

Next Generation Mobile Networks

NGMN Liaison Statement on the NGMN 5G End-to-End Architecture Framework



Title: NGMN Paper on 5G End-to-End Architecture Framework.

Source: NGMN Alliance Project P1 E2E Architecture Framework

To: 3GPP TSG SA, TSG RAN, 3GPP TSG SA WG1, 3GPP TSG SA WG2 3GPP TSG SA WG3, TSG SA WG3-LI, 3GPP TG SA WG5, ETSI ISG NFV, ETSI ISG MEC, ETSI SAGE, ETSI TC CYBER, ETSI TC LI, Broadband Forum, Wireless Broadband Alliance, IEEE LAN/MAN, MEF, TM Forum.

CC: None.

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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, Requirements and Architecture (P1)

In February 2015 the NGMN Alliance published its 5G White Paper providing consolidated 5G operator requirements. In June 2016 NGMN launched the second phase of its 5G-focused work-programme that is building on and developing end-to-end architecture principles from the 5G White Paper and the first phase of work in project P1, with the intention of deriving an end-to-end architecture framework which can support the standardisation and subsequent availability of 5G for 2020 and beyond.

3. Intention of the LS and required actions

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NGMN is pleased to inform the recipients of this liaison statement that the first version of the NGMN 5G End-to-End Architecture Framework has been published.

The document provides a high-level framework of architecture principles and requirements that provide guidance and direction for standards development organisations in the shaping of the fifth-generation suite of interoperable capabilities, enablers, and services. It builds on the architectural concepts and proposals implied by the NGMN White Paper of February 2015 and subsequent deliverables published by NGMN.

The document will be maintained and future versions are anticipated in order to reflect further forward-looking architecture requirements as they arise.

NGMN kindly requests the recipients of this liaison to consider the architectural principles and requirements in the attached document and to use them as part of the basis for their ongoing work on the industry-wide 5G Architecture.

References

None.