|  |  |
| --- | --- |
| **Radiocommunication Study Groups** |  |
|  |  |
|  |  |
| Received: 28 September 2018 | **Document 5D/1050-E** |
| **1 October 2018** |
| **English only  TECHNOLOGY ASPECTS** |
| Apple Inc., AT&T, Inc., British Telecommunications Public Ltd. Co. (BT Plc), Broadcom Corporation, China Mobile Communications Corporation, China Telecommunication Corporation, China Unicom, DaTang Telecommunication Technology & Industry Holding Co. Ltd., Deutsche Telekom AG, Electronics and Telecommunications Research Institute (ETRI), Etisalat, Fujitsu Limited, Huawei Technologies Co. Ltd., Intel Corporation, Keysight Technologies,  KDDI Corporation, InterDigital Communications, Inc., KT Corporation, LG Electronics, Inc., LG Uplus, Ligado NETWORKS LLC, Mitsubishi Electric Corporation, Motorola Mobility LLC, NEC Corporation, Nokia Corporation, NTT DOCOMO, Inc., Orange, Panasonic Corporation, Qualcomm, Inc., Rohde & Schwarz GmbH & Co. KG, Samsung Electronics Co., Ltd., Sharp Corporation, SK Telecom, SoftBank Corporation, Sony Corporation, Sprint Corporation, Swisscom SA, Telecom Italia S.p.A., Telefon AB - LM Ericsson, Telefónica, S.A., Telenor ASA, Telia Company AB, Telstra Corporation Limited, Thales SA, Verizon Communication Corporation., Vodafone Group Plc, Xilinx Incorporation, ZTE Corporation[[1]](#footnote-1),[[2]](#footnote-2) | |
| Preliminary Description Template and Self-Evaluation of 3GPP 5G candidate for inclusion in IMT-2020 | |
|  | |

Following the Liaison Statement to External Organizations on Further progress in development of the ITU-R Recommendation for the terrestrial components of the IMT-2020 radio interface(s) (Doc. [5D/758](https://www.itu.int/md/R15-WP5D-C-0758/en), Att.7.4), and the preliminary announcement made by 3GPP during the ITU-R “Workshop on IMT-2020 terrestrial radio interfaces”, 3GPP would like to contribute to the development of IMT-2020 radio interface(s) by submitting the Updated Description Template, Initial Compliance Templates, and Preliminary Self Evaluation Report, of its 5G solution:

• Submission 1

° SRIT

■ Component RIT: NR

■ Component RIT: EUTRA/LTE

• Submission 2

° NR RIT

• Naming

° Name: 5G

° Footnote: Developed by 3GPP as 5G, Release 15 and beyond

This document provide the Updated Description Template, Initial Compliance Templates, and Preliminary Self Evaluation based on the content of 3GPP Release 15 Specifications.

The scope of this document is to allow the Independent Evaluation Groups to familiarise with the 3GPP 5G solution for IMT-2020 and allow them to prepare the evaluation activity.

This Submission is not final. Therefore, it will be updated on the basis of 3GPP workplan and the Final submission will be delivered according to WP 5D timeplan.

The following documents are provided in attachment.

**Attachment 1:** characteristics template for SRIT.zip



**Attachment 2:** characteristics template for NR RIT.zip



**Attachment 3:** compliance template for SRIT and NR RIT.zip



**Attachment 4:** additional information – link budget.zip



**Attachment 5:** additional information – Preliminary self-evaluation report (TR37.910 v1.0.0).zip



\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. This contribution was developed in 3GPP TSG RAN, approved by the Organizational Partners of the 3GPP PCG, and it is being submitted by the co-sourcing companies on behalf of 3GPP (source: PCG41\_08). [↑](#footnote-ref-1)
2. The following 3GPP companies also stated their support to this contribution: Alibaba (China) Group., Ltd., Asia Pacific Telecom, ASTRI, ASUS, Chunghwa Telecom, Hisilicon Technologies Co. Ltd., Institute for Information Industry (III), Lenovo Corporation, Leonardo S.p.a., Mavenir, MediaTek, Microelectronics Technology Inc (MTI), NBN, OMESH, OPPO, Pivotal Commware Inc, Rogers, Runel, Sequans Communications Ltd., Sierra Wireless, Skyworks Solutions, Inc., Spirent Communications, Spreadtrum Communications, SyncTechno Inc., Tencent, T-Mobile USA, Turkcell, U-blox AG, VIAVI Solutions inc., Vivo Mobile Communication Co. Ltd, Xiaomi [↑](#footnote-ref-2)