**3GPP TSG-RAN WG4 Meeting #96-e R4-2011679**

**Electronic Meeting, 17th – 28th Aug., 2020**

**Title:** LS on Rel-16 RAN4 UE features lists for LTE and NR

**Response to:** -

**Release:** Rel-16

**Work Items:**

**Source:** RAN WG4

**To:** RAN WG2

**CC:** RAN WG1

**Contact Person:**

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**Attachment:**  R4-2011680.zip (RAN4 UE features list in Rel-16)

**1. Overall Description:**

RAN4 has been discussing on Rel-16 RAN4 UE features lists. After the discussion in RAN4#96-e meeting, RAN4 agreed to send the updated UE features list to RAN2 to facilitate their work on defining capability signaling.

RAN4 intends to list only RAN4 related features in the list. Nevertheless, some of feature group(s) in the attached features list may be already defined in RAN2. In addition, some of feature group(s) may be missed, e.g., feature group not clearly belonging to RAN4. RAN4 kindly would like to ask RAN2 to check if any missing capability.

Following are some notes regarding the UE features list:

1. Some features include square brackets/FFS/TBD. These are still under discussion in RAN4. Therefore, RAN4 does not recommend any normative works on UE capability signaling for UE features with brackets/FFS/TBD on signaling design aspects at this moment.
2. For NR mobility enhancement and Even further mobility enhancement in E-UTRAN, RAN4 assumes RAN2 will include all parameters mentioned in LS (R4-1915781) into the UE capabilities signalling.

**2. Actions:**

**To RAN WG2**

**ACTION:** RAN4 kindly would like to ask RAN2 to take into account the list of RAN4 UE features for designing corresponding capability signalling in Rel-16.

**3. Date of Next RAN WG4 Meetings:**

TSG RAN WG4 Meeting #97-e Oct. 26 – Nov.13, 2020 Online

TSG RAN WG4 Meeting #98 Mar. 01 – 05, 2021 Athens, Greece