**Rapporteurs’ Rel-18 topics status report**

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| **Rel-18 Study on Deterministic Communication Service Assurance**  **(FS\_DCSA) (Huawei)**  **Approved SID: (SP-211442)** | | |
| **Current completion** | **92%** | |
| **Completion target** | **SA5#153/SA#103 (Mar 2024)** | |
| **WoP** | **Description** | **Status & plan** |
| **FS\_DCSA\_WoP#1** | 1. Investigate the scenarios and procedures for deterministic communication services; | **Completed:**   * Add overview to analysis typic scenarios and application for deterministic communication services * Analysis of requirements to deterministic communication and service |
| **FS\_DCSA\_WoP#2** | 2. Study the potential enhancement of provisioning of deterministic communication services, e.g., deployment of the related network functions according to the SLA requirements; | **Completed:**   * Add management framework of deterministic communication service assurance |
| **FS\_DCSA\_WoP#3** | 3. Potential enhancements related to performance management and fault management to support deterministic communication services, e.g. potential new performance measurements related to clause 5 of TS 22.104, service quality degradation related fault management etc;  4. Study if there are any gaps in the existing service profile and slice profile to support deterministic communication services; | **Completed:**   * Analysis of network and management aspects related to deterministic communication service * Add report of achievable reliability information * Add Service and network analysis |
| **FS\_DCSA\_WoP#4** | 5. Study key issues and solutions for the operation and assurance of deterministic communication services; | **Completed:**   * Add deterministic communication service assurance for video monitoring. * Add deterministic communication service assurance for PLC control. |
| **FS\_DCSA\_WoP#5** | 6. Relation and potential enhancements to eCOSLA MnS to support deterministic communication services; | Work on-going & to be finalised:   * Will be out of the scope in Revised SID on deterministic communication service assurance(New CR) |

**Plan for SA5#153: Submit 4 CRs for approval to finalize this SID**

* Address contributions related to the item mentioned above, and additional items such as definitions and rapporteur clean up.
* Prepare the Study Item Summary for submission to SA.