

## GENIVI ALLIANCE ANNOUNCES OPEN SOURCE VEHICLE SIMULATOR PROJECT

The GENIVI Alliance has released details of the GENIVI Vehicle Simulator (GVS) open source project, with both developer and end-user code available immediately.

The GVS project and initial source code, developed by Elements Design Group, San Francisco and the Jaguar Land Rover Open Software Technology Center in Portland, Oregon, provide an open source, extensible driving simulator that assists adopters to develop and test the user interface of an IVI system under simulated driving conditions.

Steve Crumb, executive director, GENIVI Alliance told Connected Car, "While there are multiple potential uses for the application, we believe the GVS is the most comprehensive open source vehicle simulator available today. Its first use is to test our new GENIVI Development Platform user interface in a virtually simulated environment, to help us identify and execute necessary design changes quickly and efficiently."

According to the Genivi Alliance, the project is open to all individuals wishing to collaborate, contribute, or just use the software. The GVS is said to provide a realistic driving experience with a number of unique features including:

- **Obstacles** – Obstacles may be triggered by the administrator while driving. If the driver hits an obstacle in the virtually simulated environment, the event is logged as an infraction that can be reviewed after the driving session.
- **Infraction Logging** – A number of infractions can be logged including running stop signs, running red lights, vehicles driving over double yellow lines on a single highway and collisions with terrain, other vehicles, obstacles, etc.
- **Infraction Review** – At the end of a driving session, the administrator and driver can review infractions from the most recent session, with screenshots

of the infraction along with pertinent vehicle data displayed and saved.

Also see elsewhere in this issue for Connected Car's video interview with Ansible Motion, which develops advanced driver-in-the-loop simulators.

## PSA GROUP TO EQUIP MILLIONS OF CONNECTED CARS WITH GEMALTO M2M SOLUTION

Digital security company Gemalto has been chosen for factory-fitting PSA Group's next generation of connected cars with its LinqUs On-Demand Connectivity solution, aligned with GSMA specifications. Gemalto's technologies and services are intended to enable businesses and governments to authenticate identities and protect data so they stay safe and enable services in personal devices, connected objects, the cloud and in between.

PSA Group commented that this move gives them complete flexibility over subscription management, which is crucial in view of the long automotive life-cycle and enables PSA to roll out an efficient tele-maintenance system to its connected vehicles with reduced operational costs, and to ensure hassle-free updates for drivers. The joint effort will ultimately encompass all new vehicles produced by PSA.

Gemalto's On-Demand Connectivity solution is based on its auto-grade Cinterion MIM, which can be deployed across all models and regions. This enables the automobile manufacturer to tailor connectivity packages to different customer and market requirements around the world, and to manage them flexibly over the long automotive life-cycle.

PSA believes that with Gemalto's solution, it will be able to offer a rich mix of connected services such as communication between connected vehicles, in-car infotainment, navigation

and emergency assistance, sparing its customers the inconvenience of searching for a service station. Fleet management and software updates can be done remotely, so Peugeot, Citroën and DS dealerships can check vehicle health in advance and maximize up-time.

Benoit Jouffrey, Vice President On-Demand Connectivity for Gemalto told Connected Car, "This landmark contract reflects our long-term engagement with the automotive sector and we fully share and support PSA Group's progressive vision for the connected car," said. "All mobile operators globally will reap the benefits of becoming key connectivity enablers for the Internet-of-Things."

## STANDARD FIT BLUETOOTH HITS 61% IN GERMAN NEW CAR MARKET

A new report 'Car Connectivity in the German New Car Market' from Jato Dynamics reveals the Bluetooth stat above, and observes that the market is reaching a tipping point as connectivity in cars becomes an increasingly important consumer differentiator. Jato believes that EU road safety regulations will have a major impact on the availability of connectivity features in the future. "Hands-free" driving and mandatory eCall installations will boost the connectivity market going forward, with safety concerns the driving force behind this.

Navigational systems for example already play a major role as an information source in vehicles and will most likely grow further. Internet and satellite radio open up new avenues for connection, but from a low level of penetration today.

Jato predicts that the rapidly expanding market for connectivity features and capabilities and the application of emerging technologies in automotive will continue to be extremely interesting for both manufacturers and consumers.