



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

**Source:** NGMN Alliance Project P1 E2E Architecture Framework

**To:** 3GPP TSG SA WG2

**CC:** 3GPP TSG SA, TSG RAN

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**Contacts:** Klaus Moschner ([klaus.moschner@ngmn.org](mailto:klaus.moschner@ngmn.org))

Adrian Neal ([adrian.neal@vodafone.com](mailto:adrian.neal@vodafone.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](http://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**

Since communicating an initial set of Architecture Principles to 3GPP TSG WG2 in November 2016 the NGMN Requirements and Architecture (P1) E2E Architecture Framework group has developed their End-to-end Architecture Framework document further. Given the relative timescales of the project and of SA2's work item for the 5G Architecture - Phase 1 it has been decided to share an interim version of the NGMN Architecture Framework document in order for SA2 to become aware of the additional principles agreed thus far, and to see the full scope of the activity.

The final version is expected to be shared with SA2 and other 3GPP and non-3GPP working groups in the next few months.

NGMN kindly requests 3GPP TSG SA WG2 to consider the architectural principles in the attached document in the context of their ongoing work on the 5G Architecture.

### **References**

None.