Android Automotive SIG

- Next "All-Hands" Meeting
- 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 Data APIs / VHAL Workshop - May 2020
- AA SIG - Audio HAL Workshop - May 2020
- AA SIG - Vehicle HAL & Audio HAL F2F Meeting Minutes - February 2020
- Project Overview
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Next "All-Hands" Meeting

🌟 Tuesday 15 December 2020 at 1700 CET

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

Webex link

Dial by your location: find dial-in number here

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

Project Charter

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Project Overview

Automotive OEMs are increasingly adopting Android™ 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.

AASIG Android Development Platform

The purpose of the "development platform" is not significantly different from any standard development people are used to (e.g. AOSP). It only defines a well defined version of Android for Automotive development that supports solutions developed in the SIG. A repository holds the scripts, configurations and knowledge to make a common and repeatable build, including any modifications, new components, and also to integrate automotive-specific hardware settings, BSP files, etc.

More details here: Android development platform

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)