VSS 2.0 - Current Status & Next Steps
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Vehicle Signal Specification

VSS is...
- … a domain taxonomy for vehicle signals
- … specified in YAML
- … independent of protocol and serialisation format
- … supporting tooling for code generation or format conversion (JSON, GraphQL, …)

VSS allows the industry to use a common naming schema and semantic for common vehicle signals across different layers in a protocol stack.

Vehicle Speed
- type: sensor
- datatype: float
- unit: km/h
- description: The vehicle speed

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Long overdue, has finally been tagged

“Vehicle” as root node, Attributes/Sensors/Attributes as leaves in tree (instead of top level elements)

Instantiation (e.g. several seats/tires)
- Defined as property of a branch
- Expanded by tooling (no more copy & paste)

Tooling moved to a separate repository
- Tools for JSON, CSV and code generation for Go/C

Growing open ecosystem of open tools

- VISS server in Go  [https://github.com/MEAE-GOT/W3C_VehicleSignalInterfaceImpl](https://github.com/MEAE-GOT/W3C_VehicleSignalInterfaceImpl)
- KUKSA VISS server  [https://github.com/eclipse/kuksa.val/](https://github.com/eclipse/kuksa.val/)
- Python VSS tooling  [https://github.com/XevoInc/vss](https://github.com/XevoInc/vss)

[https://genivi.github.io/vehicle_signal_specification/](https://genivi.github.io/vehicle_signal_specification/)
The Road Ahead

- More steady releases (aim ~3 months)
- Version 2.0 focused on structure now we will focus on datapoints
  - New deprecation feature will help
- Layering & Deployment
  - Adding you own metadata
  - Merge models
  - Add deployment specific restrictions
Thank you!

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Visit GENIVI:

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