



For Immediate Release

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Avnu Alliance Automotive Interoperability Specification Now Publicly Available; Certification Enters Pilot Phase

**Avnu Alliance members to showcase proof-of-concept TSN demo at the 2016 IEEE
Ethernet & IP Automotive Technology Day in Paris.**

Beaverton, OR – September 14, 2016 – [Avnu Alliance](#), the industry consortium driving open, standards-based deterministic networking, announces that their Automotive Ethernet AVB Functional and Interoperability Specification (derived from the Avnu Automotive Profile), is now available to the public.

Over the past decade, consumer demand has driven increase for in-vehicle audio and video features and infotainment options such as DVD/Blu-Ray playback, cameras, Rear Seat Entertainment (RSE) and vehicle navigation systems. These devices have increased the need for a common networking architecture for fast vehicle start-up and reliable operation of automotive infotainment devices as well as emerging autonomous vehicle systems. AVB/TSN is the standard that sets the foundation for car makers to use the same Ethernet network for real-time and non real-time communications, at much higher speeds than legacy automotive communication buses – needs that are becoming even more critical as the industry moves into autonomous driving systems.

Months of effort within the Avnu working groups, including experts in automotive systems, network switching, and time sensitive systems resulted in the Avnu Alliance Automotive Ethernet AVB Functional and Interoperability Specification. This document defines a common baseline among multiple standard options within the Ethernet AVB set of standards with additional functionality required by automotive devices, and forms the foundation for a streamlined certification process for those functions the representatives agreed should be common and interoperable. The Avnu Automotive Profile simplifies the specification process for Automotive OEMs, and enables faster time-to-market, better reuse, lower costs, and easier integration for global automotive manufacturers.

“Avnu provides a common baseline that manufacturers can reference for their AVB requirements. Making the Avnu Automotive Profile a public document also provides automotive suppliers with helpful guidelines for implementing AVB into their products,” said Kevin Stanton, Chairman for Avnu Alliance. “The cooperative efforts of leading automotive OEMs and their ecosystems, have produced a recipe for successful Ethernet AVB in infotainment devices that promotes an interoperable ecosystem for the worldwide automotive market.”

With the Interoperability Specification complete, the first phase of interoperability and conformance certification is now underway. During this initial pilot phase, early products are being verified against the Avnu Automotive Profile. Avnu is refining and optimizing the test

procedures before transitioning to general availability of the Avnu Automotive Certification Program at all Avnu recognized test facilities.

Avnu Alliance is participating in the 2016 IEEE Standards Association (IEEE-SA) [Ethernet & IP @ Automotive Technology Day](#) in Paris, France on September 20 – 21, 2016. In addition to demos at their stand during the event, Avnu member Frank Baehren, Intel, will present “Avnu-certified Time Sensitive Networking: Realistic and Interoperable” on September 21, 2016 at 11:00 am.

More information on Avnu Alliance and the Automotive Ethernet AVB Functional and Interoperability Specification can be found [here](#).

About Avnu Alliance

The Avnu Alliance is a community creating an interoperable ecosystem of low-latency, time-synchronized, highly reliable networked devices using open standards. Avnu creates comprehensive certification programs to ensure interoperability of networked devices. The foundational technology enables deterministic synchronized networking based on IEEE Audio Video Bridging (AVB) / Time Sensitive Networking (TSN) base standards. The Alliance, in conjunction with other complimentary standards bodies and alliances, develops complete solutions in professional AV, automotive, industrial control and consumer segments.

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