3GPP TSG SA WG5 Meeting 137-e TDoc <S5-213444>

electronic meeting, online, 10 - 19 May 2021

**Title: Reply LS to TM Forum on Multi-SDO Autonomous Networks**

**Response to: LS S5-213028 on Multi-SDO Autonomous Networks (AN) Formal Liaison: 19th April 2021 Meeting Invitation, agenda, Bridge, and Meeting Schedule from TM Forum**

**Release: <Rel-17>**

**Work Item: 6.1**

**Source: 3GPP SA5**

**To: TM Forum**

**Cc: 3GPP SA**

**Contact person:**

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

**Attachments:** None

# 1 Overall description

TSG SA WG5 thanks TM Forum for their LS on Multi-SDO Autonomous Networks (AN) Formal Liaison: 19th April 2021 Meeting Invitation, agenda, Bridge, and Meeting Schedule.

SA5 would like to share the following information with TM Forum:

1. SA5 is currently working on Rel-17 work items and study items, the following listed topics may be potentially related to Autonomous Networks.

|  |  |
| --- | --- |
| **Rel-17 OAM&P Studies** |  |
| Study on autonomous network levels **(finished)** | FS\_ANL |
| Study on enhancement of Management Data Analytics Service**(finished)** | FS\_eMDAS |

|  |  |
| --- | --- |
| **Rel-17 Operations, Administration, Maintenance and Provisioning (OAM&P)** |  |
| Autonomous network levels | ANL |
| Intent driven management service for mobile networks | IDMS\_MN |
| Network policy management for 5G mobile networks | NPM |
| Enhanced Closed loop SLS Assurance | eCOSLA |
| Enhancements of Self-Organizing Networks (SON) for 5G networks | eSON\_5G |
| Enhancement of Handover Optimization | E\_HOO |
| Generic Plug and connect | PACMAN |
| Enhancements on EE for 5G networks | EE5GPLUS |
| Discovery of management services in 5G | 5GDMS |
| Enhancements of Management Data Analytics Service | eMDAS |

2. 3GPP SA5 has specified the following concepts and definitions which are related to Autonomous Networks, SA5 is happy to cooperate with other SDOs on autonomous networks topic, we suggest to align the following definitions and concepts.

* Autonomous Network (TS 28.100)
* Autonomous Network level (TS 28.100)
* Intent driven management (TS 28.312)
* Control loops (TS 28.535, TS 28.536)
* Management data analytics (TS 28.104)

You could find the draft specifications in the following link, <https://www.3gpp.org/DynaReport/28-series.htm>. Please note the specifications are still under discussion.

3. SA5 has discussed the following table from TM Forum, [SDO Completed and Planned AN Activities Tables - AN-SDO Collaboration - TM Forum Confluence](https://projects.tmforum.org/wiki/display/ASC/SDO+Completed+and+Planned+AN+Activities+Tables). We have the following questions for clarifications before the table can be filled.

a. The purpose of the table needs more clarification. What goal to achieve with the collected information from multiple SDOs? Please also note if the collection is about the Rel-17 ongoing work, the information may change frequently depends on the progress of the Rel-17 standardization discussion.

b. Need more clarification on “domain#”, “function name”, “interfaces#”. It’s not very clear from the example given in the table. For example, “2 Service Operation” doesn't look like an example of domain.

4. In the LS from TM Forum, WP01r1, WP02 and SP01 were mentioned, but the related references are not provided in the LS. It would be better to share the information if needed.

5. SA5 would like to share the future meeting calendar in 2021, we would like TM Forum consider to avoid the following dates when Multi-SDO meetings are planned.

SA5#138e 23-31 August 2021 e-meeting

SA5#139 11-15 October 2021 TBD

SA5#140 15-19 November 2021 TBD

Potential Rapporteur calls Thursday 14:00 CET~16:00 CET between SA5 meetings.

SA5 is happy to cooperate with TM Forum and share experiences on autonomous networks related topics.

# 2 Actions

**To TM Forum**

**ACTION:** Please kindly take the above feedback into consideration and provide feedback if needed.

# 3 Dates of next TSG SA WG 5 meetings

SA5#138-e 23 - 31 August 2021 electronic meeting