* [Post111-e][927][NR16] NR Parameter Names Consolidation (Ericsson)

-     Scope: identify the discrepancies between current ASN.1 and current R1 and R4 RRC parameters names, in order to inform R1 and R4 to allow them to align their parameter names with RRC.

-     Action Point: R16 RRC CR editors to each take responsibility for their respective WI (detailed instructions by email discussion rapporteur).

Expected Outcome: As instructed by email discussion rapporteur, Draft LS out.

Deadline: Thursday OCT 15 0700 UTC (please respect this deadline)

Some background:

* During #110e meeting, we did an activity to fill in the ASN.1 names on fields and IEs for the RAN1 parameters received in LS [R2-2004380](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_110-e/Docs/R2-2004380.zip).
  + This was captured and communicated to RAN1 in the LS in [R2-2006085](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_110-e/Docs/R2-2006085.zip).
* After this, RAN2 agreed on several ASN.1 name changes.
* Furthermore, RAN2 has received two additional LSs from RAN2 with updated parameter lists ([R2-2006361](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_110-e/Docs/R2-2006361.zip) and [R2-2006508](http:/www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_111-e/Docs/R2-2006508.zip)).
  + These two LSs are “delta” to the original parameter list received in [R2-2004380](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_110-e/Docs/R2-2004380.zip), i.e. they only contain changes to the original parameter list.

Rel-16 WI RRC Rapporteurs are asked to do the following with the WI sheet in the XL file “Draft R1 Prmtr list”:

* Fill in or check/change the parameter names (“RAN2 Parent IE” and “RAN2 ASN.1 name” (field name))
  + Use blue colour for new text and changes (do not use “tracked changes”)
* Ensure that the list of parameters is complete by checking the two additional LSs from RAN1
  + Add parameters/lines that are missing
  + Replace rows that have been changed
* Store the XL file with the updated WI sheet in the “Draft parameter lists” folder
  + Use a file name with some suitable WI tag.
  + Respond with mail in this email discussion that the task has been done.

Pls use this ftp folder for the activity:

<https://www.3gpp.org/ftp/Email_Discussions/RAN2/%5BRAN2%23111-e%5D/%5BPost111-e%5D%5B927%5D%5BNR16%5D%20NR%20Parameter%20Names%20Consolidation%20(Ericsson)>

* Draft parameter list file is stored in the “Draft parameter lists” folder.
  + This is a copy of the XL file we sent to RAN1 at #110e.
* The relevant LSs (parameter lists) and an overview/background document are stored in the “Background and LSs” folder

Ericsson will collect the result and present draft LS Out at #112e meeting.

Further info on LTE parameter lists and RAN4 parameters may come later. Currently this is not covered in this activity.

# List of LSs

## RAN1 LS 1

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| [R2-2004380](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_110-e/Docs/R2-2004380.zip) | LS on updated Rel-16 LTE and NR parameter lists (R1-2003191; contact: Qualcomm) | RAN1 | noted | Rel-16 | LTE\_eMTC5-Core, NB\_IOTenh3-Core, LTE\_DL\_MIMO\_EE-Core, LTE\_terr\_bcast-Core, NR\_2step\_RACH-Core, NR\_unlic-Core, NR\_IAB-Core, 5G\_V2X\_NRSL-Core, NR\_L1enh\_URLLC-Core, NR\_IIOT-Core, NR\_eMIMO-Core, NR\_UE\_pow\_sav-Core, NR\_pos-Core, NR\_Mob\_enh-Core | RAN2 | RAN3 | R1-2003191 |

**1. Overall Description:**

RAN1 has further updated the lists of higher layer parameters for LTE and NR for Rel.16 work items in RAN1#100bis-e. Following are some notes regarding the lists:

* Updates compared to R1-203191 are highlighted in blue.
* For NR\_pos-Core, RAN1 agreed a separate LS (R1-2003054) which respectfully asks RAN3 to take into account the addition of a SFN initialization time parameter to facilitate RTOA measurements. Therefore, in order to avoid potential confusions, the list of RRC parameters for NR Positioning in the attachment of this LS has not been updated.
* For LTE WIs, RAN1 has confirmed that no update is necessary from the last version (R1-2001477). RAN1 has made cleaned version and endorsed it as R1-203189. However, this does not require any work in RAN2/RAN3.

## RAN2 Response LS

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| [R2-2006085](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_110-e/Docs/R2-2006085.zip) | Reply LS on updated Rel-16 LTE and NR parameter lists | Rel-16 | LTE\_eMTC5-Core, NB\_IOTenh3-Core, LTE\_DL\_MIMO\_EE-Core, LTE\_terr\_bcast-Core, NR\_2step\_RACH-Core, NR\_unlic-Core, NR\_IAB-Core, 5G\_V2X\_NRSL-Core, NR\_L1enh\_URLLC-Core, NR\_IIOT-Core, NR\_eMIMO-Core, NR\_UE\_pow\_sav-Core, NR\_pos-Core, NR\_Mob\_enh-Core | RAN1 | RAN3 |

1 Overall description

RAN2 thanks RAN1 for the lists of higher layer parameters for LTE and NR for Rel.16 work items.

During ongoing RAN2#110-e, RAN2 made an activity to fill in names used in NR ASN.1, see attachment.

RAN2 would like to indicate that the NR and LTE RRC specifications are currently subject to ASN.1 review, therefore parameter names may be further revised during Q3 2020.

## RAN1 LS 2

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| [R2-2006361](http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_110-e/Docs/R2-2006361.zip) | LS on updated Rel-16 NR parameter lists (R1-2005051; contact: Qualcomm) | RAN1 | available | Rel-16 | NR\_unlic-Core, 5G\_V2X\_NRSL-Core, NR\_L1enh\_URLLC-Core, NR\_eMIMO-Core, NR\_UE\_pow\_sav-Core, NR\_pos-Core, NR\_RF\_FR1 | RAN2, RAN3 |  | R1-2005051 |

RAN1 has further updated the lists of higher layer parameters for NR for Rel.16 work items NR\_unlic-Core, 5G\_V2X\_NRSL-Core, NR\_L1enh\_URLLC-Core, NR\_eMIMO-Core, NR\_UE\_pow\_sav-Core, NR\_pos-Core, NR\_RF\_FR1, Rel.16 TEI, and others at the RAN1#101-e meeting. Following are some notes regarding the attachment:

* Only the parameters for WIs/TEI that have a change(s) compared to R1-2003190 are attached.
* In each spreadsheet, change(s) compared to R1-2003190 are highlighted in blue.
* A new spreadsheet ‘Others’ is added to accommodate new agreed RRC parameters that do not belong to any WIs or TEI.

## RAN1 LS 3

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| [R2-2006508](http:/www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_111-e/Docs/R2-2006508.zip) | LS on updated Rel-16 NR parameter lists (R1-2005051; contact: Qualcomm) | RAN1 | noted | Rel-16 | NR\_unlic-Core, 5G\_V2X\_NRSL-Core, NR\_L1enh\_URLLC-Core, NR\_eMIMO-Core, NR\_UE\_pow\_sav-Core, NR\_pos-Core, NR\_RF\_FR1 | RAN2, RAN3 |  | R1-2005051 |

**1. Overall Description:**

RAN1 has further updated the lists of higher layer parameters for NR for Rel.16 work items NR\_unlic-Core, 5G\_V2X\_NRSL-Core, NR\_L1enh\_URLLC-Core, NR\_eMIMO-Core, NR\_UE\_pow\_sav-Core, NR\_pos-Core, NR\_RF\_FR1, Rel.16 TEI, and others at the RAN1#101-e meeting. Following are some notes regarding the attachment:

* Only the parameters for WIs/TEI that have a change(s) compared to R1-2003190 are attached.
* In each spreadsheet, change(s) compared to R1-2003190 are highlighted in blue.
* A new spreadsheet ‘Others’ is added to accommodate new agreed RRC parameters that do not belong to any WIs or TEI.