**3GPP TSG RAN WG1 #100bis-e R1-20xxxxx**

e-Meeting, April 20th – 30th, 2020

Source: NTT DOCOMO, INC.

Title: Session Notes for LTE UE Features (1)

Agenda Item: 6.2.5

**Document for:** **Discussion and Decision**

**6.2.5 LTE Rel-16 UE Features (8)**

[100e-b-LTE-UEFeatures-Remaining] Email discussion/approval of remaining issues (especially the one identified as low priority items in FL’s summaries) starting no earlier than 4/30 till next meeting – Hiroki (DCM)/Ralf (ATT)

***6.2.5.1 UE features for additional MTC enhancements (2)***

[R1-2002428](../../../../../wanshic/OneDrive%20-%20Qualcomm/Documents/Standards/3GPP%20Standards/Meeting%20Documents/TSGR1_100b/Docs/R1-2002428.zip) Summary on UE features for additional MTC enhancements Moderator (NTT DOCOMO, INC.)

[100b-e-LTE-UEFeatures-eMTC-01] Email discussion/approval on feature group structure for both additional MTC enhancements and additional enhancements for NB-IoT (20th-24th April) – (DCM, Hiroki)

* Discuss whether FG[1-2] is a separate FG (i.e., remove bracket) or FG[1-2] is removed and added as a component in FG1-1
  + This issue is jointly discussed with FG[2-2]
* Discuss whether FG[1-7] is a separate FG (i.e., remove bracket) or FG[1-7] is removed and added as a component in FG1-3/1-4/1-5/1-6
  + This issue is jointly discussed with FG[2-4]
* Discuss whether FG1-9 is kept as a separate FG or FG1-9 is removed and added as a component in FG1-3/1-4/1-5/1-6
  + This issue is jointly discussed with FG2-5
* Discuss whether or not to introduce separate FGs for slot/symbol level resource reservation for FG1-23 to 1-26
  + This issue is jointly discussed with FG2-12 and 2-13

[100b-e-LTE-UEFeatures-eMTC-02] Email discussion/approval on feature group structure for additional MTC enhancements (20th-24th April) – (DCM, Hiroki)

* Discuss whether to introduce a separate FG for the combination of FG1-3 and the larger UL TBS or to reuse the legacy capability signaling to support the combination
* Discuss whether to introduce separate FGs for the combinations of FG1-10/11/12/13 with each legacy feature or to reuse the legacy capability signaling to support the combinations
* Discuss whether to introduce a separate FG for multi-TB unicast HARQ multiplexing or to add multi-TB unicast HARQ multiplexing as component in FG1-11
* Discuss whether or not to introduce a separate FG for CSI-RS-based feedback with codebook subset restriction
* Confirm to keep FG1-1/3/4/5/6/8/10~19/21~41
* Confirm to remove FG1-20
* Confirm to remove FG1-42 to leave this FG to RAN4

[R1-2001857](../../../../../wanshic/OneDrive%20-%20Qualcomm/Documents/Standards/3GPP%20Standards/Meeting%20Documents/TSGR1_100b/Docs/R1-2001857.zip) Discussion on UE features for additional MTC enhancements ZTE

[R1-2002181](../../../../../wanshic/OneDrive%20-%20Qualcomm/Documents/Standards/3GPP%20Standards/Meeting%20Documents/TSGR1_100b/Docs/R1-2002181.zip) UE features for eMTC Qualcomm Incorporated

[R1-2002510](../../../../../wanshic/OneDrive%20-%20Qualcomm/Documents/Standards/3GPP%20Standards/Meeting%20Documents/TSGR1_100b/Docs/R1-2002510.zip) On the RAN1 UE feature list for Rel-16 LTE-MTC Ericsson

[R1-2002604](../../../../../wanshic/OneDrive%20-%20Qualcomm/Documents/Standards/3GPP%20Standards/Meeting%20Documents/TSGR1_100b/Docs/R1-2002604.zip) Rel-16 UE features for LTE-MTC Huawei, HiSilicon

***6.2.5.2 UE features for additional enhancements for NB-IoT (1)***

[R1-2002429](../../../../../wanshic/OneDrive%20-%20Qualcomm/Documents/Standards/3GPP%20Standards/Meeting%20Documents/TSGR1_100b/Docs/R1-2002429.zip) Summary on UE features for additional enhancements for NB-IoT Moderator (NTT DOCOMO, INC.)

[100b-e-LTE-UEFeatures-NBIoT-01] Email discussion/approval on feature group structure for additional enhancements for NB-IoT (20th-24th April) – Hiroki (DCM)

* Confirm to keep FG2-1/3/6~16

[R1-2001858](../../../../../wanshic/OneDrive%20-%20Qualcomm/Documents/Standards/3GPP%20Standards/Meeting%20Documents/TSGR1_100b/Docs/R1-2001858.zip) Discussion on UE features for additional enhancements for NB-IoT ZTE

[R1-2002182](../../../../../wanshic/OneDrive%20-%20Qualcomm/Documents/Standards/3GPP%20Standards/Meeting%20Documents/TSGR1_100b/Docs/R1-2002182.zip) UE features for NB-IoT Qualcomm Incorporated

[R1-2002511](../../../../../wanshic/OneDrive%20-%20Qualcomm/Documents/Standards/3GPP%20Standards/Meeting%20Documents/TSGR1_100b/Docs/R1-2002511.zip) On the RAN1 UE feature list for Rel-16 NB-IoT Ericsson

[R1-2002605](../../../../../wanshic/OneDrive%20-%20Qualcomm/Documents/Standards/3GPP%20Standards/Meeting%20Documents/TSGR1_100b/Docs/R1-2002605.zip) Rel-16 UE features for NB-IoT Huawei, HiSilicon

***6.2.5.5 Others***

*Including interactions among UE features across WIs*

[R1-2002430](../../../../../wanshic/OneDrive%20-%20Qualcomm/Documents/Standards/3GPP%20Standards/Meeting%20Documents/TSGR1_100b/Docs/R1-2002430.zip) Summary on LTE UE features for others Moderator (NTT DOCOMO, INC.)

[R1-2001755](../../../../../wanshic/OneDrive%20-%20Qualcomm/Documents/Standards/3GPP%20Standards/Meeting%20Documents/TSGR1_100b/Docs/R1-2001755.zip) Disconssion on LTE feature list for 5G\_V2X\_NRSL OPPO

[R1-2002242](../../../../../wanshic/OneDrive%20-%20Qualcomm/Documents/Standards/3GPP%20Standards/Meeting%20Documents/TSGR1_100b/Docs/R1-2002242.zip) LTE UE features for V2X Ericsson