Next Generation Mobile Networks
NGMN Liaison Statement to 3GPP TSG SA WG2

Title: NGMN Paper on Edge Computing

Source: NGMN Alliance Project P1 Requirements & Architecture WS#1 E2E Architecture

To: 3GPP TSG SA WG2

CC: 3GPP TSG SA, SA WG1, TSG RAN, TSG RAN WG 3, ETSI ISG MEC, Broadband Forum, Wireless Broadband Alliance, IEEE LAN/MAN.

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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 2015 NGMN has launched a 5G-focused work-programme that has built on and further evolved the White Paper guidelines with the intention to support the standardisation and subsequent availability of 5G for 2020 and beyond.
A key activity in the work-programme is the Requirements and Architecture (P1). The objective of P1 is to provide timely, well informed technical requirements and architectural principles to the relevant SDOs & ITU-R. P1 focuses on end-to-end system and refining and prioritising results from the NGMN 5G White Paper.

3. Intention of the LS and required actions

Since June 2016 the NGMN Requirements and Architecture (P1) WS1 E2E Architecture group has been compiling a paper on Edge Computing. The paper identifies use cases from the NGMN 5G White Paper and the 3GPP SA1 SMARTER TR that could be satisfied by implementing Edge Computing as part of the solution. A small number of new use cases identified during the work were also added.

NGMN kindly requests 3GPP TSG SA WG2 to consider the attached paper and to view it as an input to your ongoing study defining the probable architectural requirements for 5G.

References
None.