**3GPP TSG-SA5 Meeting #155S5-243071**

Jeju, South Korea, 27 - 31 May 2024

**Title: LS on update of 3GPP SA5 Rel-18 progress and Rel-19 work plan**

**Response to: -**

**Release: Rel-18/Rel-19**

**Work Item: -**

**Source: 3GPP SA5**

**To: GSMA, NGMN, TM Forum, ITU-T SG13, ITU-T SG5, ITU-T SG2, ETSI ISG ZSM, ETSI ISG NFV, ETSI TC EE, ONAP, O-RAN**

**Cc: 3GPP SA**

**Contact person: Zou Lan (3GPP SA5 Chair)**

**(zoulan<at>huawei<dot>com)**

**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments:** None

# 1 Overall description

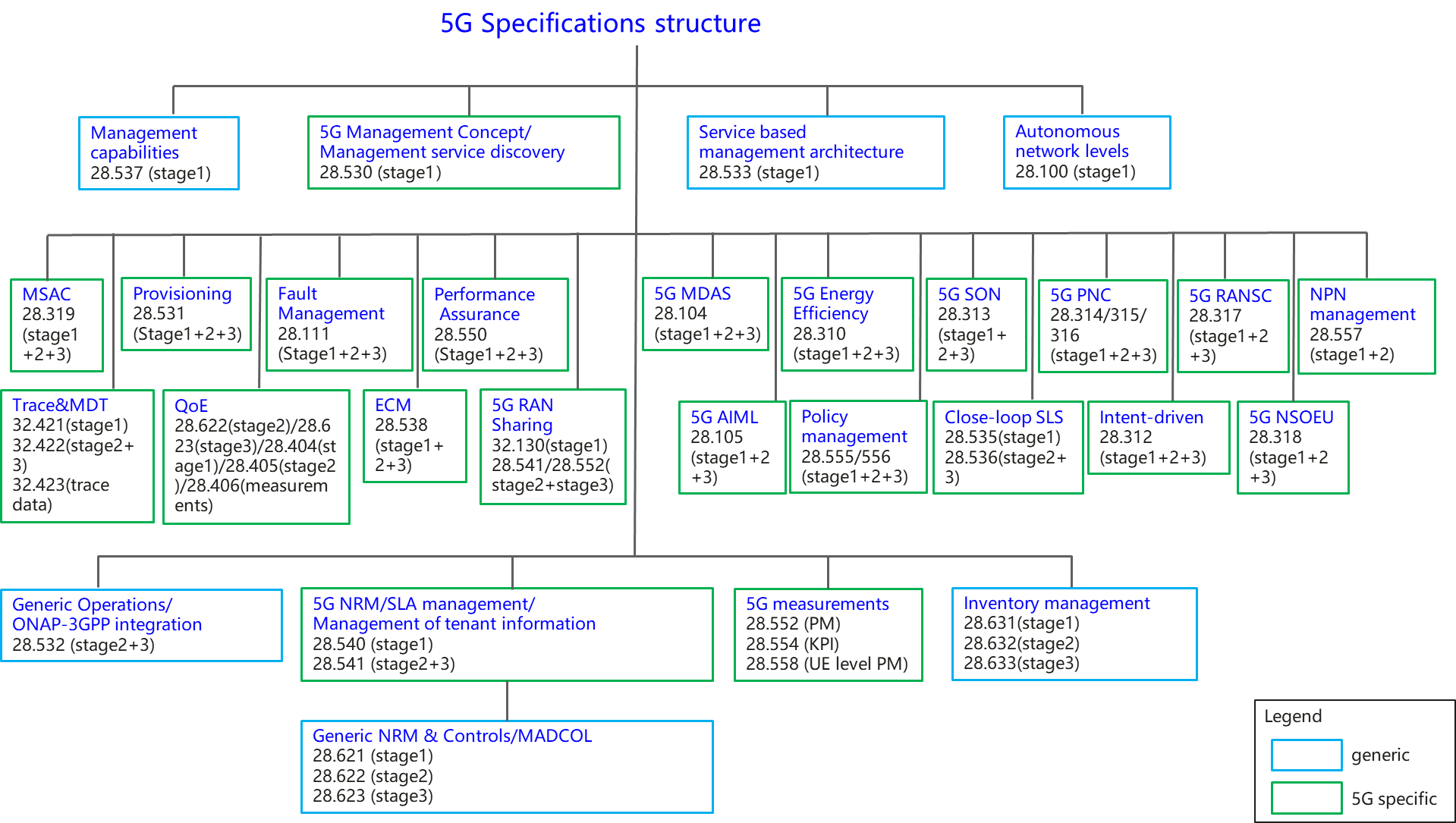
SA5 would like to thank you for your continuous interest to SA5 technical discussion. We would like to inform you about 3GPP SA5 Rel-18 progress and Rel-19 work plan.

The Rel-18 standardization work is completed. In Rel-18, the following aspects are extensively addressed. Summary of 3GPP Rel-18 features are described in TR 21.918 <https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4229> “Release 18 Description; Summary of Rel-18 Work Items”.

* Intelligence and automation
* Management architecture and mechanisms
* Support of new services
* Charging management

**Management and Orchestration including intelligence and automation, management architecture and mechanisms, support of new services.**

The latest 5G management and orchestration features are captured in specifications listed in following diagram (more details can be found in TS 28.533 Annex E):



3GPP SA5 has started Rel-19 management and orchestration study and standardization work from Jan.2024. In the scope of Rel-19, SA5 standardization work includes management and orchestration requirements, management stage 2 and interaction procedures, and stage 3 OpenAPI and YANG solution sets to provide complete management interoperability capabilities for 5G network in multi-vendor environment.

There are 21 Rel-19 management and orchestration topics currently under discussion, the detail information of the topics in captured in <https://forge.3gpp.org/rep/sa5/MnS/-/wikis/pages>

* Study on AI/ML management - phase 2
* Study on Management Data Analytics (MDA) – Phase 3
* Study on intent driven management services for mobile network phase 3
* Study on closed control loop management
* Study on management aspects of Network Digital Twin
* Study on Cloud Aspects of Management and Orchestration
* Study on Enablers for Security Monitoring
* Study on Service Based Management Architecture enhancement phase 3
* Study on Management of planned configurations
* Data management phase 2
* Study on data management regarding subscriptions and reporting
* 5G performance measurements and KPIs phase 4
* 5G Advanced NRM features phase 3
* Subscriber and Equipment Trace and QoE collection management
* Study on Management Aspects of NTN Phase 2
* Study on management of IAB nodes
* Study on management aspects of RedCap feature
* Study on Enhancement of Management Aspects related to NWDAF Phase 2
* Study on Management of Network Sharing Phase 3
* Study on energy efficiency and energy saving aspects of 5G networks and services
* Study on Enhanced OAM for management exposure to external consumers

**Charging management include , , .**

There are 5 Rel-19 charging topics currently under discussion:

* Charging Aspects of Ranging and Sidelink Positioning
* CHF Segmentation
* Study on charging aspects of satellite access Phase 3
* Study on Charging Aspects of Common API Framework
* Study on Charging aspects of next generation real time communication services phase 2

SA5 would like to thank you for your interest in Rel-18 progress and is looking forward for future cooperation on Rel-19 topics.

# 2 Actions

**To GSMA, NGMN, TM Forum, ITU-T SG13, ITU-T SG5, ITU-T SG2, ETSI ISG ZSM, ETSI ISG NFV, ETSI TC EE, ONAP, O-RAN**

**ACTION:**

SA5 kindly asks to take the above information into account.

# 3 Dates of next TSG SA WG 5 meetings

SA5#156 19 August - 23 August 2024 Maastricht, Netherlands

SA5#157 14 October - 18 October 2024 Hyderabad, India