



THE ROAD AHEAD **Open Source IVI**

GENIVI, The Home of Open Source IVI Software

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What is GENIVI?

- GENIVI® is a non-profit industry alliance committed to driving the broad adoption of an In-Vehicle Infotainment (IVI) open-source development platform
- The alliance aims to:
 - align requirements,
 - deliver code,
 - offer compliance programs,
 - and foster a vibrant open-source IVI community

GENIVI Code « Delivery » Policy

- “Upstream First” policy
- Adopt and/or adapt existing FOSS components to meet the defined IVI requirements
- Create when software does not exist in any upstream project
 - Hosts those projects
 - In an open and collaborative manner,
 - Consistent with the best practices of other FOSS projects

Open Source

- GENIVI has moved former member projects into the open source and invites all interested parties to participate in building the code
- As of today, **17 open source projects** are hosted by GENIVI on <http://projects.genivi.org/> and many others are coming
- Either develop **by members** (IVI Layer Management, Lifecycle Management, etc.)
- Or **by Third Parties** like Ford, that chose GENIVI to host their Smart Device Link project (<http://projects.genivi.org/smartdevicelink/>)

Collaboration

- GENIVI collaborate with various alliances, consortia, associations like:
 - [World Wild Web Consortium \(W3C\)](#) on Web API Vehicle to access vehicle data from HTML5
 - [AVnu](#) on Ethernet Audio/Video streaming
 - [Traveller Information Services Association \(TISA\)](#) on traffic information (TPEG format)
 - [Car Connectivity Consortium](#) on smartphone in-car connectivity
- GENIVI also welcome proposals for new projects even from non-member organizations

GENIVI Impacts

- GENIVI is evolving the way **IVI software** is produced by
 - Introducing a **non-proprietary operating environment** (Linux)
 - Fulfilling automaker requirements using community-developed, **open source software**
- GENIVI's expectation is that over time, this will fundamentally change the way automakers and their suppliers build IVI systems resulting in:
 - **Shortened development lifecycles** and
 - **Reduced cost** to the automaker and to the customer

- Backup



GENIVI IVI Software Platform

