

# Next Generation Mobile Networks

## NGMN Liaison Statement on Service-based Architecture in 5G



**Title:** NGMN White Paper on Service-based Architecture in 5G

**Source:** NGMN Alliance Project “Service-Based Architecture in 5G”

**To:** 3GPP SA2, 3GPP SA5, ETSI ISG NFV, GSMA

**CC:** 3GPP SA, 3GPP SA3, 3GPP CT, 3GPP CT4

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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](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 SBA Work-Programme, Requirements and Architecture (P1)

In March 2017 the NGMN Alliance approved the work item for “Service-based Architecture in 5G”, with the objective to investigate the SBA approach from an operational perspective and to document the high-level requirements of the SBA approach, the related use cases, and guidelines for operators to leverage a service-based architecture in 5G.

### 3. Intention of the LS and required actions

NGMN is pleased to inform the recipients of this liaison statement that the White Paper of the NGMN Service-based Architecture in 5G has been published.

The deliverable has been created by NGMN Mobile Network Operator-Partners.

The document describes a service framework including service registration, service authorization, and service discovery. Service-based Architecture for 5G is designed in a forward-looking manner, such that the functionalities in 5G Core Network (CN) consist of

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services, the interface between Control Plane (CP) and User Plane (UP) should be Service Based Interface (SBI) and the Data Service should be used. The deployment aspects of SBA are explored along with the gap analysis and recommendations for related SDOs.

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 on the industry-wide 5G architecture.

### References

None.