**3GPP TSG-RAN WG2 #126 R2-24xxxxx**

**Fukuoka, Japan, 20th – 24th May 2024**

**Title:** **Reply LS on Rel-18 higher-layers parameter list**

**Response to: R2-2400031/R1-2312661** **LS on Rel-18 higher-layers parameter list**

**Release: Release 18**

**Work Item: NR\_MC\_enh-Core, NR\_MIMO\_evo\_DL\_UL-Core, NR\_pos\_enh2-Core, Netw\_Energy\_NR, NR\_cov\_enh2, NR\_XR\_enh-Core, NR\_Mob\_enh2, NR\_BWP\_wor-Core, NR\_NTN\_enh, IoT\_NTN\_enh-Core, TEI18**

**Source: RAN2**

**To: RAN1**

**Cc: RAN3, RAN4**

**Contact person: Håkan Palm**

**hakan (dot) l (dot) palm (at) ericsson (dot) com**

**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments:** **R2-24xxxxx ASN.1 names in RAN1 parameter list**

# 1 Overall description

RAN2 thanks RAN1 for the lists of higher layer parameters for LTE and NR for Rel-18 work items and TEI.

RAN2 has updated the columns “RAN2 Parent IE” and “RAN2 ASN.1 name” in the attached parameter list for NR and LTE. Following are some notes regarding the colour coding in the excel file:

* If the already listed name matched the name used in ASN.1, the cell is marked with green.
* If the already listed name did not match the name used in ASN.1, it is replaced and marked with grey.
* If no name was listed, the cell is marked with yellow.

RAN2 would also like to inform RAN1 on the use of suffixes (e.g. *fieldA-r18*, *fieldB-v1820*) in TS 36.331/38.331:

* In Rel-15 38.331, the suffix *“-r15*” was not used in the ASN.1, i.e. initial versions of fields introduced in Rel-15 have no suffix
* fieldA-rX is a revision of fieldA introduced in Rel-X, i.e. when field-rX is configured, fieldA-rY with Y<X is not applied (and usually not configured)
* fieldA-vXYZ is an extension of fieldA introduced in TS 36/331/38.331 vX.Y.Z, which could be configured and applied together with fieldA, or one of its revisions, introduced in the same or in a previous release, for instance to extend the value range of fieldA or to include additional fields (if fieldA is a SEQUENCE)
* In the procedural specifications, in field descriptions as well as in headings, "fieldA" means "fieldA or fieldA-rX or fieldA-vXYZ in ASN.1", while "fieldA (without suffix)" means "fieldA in ASN.1" (excluding any revision or extension of fieldA).

RAN2 attempts to define revisions and extensions of ASN.1 fields in such a way that procedure text, field descriptions and headings referring to such ASN.1 fields need not be updated, thanks to the above described conventions.

RAN2 assumes that reusing the same conventions in RAN1 should allow minimizing the changes required to RAN1 specifications when revisions or extensions of existing ASN.1 fields are introduced.

# 2 Actions

**To RAN1:**

**ACTION:** RAN2 respectfully asks RAN1 to take the above into consideration in their work.

# 3 Dates of next TSG RAN WG2 meetings

TSG RAN WG2 Meeting #127 19-23 Aug 2024, Maastricht, NL

TSG RAN WG2 Meeting #127-bis 14-18 Oct 2024, China (tbc)