plans, live demo, IDE, and more (Bosch)
VSS Layers Concept
Vehicle Signal Specification (VSS) – Layers

VSS Layers is a formalization of a relatively simple feature. Some VSS tools can already process and combine multiple definition files. To add new signals, or to modify.

There is an explicit branch named /private where any new signals can be placed. However, it is also possible to use the VSS-Layer capability.

- VSS Layers can add metadata to the signal definitions.
- VSS Layers are perfect to define a unique “deployment model” in which metadata that is only relevant for this particular usage environment can be added to the standard model.
- VSS Layers can add or remove signals, or even modify existing metadata.
- Other usage: Data categorization, e.g. privacy sensitivity category
- VSS -> VSSo transformation?

As such, layers can be added and removed depending on situation, while keeping the main data model, and a main catalog definition intact.
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Thank you!

Use the wiki pages to find all relevant info:
https://at.projects.genivi.org/wiki/x/n4DNAw
https://www.w3.org/auto/

Contact W3C Transport and Automotive groups:
ted@w3.org

Visit GENIVI:
http://www.genivi.org
http://projects.genivi.org