ITU-T SG17 Input on DSSAD

1.   Review of the existing ITU-T SG17 activities

ITU-T SG17

ITU-T Study Group 17 (SG17), as the lead Study Group on Security in ITU-T, works on security aspects including generic security architecture, mechanisms and management guidelines for heterogeneous networks/systems/services, cloud computing, intelligent transportation systems (ITS) including V2X communication, the 5G cellular network, software-defined networks, Internet-of-Things, protection of the personally identifiable information (PII). Question 13 of SG 17 (Q13/17) is the lead Question for developing ITU-T Recommendations regarding security aspects for ITS.

ITU-T Q13/17 has a DSSAD/EDR related working item under development, X.edrsec "Security guidelines for cloud-based data recorders in automotive environment". The X.edrsec aims to deliver security requirements and possible solution to securely deliver data stored in a vehicle to a back-end server or cloud. It is scheduled to be determined for approval no later than September 2021.

As DSSAD/EDR IWG develops regulations further, X.edrsec can provide a possible methodology and security requirements to be considered in rulemaking of DSSAD/EDR especially in back-end storage.

2.   Way forward for DSSAD

ITU-T SG17

For way forward for DSSAD covering SAE level higher than 3, ITU-T SG17 Q13 believes that storing data of DSSAD will increase dramatically, requiring back-end storage essentially. In the need of back-end storage, collaboration of ITU-T SG17 and DSSAD/EDR IWG would be beneficial for both standardization and setting regulation.