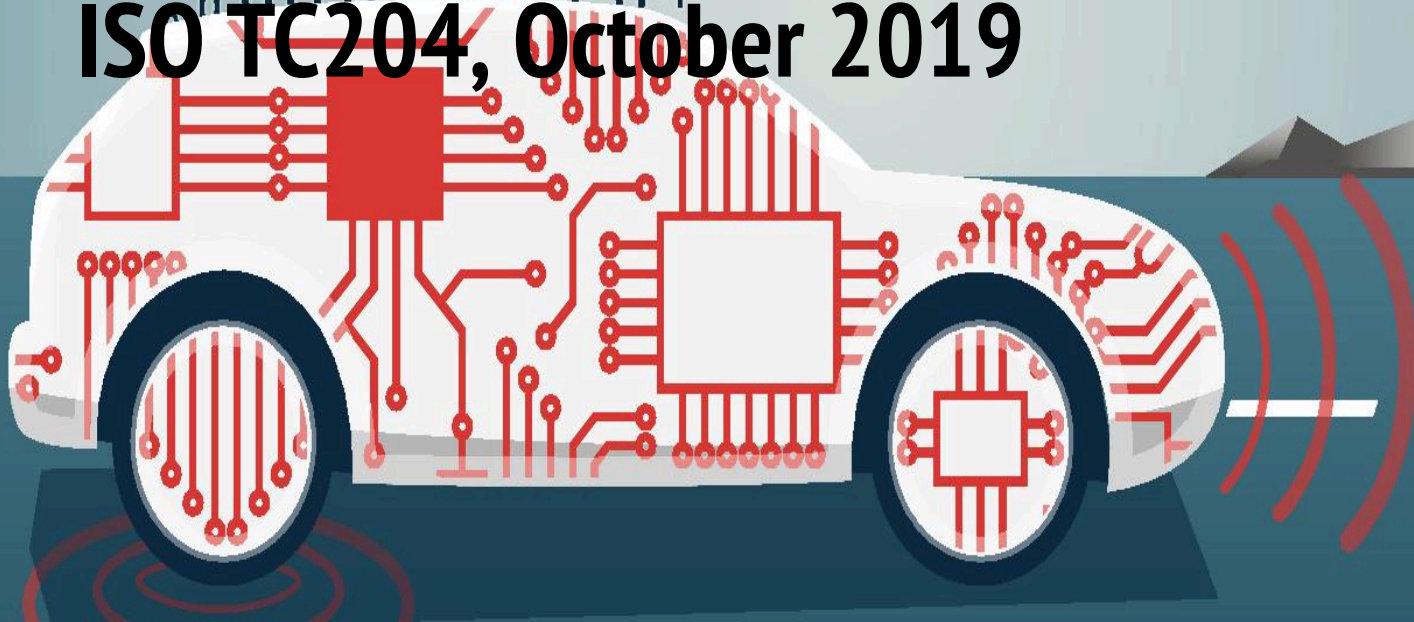


Ted Guild <ted@w3.org>

W3C Automotive Lead W3C

ISO TC204, October 2019



What is W3C?

- World Wide Web Consortium
- Standards body for the Web
- Founded by inventor of Web - Tim Berners-Lee
- Hosts: MIT, Beihang, Keio, ERCIM
- ~450 members

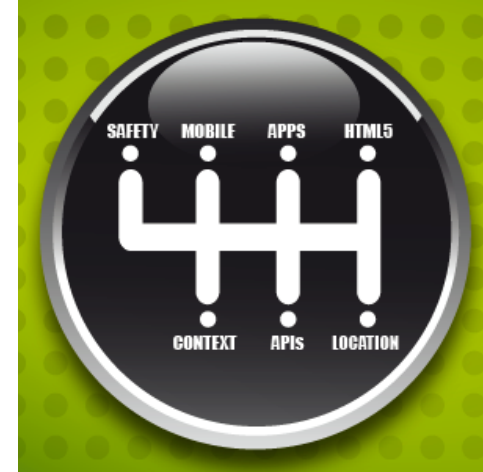


Why is W3C doing Auto Standards?

- Need for a robust application ecosystem
- Future of transportation will require interoperability
- Reduce fragmentation by competing proprietary approaches
- More developers for the Web than any other platform
- Web has proven itself and transformed industries
- Connected vehicles will be relying on Web services
- W3C has a long history of providing higher level interfaces to developers

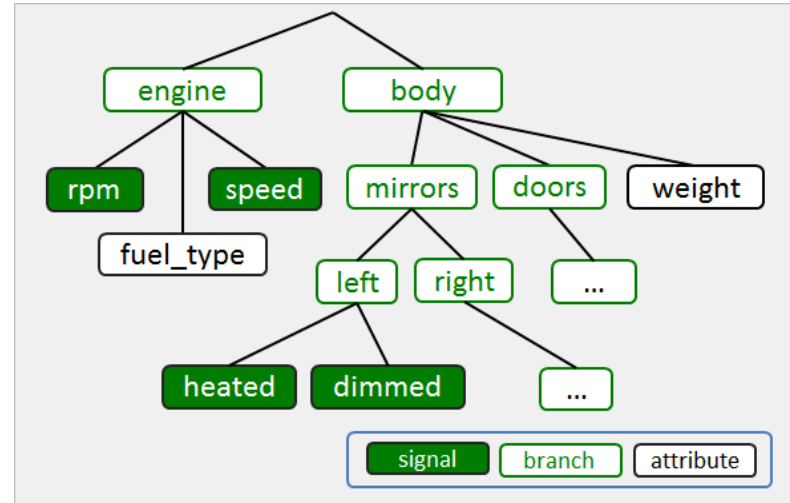
Rich in-vehicle application ecosystem

- **Telematics** - W3C VISS (Vehicle Information Service Specification)
- Notifications
- Media
- LBS/Nav
- Payments
- Other areas under consideration

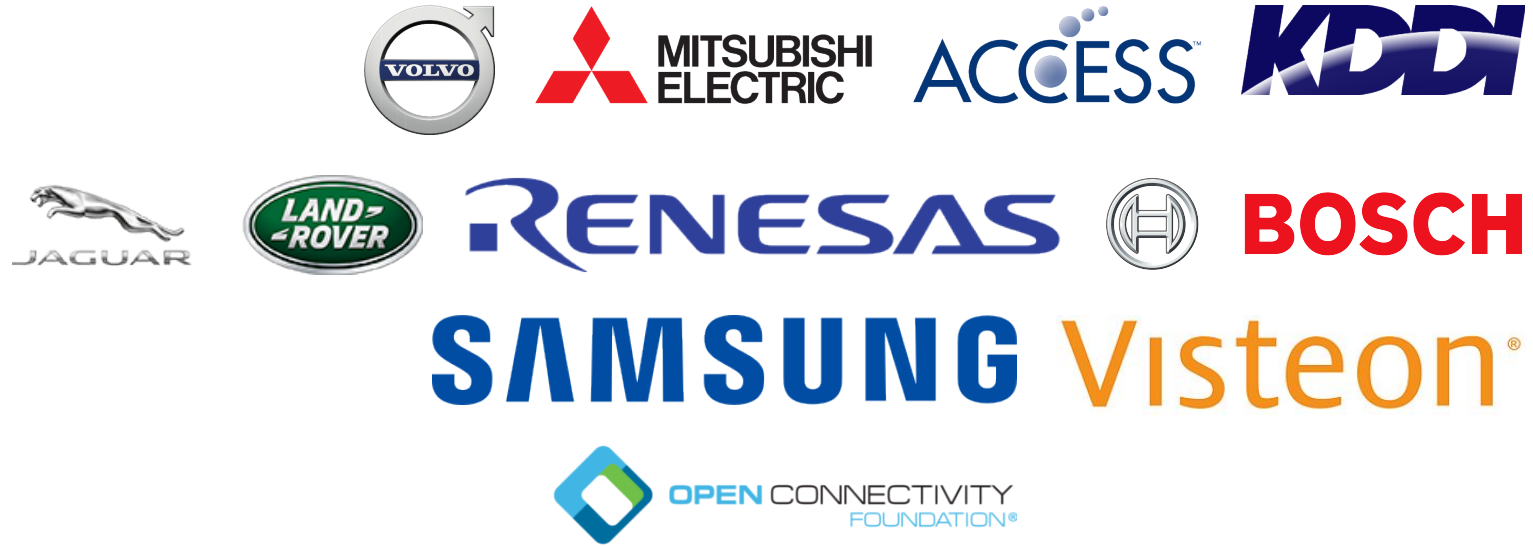


W3C Vehicle Information Service Specification (VISS)

- Service on the vehicle
- Common data model (JSON)
- ~1000 signals, more to be added, extensible
- Web Sockets, next gen also HTTP REST (VW Group)
- Granular access control per application
- Requests or Subscribe (stream)



Implementers



VSSo

- Ontology - human (engineer) and machine readable
- Combining disparaging datasets readily (eg Graph)
- Artificial Intelligence
- Enables Big Data/Analytics
- W3C Web of Things (WoT)



Just a piece of the puzzle

- Seeking coordination on data models among related SDO
- GENIVI
- AutoSAR
- ISO TC22 SC31
- ISO TC211
- ISO JTC-1
- ISO TC204 ITS (pending)



Follow Up

- Appreciate your consideration for this liaison request
- <https://www.w3.org/auto>
- Ted Guild ted+auto@w3.org