Title:	LS on Establishment of SAE Cellular V2X Technical Committee and Associated Task Forces
Response to:	-
Work Item:	-

Source:	SAE C-V2X TC
To:	*3GPP, C-ITS, C-SAE, ISO TC204, IEEE 1609 WG, ETSI TC-ITS, IETF IPWAVE WG, ARIB, TTA, 5GAA, ITE, AASHTO (NTCIP Joint Committee, NEMA), ITU-T CITS, ITU-R SG5 WP5A SWG-ITS, ATIS, ITS Korea, ERTICO, ITS Japan, ITS Canada*
Cc:	

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Send any reply LS to: Elizabeth Perry Elizabeth.Perry@sae.org and Keith Wilson Keith.Wilson@sae.org

Attachments: -

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1. Overall Description:

The SAE Cellular V2X Technical Committee (C-V2X TC) was formed in June, 2017 with the following charter:

The SAE Cellular V2X Technical Committee reports to the Vehicle Engineering Systems Group of the Motor Vehicle Council. The Committee is responsible for adapting, developing and maintaining SAE Standards, Recommended Practices, and Information Reports that use cellular radio access technologies and specifically, evolving 4G LTE and 5G cellular technologies that require interoperability and performance standards for road vehicles and other road users in order to use the full capabilities of these technologies. The committee also coordinates task force efforts to ensure efficient development and delivery of SAE documents, acts as liaison to the other organizations involved in the with vehicular-oriented cellular standards and deployments, and organizes efforts in gathering requirements for SAE standardization and assigns them to distributed task forces. The C-V2X Technical Committee will work closely with the SAE DSRC Technical Committee and with their documents to assure efficient reuse and adjustment as appropriate, e.g., strive to maintain a single data dictionary. Participants in the SAE C-V2X TC include vehicle OEMs, vehicle suppliers, mobile network operators, mobile network operator equipment suppliers, mobile handset manufacturers, chipset manufacturers, road operators, traffic equipment suppliers, consulting firms, government, and other interested parties.

At the current time, three Task Forces constitute the C-V2X TC. The Task Forces and charters are:

<u>CV2X Advanced Applications Task Force</u>: Develop definitions of terms, use cases, recommended practices, guidelines, test methods, specifications and performance standards for vehicles connected using C-V2X, focusing on advanced V2X applications (i.e., applications that cannot be supported by DSRC and Rel-14 LTE-V2X) that deal with 5G (3GPP NR and LTE evolution) to leverage enhanced mobile broadband, use of millimeter wave and other anticipated radio access technologies, and the next generation core network including enablers such as NFV/SDN, edge computing, and network slicing. The task force will encourage research in these areas, and sponsor and facilitate the development of related standards. The work of this task force will be coordinated with other task forces in C-V2X Technical Committee, as well as other V2X related technical committees and standards organizations such as 3GPP, ATIS, GSM Association, DSRC Technical Committee, On-Road Automated Driving (RAD) Technical Committee, ITU-T and ETSI.

<u>CV2X Direct Communication Task Force</u>: Develop definitions of terms, use cases, recommended practices guidelines, test methods, specifications and performance standards for vehicles connected using C-V2X, focusing on safety applications that include cooperative awareness, warning notification, safe lane change, safe intersection and roundabout crossing, etc. Important topics of security, reliability, and quality of service will be part of the charter. The task force will encourage research in these areas, and sponsor and facilitate the development of related standards. The work of this task force will be coordinated with other task forces in C-

V2X Technical Committee, as well as other V2X related technical committees and standards organizations such as DSRC Technical Committee, On-Road Automated Driving (RAD) Technical Committee, 3GPP, ISO, ITU-T and ETSI.

CV2X Road Operators Task Force: Work with the ground transportation operating community to identify its high-level needs and develop standards, recommended practices, and information reports to address those needs.

2. Actions:

To *(SDOs and industry organizations)***:**

ACTION: The SAE C-V2X welcomes mutual consideration and communication as we jointly standardize applicable interoperability and performance specifications to fully leverage 4G LTE and 5G cellular radio access technologies.

3. Date of Next SAE C-V2X Meetings:

3rd Wednesday of every month, 1000 Eastern Time US	WebEx
14-15 March, 2018	Southeast Michigan or Newark NJ (TBD)