



25 October 2018

To: **3GPP SA**

Subject: **Liaison Request between 3GPP SA & ISO TC204 WG16**

ISO TC204 WG16 is a standards development organization within the Intelligent Transportation Solutions Technical Committee TC204 focused on wireless communications enabling V2X as well as defining the ITS Station Architecture. The ITS Station Architecture facilitates usage of multiple communication mediums on a singular platform thus providing a communications agnostic system for V2X services.

ISO TC204 WG16 is developing international standards ISO 17515-2 *Intelligent transport systems -- Communications access for land mobiles (CALM) -- Evolved universal terrestrial radio access network (E-UTRAN) -- Part 2: Device to device communications (D2D)* and ISO 17515-3 *Intelligent transport systems -- Evolved-universal terrestrial radio access network -- Part 3: LTE-V2X*. These standards will enable use of LTE-D2D and LTE-V2X as ITS station access technologies by referencing specifications from 3GPP. ISO 17515-2 and ISO 17515-3 will specify details of the 'Communication Adaptation Layer' (CAL) and the 'Management Adaptation Entity' (MAE) interfaces specified in ISO 21218:2018 with specific consideration of LTE.

In the development these specifications in ISO TC204, WG16 has generated a number of technical questions that it is believed only 3GPP experts can answer. We therefore respectfully request dialog with 3GPP SA. Specific issues to be addressed include:

- The use of PSID/ITS-AID in determining Layer 2 destination ID. ISO TC204 experts are divided on whether the ITS-AID is a lower layer address (which would be problematic) or a mapping. We request a detailed explanation for L2 ID and its configurable mapping table.
- Definition of "V2X message family" and "L3 protocol data unit types". We understand that we can refer to C51 specification TS 24.386, but a diagram or map would be helpful.

ISO TC204 WG16 also requests that in the future (e.g., Rel-16) that dialog with ISO TC204 experts be arranged so that our perspective on destination IDs of Application Servers and the specifics on the unicast mechanisms are understood and considered by 3GPP SA. Such efforts will greatly facilitate the adoption of future 3GPP-specified V2X specifications into the ITS station framework.

ISO TC204 WG16 appreciates the opportunity to collaboratively work together in order facilitate open and interoperable standards for the V2X ecosystem. Should you have any questions regarding this request, please contact Steve Sprouffske at 760.525.5454 or steve.sprouffske@kapsch.net. You may additionally contact my rapporteur Mitch Tseng at mitch@t-infoserv.com or Jim Misener at jmisener@qti.qualcomm.com.

Yours Truly,

ISO TC204 WG16

By: 

Steve Sprouffske

Convener, ISO TC204 WG16

Dated: 10/25/2018

cc: Mitch Tseng, Jim Misener