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| **TSAG** | |
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| **Source:** | | Chairman, ITU-T SG13 | | |
| **Title:** | | Status of ITU-T Study Group 13 preparations for next study period (NSP) | | |
| **Purpose:** | | Information | | |
| **Contact:** | | Leo Lehmann Switzerland | | Email: [tsbsg13@itu.int](mailto:tsbsg13@itu.int) |

Study Group 13 (SG13) has now started its preparatory work related to updates of the text of WTSA Resolution 2 and the Questions texts for the next study period. At its Joint Rapporteur Group meeting in June 2019 an adhoc Group on Next Study period Preparation (adhoc NSP) was established as first step with the goal to start to identifying SG13 study areas that are relevant in the upcoming study period.

IMT-2020 becomes mature and the industry is moving from the study phase to the implementation phase. Consequently, future work of SG13 on IMT-2020 non radio related network aspects consists of maintenance of related achievements and new studies concerning the application of IMT-2020 in different business scenarios. It is expected that compared to current study period less activities related to IMT-2020 remain in SG13.

SG13 studies regarding Information Centric Networking (ICN), also known as Data-Aware Networking (DAN) are considered as an important technology for future networks and will be continued in NSP.

In addition emerging network concepts beyond 5G will gain significant relevance in NSP including studies on ManyNets Architecture, Deterministic Networks and terrestrial/satellite network convergence. Currently, FG network 2030 is working in this area. Also network intelligence will be a major study subject in the next study period. AI/ML will play roles in this area. Currently, FG-ML5G are working in this area. The results of these FG’s including the identified standardisation gaps are considered to form one of the SG13 key activities in NSP.

Study work related to Cloud Computing, Big data and Trustworthy Networks is ongoing well and can be considered to be successfully continued in the next study period. New areas such as multi-cloud, cloud native, software defined server, big data market place and data quality are the candidate areas for SG13 in the next study period.

Current work on network Softwarization aspects i.e. applying computing technologies to networking and vice versa will be continued and might become some unique activity of SG13 in NSP.

This study period SG13 has initiated new topic QKDN. This topic and generally Quantum are considered to be highly relevant SG13 study areas in NSP.

The text above reflects a very initial state of SG13 discussions related to NSP. It should be considered as a first input for information to TSAG. More details and first drafted modifications related to the text of Resolution 2 as well as SG13 Questions by adhoc NSP are expected from the upcoming SG13 meeting in October 2019.

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