

Status Report

Ted Guild, W3C Automotive Lead

[Genivi AMM, Birmingham, UK](#)

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GENIVI®

Innovation through Collaboration

- Genivi / W3C relationship began in 2012
- Similar organizations who have established strong ties
- Why Web standards for Auto?

What is W3C?

Standards Body for the Web

- Director Tim Berners-Lee
- founded in 1994
- Hosts: MIT, ERCIM, Keio, Beihang
- 66 staff
- 466 Members

W3C Automotive Activity

Comprised of a Working Group (WG) and Business Group (BG) plus liaisons with other industry or technology focused groups at W3C, Genivi, AGL, government entities...

Auto WG

Chairs: Paul Boyes (INRIX), Rudolf Streif (JLR), Peter Winzell (Mitsubishi)

- initially started with a WebIDL approach - similar to phone, bt, microphone, camera etc
- Sensors API and Web of Things (IoT abstraction layer) discussions
- Pivoted to service approach
- Web Sockets and [possibly] HTTP REST
- Benefits: browser extension maintenance, Qt HTML5 headless, layered security, other approaches

Auto BG

Chairs: Paul Boyes (INRIX), Wonsuk Lee (ETRI), Qing An (Alibaba)

- Initially LBS and Media

- [VW Submission](#)

media services, library, cdn, signals, mixer, protocol and possibly notifications and nav

- Privacy & Security
- Web Payments (task force being launched with another W3C group)

VW Group Submission

- lengthy debate
- VISS (Genivi VSS based) continuing on W3C Rec track as the WG is chartered
- intent to converge on v2
- meanwhile exploring the other "domains" besides signals
- prototyping media, other - possibly demo at showcase
- Thursday track on competing signals API at 11:30am

Web Payments

W3C has a [Web Payments](#) Interest Group (strategy) and Working Group

- API between merchant, payment providers (in browser or separate apps), and customer
- key stakeholders ([WG](#)) ([IG](#))
- spec maturing, starting to ship in production browsers
- Web Payments Interest Group were looking at what to focus on next
- [Joint Auto and Payments proposal](#)
- [NY Times](#)

Get Involved!

"Like driving a long stretch of open road alone, standards development work can be a lonely endeavor." - Genivi's W3C Case Study

- influence standards
- collaborate with competition
- early adoption == early to market
- networking
- be a leading pioneer

Thank You

Questions

- [Follow up: ted+auto@w3.org](mailto:ted+auto@w3.org)
- <https://www.w3.org/auto>
- Genivi's "W3C Case Study"