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

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| **Rel-18 Study on Fault Supervision Evolution (FS\_FSEV) (Huawei)** **Approved SID: (SP-220513)** |
| **Current completion** | **65%** |
| **Completion target** | **SA5#153/SA#103 (Mar 2024)** |
| **WoP** | **Description** | **Status & plan** |
| **FS\_FSEV\_WoP#1** | 1. The relationship between fault supervision evolution and other aspect, e.g. performance management | **Completed:*** Add issue and potential solutions for missing definitions, description and potential solutions

Work on-going & to be finalised:* Add description of relation with performance management and solution of performance degradation (2 New CRs)
* Add conclusion of missing definitions (1 New CR)
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| **FS\_FSEV\_WoP#2** | 2. How fault supervision evolution supports 5G use cases, such as 5G SLS deterioration, risk prediction | **Completed:*** Add failure prediction enhancement
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| **FS\_FSEV\_WoP#3** | 3. Relation and interaction with eMDAS and eCOSLA for evolved fault supervision, e.g., how to take advantage of and integrate eMDAS capabilities into the solutions and if any, recommended capabilities needed for eMDAS enhancements.4. Whether there are use cases in eMDAS and eCOSLA that are not covered by the existing Fault Supervision.5. Whether new capabilities and additional alarm data are needed to support eMDAS and eCOSLA.  | **Completed:*** Add fault supervision evolution relation and interaction with MDA and closed loop control
* Add fault impact analysis
* Add fault cause analysis enhancement

Work on-going & to be finalised:* Add conclusion of potential enhancement for fault related analysis and conclusion and recommendations (2 New CRs)
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**Plan for SA5#153: Submit 7 CRs for approval to finalize this SID**

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