Android Automotive SIG

Next "All-Hands" Meeting

31 March 2020 at 1700 CET / 1100 US EDT / 0800 US PDT

(Note: Additional AASIG track meetings are listed under each sub-project minute page: [VHAL] [Audio]

Agenda

- Vehicle HAL & Audio HAL proof-of-concepts
- Updated project roadmap
- Virtual GENIVI Technical Summit
- AOB

Zoom dial-in

https://zoom.us/j/453590365

Dial by your location

Meeting ID: 453 590 365

France	+33 7 5678 4048 +33 1 7037 9729
Germany	+49 69 7104 9922 +49 30 3080 6188 +49 30 5679 5800
Sweden	+46 850 539 728 +46 8 4468 2488
United Kingdom	+44 203 966 3809 +44 203 051 2874 +44 203 481 5237
United States	+1 646 876 9923 +1 669 900 6833

Find your local number: https://zoom.us/u/aeDLu354w5

For AASIG Vehicle HAL and Audio HAL next meeting schedule, see relevant minutes below

Project Charter

AA SIG "All-Hands" Meeting Minutes

AA SIG - Vehicle Data APIs / Vehicle HAL Meeting Minutes

AA SIG - Audio HAL Meeting Minutes

AA SIG - Vehicle HAL & Audio HAL F2F Meeting Minutes - February 2020

AA SIG - Vehicle HAL - Architectural Design Concepts - GENIVI Tech Summit - November 2019

Project Overview

Automotive OEMs are increasingly adopting Android[tm] Automotive (embedded) as a solution for their IVI stack. This adoption has introduced a series of challenges around integrating the Android Automotive embedded solution into existing legacy software and into other systems present in the vehicle (security, vehicle data, etc.).

Through a GENIVI-hosted Android Automotive SIG project, OEMs, their suppliers and the broader cockpit software ecosystem can discuss requirements, identify gaps and provide an aligned, community voice for discussion with the Google Android Automotive team.

Areas of Focus

The following list of topics were adopted in the original project charter. Additional topics are likely to be added as the project proceeds:

- Extensions required for Android in an automotive environment
    - Audio management
    - Lifecycle, diagnosis and health monitoring
    - Multi-display support
    - Cluster integration
- Platform requirements
    - Security
    - Access to vehicle information
    - Non-OEM validated 3rd party applications downloaded to the vehicle
- Responsibility for long-term maintenance
    - Defining boundaries where Tier 1s/OEMs must take primary responsibilities over Google Android Automotive team support
    - Keeping an automotive system updated to support new versions of Android
        - On software level (Treble)
        - On hardware level (“cartridge” concept).

Participating Organizations

- BMW (Chris Brandt
- Daimler/Mercedes-Benz R&D NA
- Fiat Chrysler
- Renault Nissan Mitsubuishi Alliance
- Harman (Sujal Shah)
- Bosch
- Mentor
- Mitsubishi Electric
- Mobis
- Wind River
- Renesas
- Tieto
- Mobica
- ADIT
- EPAM
- Analog Devices
- Inrix.

Point of Contact

- Philippe Robin (GENIVI PMO)
- Gunnar Andersson (GENIVI Technical Lead)