



CES 2017 Demo Showcase – Hardware Vendor CFP

Automotive Grade Linux, a collaboration project of The Linux Foundation, is hosting a demonstration showcase at CES in Las Vegas, Nevada on January 4 – 7, 2016. Included in the suite is a minimum of five (5) tables to hold demonstration hardware running applications built on top of the AGL Unified Code Base (UCB) Software Distribution.

In the past AGL has sponsored booths at trade shows with a single hardware and software solution. When doing that we have often received requests from other hardware vendors requesting space at the AGL booth. Therefore, to provide maximum exposure to automotive ecosystem companies for our members, AGL is making a **Call For Participation** for teams (“Hardware Vendors”) to provide hardware solutions that will be displayed at the official AGL Demo Suite at CES.

It is expected that a set of core AGL applications will run on all of the demo units (e.g., AGL Home Screen and others to be designated). In addition AGL will be soliciting applications from the developer community via a CFP for demo applications to be showcased at CES. These applications are expected to run on all CES hardware as well.

Benefits for Hardware Vendor

- 1) Increased exposure to the automotive OEM and Tier 1 ecosystem with the ability to schedule private demos in the AGL Suite.
- 2) Hardware Vendor mentioned in the official AGL CES Press Release.
- 3) Increased awareness of Hardware Vendor’s offering in the AGL developer community via promotion of Hardware Vendor’s evaluation board as an official AGL Reference Board and BSP.

Requirements:

- 1) Hardware Vendor will provide one (1) hardware set up that includes an automotive industry SOC on an evaluation board and the following peripherals:
 - a. Two displays (HDMI preferred)
 - b. WiFi
 - c. Bluetooth
 - d. Hi-quality audio system
 - e. Automotive iDrive and/or steering wheel controls
 - f. Other peripherals as proposed by the Hardware Vendor
- 2) Hardware Vendor will provide at least two (2) evaluation boards to AGL for use in CI. Ideally the evaluation boards are commercially available for AGL members to purchase.
- 3) Hardware Vendor will provide BSP software for the board and peripherals. This includes the following:
 - a. The BSP must meet all requirements for AGL Reference BSPs including providing a Quick Start Guide for application developers. See



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https://wiki.automotivelinux.org/agl-distro#supported_hardware for more information.

- b. The Hardware Vendor's BSP Layer provided must be publically available (e.g. hosted by AGL or public GitHub repository) and be compatible with Yocto Project 2.1 (krogoth). Any BSP adaptations specific to AGL on-top of the Hardware Vendor BSP must be submitted to meta-agl/meta-agl-bsp/<bsp-layer-name> and are the responsibility of the Hardware Vendor.
- c. All software must be available in the AGL Charming Chinook release with daily snapshot build made available for app developers by 15 November.
- d. Hardware Vendor must provide BSP engineers to support a minimum of two face-to-face integration sessions.
- e. Hardware Vendor must have at least one person on site at CES to build demonstrator, perform booth duty during the event, and to tear down their demonstrator.

Key Dates and Deadlines:

Date	Deliverable
Oct 4, 2016	Proposals Due
Oct 18, 2016	AGL Steering Committee Notifies HW Vendors
Nov 15, 2016	BSP available in meta-agl
Nov 17-18, 2016	Face to Face integration session in Yokohama, Japan
Dec 15-16, 2016	Final integration session in Tokyo, Japan
Jan 4, 2017	Deadline for hardware shipments to arrive at CES
Jan 5 – 6, 2017	CES Demo Suite Available

How to Apply:

Please indicate your interest in participating in the AGL Demo Suite at CES by filling out the attached AGL CES HW Vendor response by October 4, 2016. Additional information you feel is pertinent to the hardware selection committee may be included in a document or slide deck of no more than ten (10) pages. Email your response to wminer@linuxfoundation.org

Attachment: AGL CES HW Vendor Response.xls