

Next Generation Mobile Networks

NGMN Liaison Statement on V2X White Paper Publication



Title: NGMN Publication White Paper on V2X

Source: NGMN Alliance V2X Task-Force

To: 5GAA

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Contacts: Klaus Moschner (klaus.moschner@ngmn.org)

Feng Li(lifengyiy@chinamobile.com)

Johannes Springer (johannes.springer@t-systems.com)

1. About the NGMN Alliance

The NGMN Alliance is an industry organization of leading world-wide Telecom Operators, Vendors and Research Institutes (see www.ngmn.org) and was founded by international network operators in 2006. Its objective is to ensure that the functionality and performance of next generation mobile network infrastructure, service platforms and devices will meet the requirements of operators and, ultimately, will satisfy end user demand and expectations. The NGMN Alliance will drive and guide the development of all future mobile broadband technology enhancements with a focus on 5G. The targets of these activities are supported by the strong and well-established partnership of worldwide leading operators, vendors, universities, and successful co-operations with other industry organisations.

2. NGMN 5G Work-Programme and the NGMN V2X Task-Force

In February 2015 the NGMN Alliance published its 5G White Paper providing consolidated 5G operator requirements. Subsequently in 2016, NGMN published a number of deliverables to detail on the requirements and architecture as well as business principles, including views on the vertical industry applications. In June 2016, NGMN started a further extension of its 5G-focused work-programme with the launch of new additional work-items for the coming years: 5G Trial & Testing Initiative, End-to-end Architecture Framework, and the V2X Task-Force. Main objective of the V2X Task-Force is to reduced time to market of C-V2X and triggering co-operation with the automotive industry in order to create a common understanding amongst key players.

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3. Intention of the LS and required actions

NGMN is pleased to inform the recipients of this liaison statement that the White Paper of V2X has been published.

The document compares the C-V2X technology with IEEE 802.11p standards from a technical, economical and eco-system perspective and concludes that C-V2X technology is superior to IEEE 802.11p standards. The document also covers various deployment aspects of the Connected Car, including multi-operators operation, business models, available spectrum and regulatory aspects, security and privacy issues.

The white paper also makes reference to the valuable contributions of the 5GAA with regards to the timeline for the go-to market approach of C-V2X.

NGMN kindly requests the recipients of this liaison to take the content of this White Paper and the recommendations into account for their ongoing work.

References

https://www.ngmn.org/fileadmin/ngmn/content/downloads/Technical/2018/V2X_white_paper_v1_0.pdf