

# COVESA: Workshop Sept 24<sup>th</sup> 2024, Novi

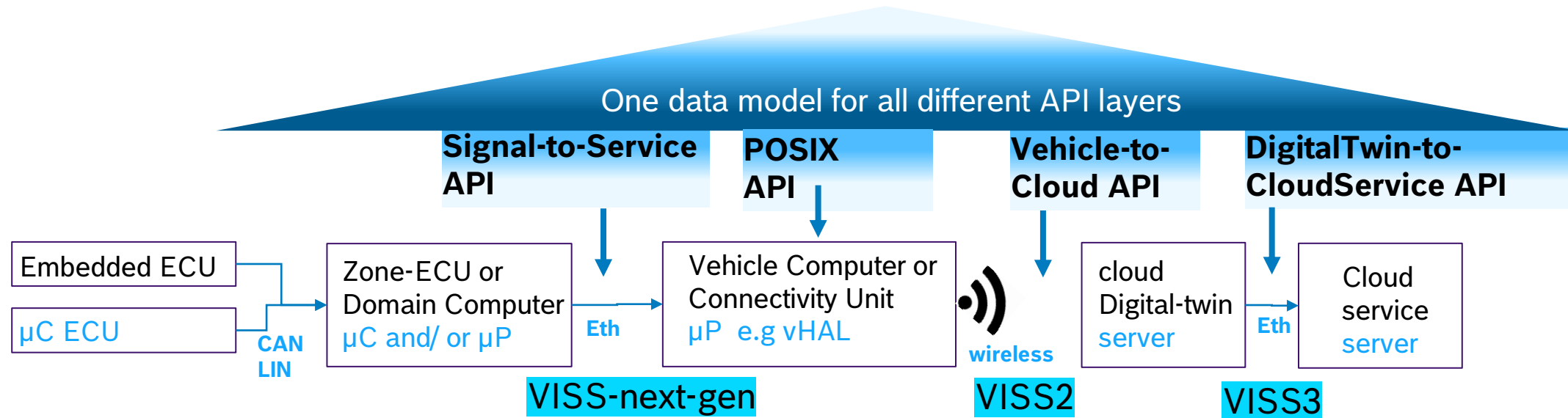
## Latest News : From Workshop yesterday

### What to achieve

- One API for all domains (Body, Infotainment, Powertrain..)
- Interoperability between different vehicle platforms
- Harmonize the interface language **in-& outside** the vehicle
- Enable data centric app-development

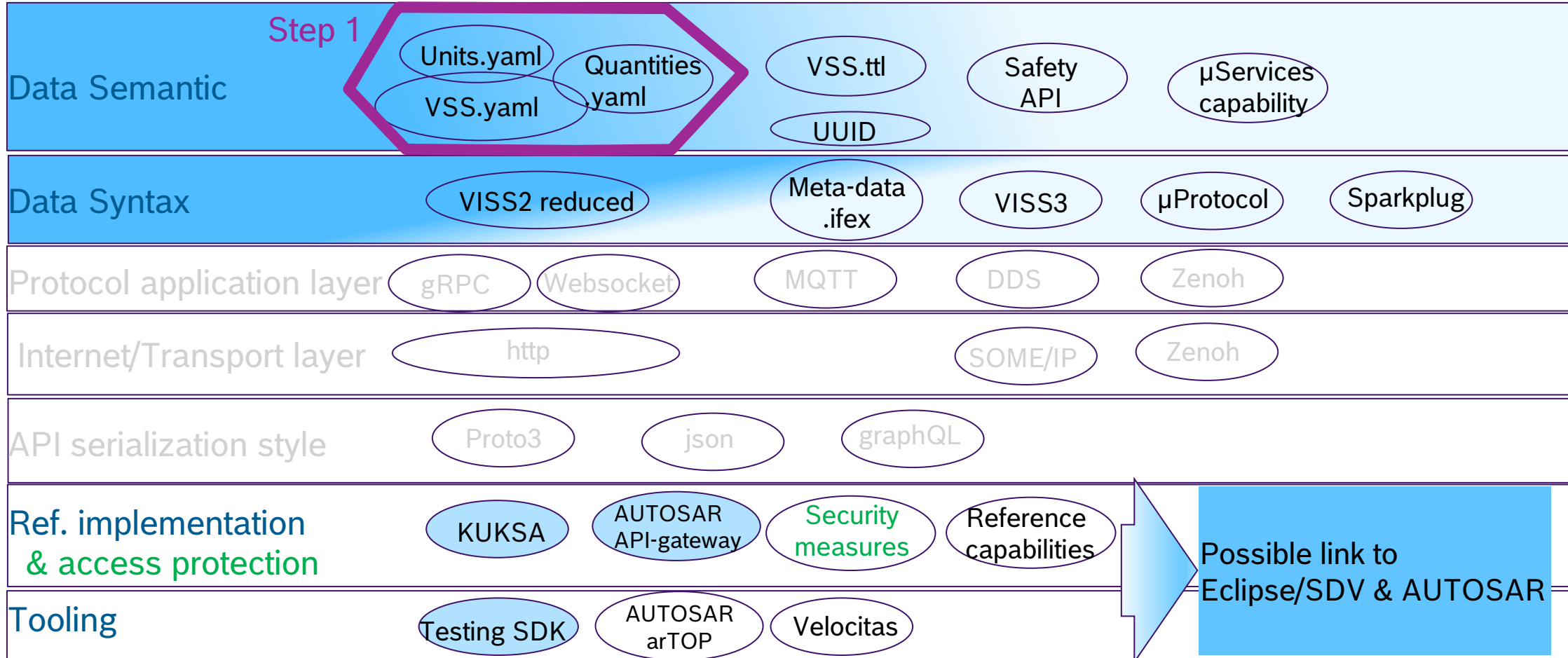
### How to achieve

- Start with a Data-based API standard  
(function/capabilities-based-API might follow later)
- Step 1: One data model for all APIs (VSS+units+Quantities)
- Step 2: Enable different implementation (e.g. **VISS-versions**)



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## API Standardisation Elements are aligned in CVI group (Tuesdays)



# How to cooperate with standardization bodies

## Requirements and benefits by getting standard

### Strategic advantages:

- A standard gives more international visibility and attracts attention from governments, public funding
- In China and Japan, standardization activities are expected in 2025: they need a standard to refer to
- A standard can stabilize upcoming VISS-versions officially, taken over from W3C (e.g., VISS3)
- SAE-ITC interested in supporting the needs of the dynamic SDV-community (participated at AMM)
  - Memorandum of understanding COVESA&SAE might be possible on CES2025

### How to overcome draw-backs of standards

- Standardization is additional effort (do not make COVESA to a standardization body)
  - cooperate with an existing standardization body (1) SAE, (2) ISO, (3) OMG tbc
- Standardization is too slow (stable) for SDV-topics: “carved in stone”
  - SAE offers the concept of “Digital Annex” which can be updated all ~6 months (refer to SAE J1939 DA)
  - good fit with the major VSS releases
- Standardization takes years before being public (time-2-market)
  - SAE offers a “pre-standard” organization called “best practice” (refer to SAE AVSC<sup>1</sup>) a new “best practice every 3-6 months)
  - ISO offers the “PAS-standard” (refer to “public available standard” in <1year, ends after 3 years in an ISO)

1) Automated Vehicle Safety Consortium (AVSC) Welcomes Newest Members Torc and Zoox ([sae.org](https://www.sae.org))

2) [About | AVSC \(sae-itc.com\)](https://www.sae-itc.com) 3) [AVSC on WCX TV - YouTube](https://www.youtube.com/watch?v=...)

# COVESA AMM Sept 24th – 26th 2024

## Standardization Roadmap

### Decision Proposals:

	agreed	rejected	To be involved
Standardization is the right way to promote COVESA, when we are not slowed down the work of the data expert group	X tbc next week		
Following Expert-Workshop outcome: start with what is mature The Data-model-standard = VSS + Quantities + Units	X tbc next week		
Start discussions with SAE/ITC on “COVESA & SAE Memorandum of understanding” target : common public announcement on CES-COVESA event 01/2025	X tbc next week		GM Richard Fernandes & FORD Ulf Bjorkengren &...
Start discussion with ISO TC22 about new “SDV-subgroup”	X tbc next week		

See “best practice” standards: <https://avsc.sae-itc.com/our-work>