

# W3C Automotive VISS wrap up

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# Contents

- Current Status
  - Implementation Report
- ACCESS Status
  - VIAS update
  - VISS brush up
- Renesas Demo
- Roadmap
- Next Step

# Current Status

- Candidate Recommendation ( <https://www.w3.org/TR/vehicle-information-service/> )

## Vehicle Information Service Specification



W3C Candidate Recommendation 13 February 2018

**This version:**  
<https://www.w3.org/TR/2018/CR-vehicle-information-service-20180213/>

**Latest published version:**  
<https://www.w3.org/TR/vehicle-information-service/>

**Latest editor's draft:**  
[https://w3c.github.io/automotive/vehicle\\_data/vehicle\\_information\\_service.html](https://w3c.github.io/automotive/vehicle_data/vehicle_information_service.html)

**Implementation report:**  
[https://www.w3.org/auto/wg/wiki/VISS\\_implementations](https://www.w3.org/auto/wg/wiki/VISS_implementations)

**Previous version:**  
<https://www.w3.org/TR/2016/WD-vehicle-information-service-20161020/>

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# Current Status

- Implementation Report

[https://github.com/w3c/automotive/blob/gh-pages/implementation\\_report/implementation\\_report.html](https://github.com/w3c/automotive/blob/gh-pages/implementation_report/implementation_report.html)

Test	Melco VISS	ACCESS VISS	ETRI VISS				
<a href="#">0010-channel-independent-1.html</a>	N/A	PASS	PASS	<a href="#">0140-get-wildcard-success.html</a>	N/A	FAIL	PASS
<a href="#">0020-channel-independent-2.html</a>	N/A	PASS	PASS	<a href="#">0150-get-invalid-path-error.html</a>	N/A	FAIL	PASS
<a href="#">0030-authorize-valid-token.html</a>	N/A	PASS	PASS	<a href="#">0160-set-success.html</a>	N/A	PASS	PASS
<a href="#">0031-authorize-invalid-token.html</a>	N/A	PASS	PASS	<a href="#">0170-set-error.html</a>	N/A	PASS	PASS
<a href="#">0040-lowest-privilege-at-initialize.html</a>	N/A	PASS	PASS	<a href="#">0180-subscribe-success.html</a>	N/A	PASS	PASS
<a href="#">0050-init-success.html</a>	N/A	FAIL	PASS	<a href="#">0190-subscribe-notification-success.html</a>	N/A	PASS	PASS
<a href="#">0060-init-error.html</a>	N/A	FAIL	PASS	<a href="#">0200-subscribe-unique-id-success.html</a>	N/A	PASS	PASS
<a href="#">0070-init-wrong-subproto-error.html</a>	N/A	PASS	PASS	<a href="#">0210-subscribe-error.html</a>	N/A	FAIL	PASS
<a href="#">0080-authorize-success.html</a>	N/A	PASS	PASS	<a href="#">0240-unsubscribe-success.html</a>	N/A	PASS	PASS
<a href="#">0090-authorize-error.html</a>	N/A	PASS	PASS	<a href="#">0250-unsubscribe-error.html</a>	N/A	PASS	PASS
<a href="#">0100-getVss-success.html</a>	N/A	PASS	PASS	<a href="#">0260-unsubscribeall-success.html</a>	N/A	PASS	PASS
<a href="#">0105-getVss-no-path-success.html</a>	N/A	PASS	PASS	<a href="#">0280-subscribe-branch-error.html</a>	N/A	FAIL	PASS
<a href="#">0110-getVss-wildcard-success.html</a>	N/A	FAIL	PASS	<a href="#">0290-subscribe-filter-interval-success.html</a>	N/A	PASS	PASS
<a href="#">0120-getVss-incorrect-error.html</a>	N/A	PASS	PASS	<a href="#">0300-subscribe-filter-range-success.html</a>	N/A	FAIL	PASS
<a href="#">0130-get-success.html</a>	N/A	PASS	PASS	<a href="#">0310-subscribe-filter-minchange-success.html</a>	N/A	PASS	PASS
				<a href="#">0320-subscribe-filter-mixed-success.html</a>	N/A	FAIL	FAIL

# ACCESS Status

- VIAS(Vehicle Information API Specification) update
  - WG note (<https://www.w3.org/TR/vehicle-information-api/>)
    - Update of VIAS prototype implementation (minor bug fix, clean up)
    - <https://github.com/aShinjiroUrata/vehicle-information-service-spec/blob/master/vias/vias.js>
- VISS(Vehicle Information Service Specification) activity
  - Using in a project (Demo/PoC/Dev Tool development)
  - Did some bug fix, brush up and customize

# RENESAS Electronics Demo

- Renesas Electronics Demo (Oct 17, 018)

<https://www.renesas.com/us/en/about/press-center/news/2018/news20181016.html>

## Renesas Electronics Delivers R-Car-Compatible Connected Car Software Development Tools for Cloud Service Applications Linked with Amazon Web Services Using Vehicle Data

*Predictive Driving Assistance Technology Realizes Vehicles that Provides Tailored Guidance and Support for Drivers*

16 Oct 2018

**Renesas Connected Car Software Development Tools Enables Cloud-Linked Automotive Applications Utilizing Vehicle Data**



**TOKYO, Japan** — To spur the development of cloud-linked services utilizing vehicle data, Renesas Electronics Corporation (TSE: 6723), a premier supplier of advanced semiconductor solutions, today announced the availability of its Connected Car Software Development Tools. Using the new tools, developers working with the R-Car system-on-chip (SoC) family can create applications, such as predictive safety infotainment applications that link dynamic data from the vehicle and the cloud in real time with algorithms developed based on big data in the cloud. This enables out-of-the-box development of innovative applications instead of the traditional approach of simply connecting the vehicle to the cloud,

The simulator supports 100 frequently-used data types defined in the Vehicle API of the World Wide Web Consortium (W3C), as well as other vehicle APIs. In addition, the simulator can select information on the vehicle surroundings, such as weather or road conditions, to test the application by running a vehicle travel along the road course in accordance with the settings specified by the user. The cloud-lined service



# RENESAS Electronics Demo

## Renesas Connected Car Software Development Tools Enables Cloud-Linked Automotive Applications Utilizing Vehicle Data



# Roadmap

- Charter ( <https://www.w3.org/auto/charter-2018> )

<b>Start date</b>	<i>1 May 2018</i>
<b>End date</b>	<i>30 June 2020</i>
<b>Charter extension</b>	See <a href="#">Change History</a> .
<b>Chairs</b>	Paul Boyes, Invited Expert Rudolf Streif, Jaguar Land Rover Patrick Luennemann, Volkswagen
<b>Team Contacts</b>	<a href="#">Ted Guild</a> (0.2 FTE)
<b>Meeting Schedule</b>	<b>Teleconferences:</b> 1-hour calls will be held weekly in addition to topic-specific calls. <b>Face-to-face:</b> we will meet during the W3C's annual Technical Plenary week; additional face-to-face meetings may be scheduled by consent of the participants, usually no more than 3 per year.



# Roadmap

- Charter ( <https://www.w3.org/auto/charter-2018> )

## 2.1 Normative Specifications

The Working Group will deliver the following W3C normative specifications:

### [Vehicle Information Service Specification \(VISS\)](#)

The Vehicle Signal Server Specification defines the semantics of exposing vehicle information through the WebSocket protocol. This specification is dependent upon the Vehicle Signal Specification, as defined by GENIVI.

**Draft state:** Candidate Recommendation

**Expected completion:** *[Q2 2018]*

### **Restful Service Interface (RSI)**

This specification expands on VISS to expose services through interfaces in a restful style. The group will create a **common pattern** which will be used for services in the vehicle universe. The pattern could be used for vehicle signals, media, navigation and other services for in vehicle functions.

**Draft state:** [Member Submission](#)

**Expected completion:** *[Q2 2019]*

# Next Step

- Next Step for WG
  - How to converge with VIWI?
- Next Step for VISS
  - VISS move from CR to PR, REC?

Thanks!