4 Conclusion

Connected vehicles are considered as the key enabling technology in ITS environment which includes autonomous driving technology. However, connected vehicles without security function can make ITS applications vulnerable to various security threats. Based on this requirement, many standard organizations are working on making international standard related with vehicular communication security.

This paper reviewed the standardization issues on ITS security especially in ITU-T SG17. X.itssec-1, Software Update Capability for ITS Communications Devices, is in the final determination procedure. X.itssec-2, Security Guidelines for V2X Communication Systems, is still in on-going standardization. Contributions on X.itssec-2 are encouraged to improve the recommendation.

In particular, automotive industry such as Hyundai Motor Group became a member of ITU [9]. It means that standardization on ITS security is essential not only for IT security industry but also for automotive industry. Furthermore, privacy issues in vehicular environment should be considered and developed in SDOs.

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