## Agenda

<table>
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<tr>
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<th>Purpose of meeting</th>
<th>10 min</th>
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<tr>
<td>2.</td>
<td>Introduction</td>
<td>15 min</td>
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<td>3.</td>
<td>Charter of Android Automotive SIG</td>
<td>10 min</td>
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<tr>
<td>4.</td>
<td>Collection of topics and prioritization</td>
<td>45 min</td>
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<td>5.</td>
<td>Next steps and organizational topics</td>
<td>10 min</td>
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Purpose of meeting.

1. Establish SIG and ensure sufficient membership
2. Define specific topics to work on and agree on next steps.
Opportunity Statement

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.

Proposed Areas of Project Focus

Current project focus areas include:

- Preliminary list of extensions required for Android in an automotive environment (additional extensions to be identified during project):
  - 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).

Intended Deliverables:

- Requirements definition documents for specified areas of focus
- Architecture/API definitions (models, diagrams)
- Reference code for identified APIs
- Tech Briefs to inform the automotive industry
Proposed Topics by the audience and hands up counts (one hand per company)

1. Cluster Integration - 7
2. Vehicle HAL - 10
3. Best Practice to add extentions to AOSP - 6
4. Pre Release of A-A-OS and access to GAS services via GENIVI - 11
5. GENIVI compliant Android - 3
6. Android Certification in multi OS environment - 13
7. ECU external Wifi/Bluetooth HAL & Reference implementation - 4
8. GENIVI steering evolution of e.g. broadcast radio (tuner) HAL - 4
9. Analyse Middleware / HAL for automotive gaps (e.g. Audio Management) - 20
10. Android Certification issues? How to address @google? - 8
Next Steps

Priority Topics

Next Meeting

Additional potential members

SIG Leadership
Thank you!

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Contact us:
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