**3GPP TSG-RAN WG3 #129bis R3-257257**

**Prague, Czech Republic, 13th – 17th October 2025**

**Agenda Item:** **9.2.8**

**Source: Ericsson (Moderator)**

**Title:** **Summary of offline discussions: Rel-19 Network Energy Saving Correction**

**Document for: Discussion and Approval**

# Introduction

**CB: # 15\_R19NES**

**XnAP misc corrections: check 7088,** **6764, 6899, 7091, 7140**

**F1AP misc corrections: check 6704, 7089, 6900**

**Stage 2: check 38.401, 38.420 CRs if time allows**

(Ericsson - moderator)

# For Chairman

It is proposed to agree the below CRs that capture the offline agreement in chapter 3.

* R3-257255, revision of R3-257088 Corrections to Xn support for on-demand SIB1 coordination
* R3-257256, revision of R3-256900 Correction of OD-SIB1 procedure for network energy saving

# 3 Discussion

3.1 XnAP Correction

**Essential Corrections: misalignment between Tabular and ASN.1**

Take [R3-257088](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_129-bis/Docs/R3-257088.zip) as example: proposed to align ASN.1 with the Tabular.

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| 9.1.3.31 OD-SIB1 CONFIGURATION PROVISION RESPONSEThis message is sent by an NG-RAN node2 to a peer NG-RAN node1 to indicate that the OD-SIB1 configuration will be provided by the NG-RAN node2 as requested by the NG-RAN node1.Direction: NG-RAN node2 ® NG-RAN node1.

| IE/Group Name | Presence | Range | IE type and reference | Semantics description | Criticality | Assigned Criticality |
| --- | --- | --- | --- | --- | --- | --- |
| Message Type | M |  | 9.2.3.1 |  | YES | reject |
| NES Cell ID | M |  | NR CGI9.2.2.7 |  | YES | reject |
| Cell A ID | O |  | NR CGI9.2.2.7 |  | YES | ignore |
| Interface Instance Indication | O |  | 9.2.2.39 |  | YES | reject |

id-Cell-A-ID CRITICALITY **reject** TYPE NR-CGISS: we think all the Cell A ID in the messages should be “rejected”.Huawei: want to keep as tabular “ignore”.Ericsson /Rak: would like to keep as “ignore”. **Agreement: we keep the tabular “ignore” and update the ASN.1 code**9.1.3.32 OD-SIB1 CONFIGURATION PROVISION FAILUREThis message is sent by an NG-RAN node2 to a peer NG-RAN node1 to indicate that the OD-SIB1 configuration cannot be provided by the NG-RAN node2 as requested by the NG-RAN node1.Direction: NG-RAN node2 ® NG-RAN node1.

| IE/Group Name | Presence | Range | IE type and reference | Semantics description | Criticality | Assigned Criticality |
| --- | --- | --- | --- | --- | --- | --- |
| Message Type | M |  | 9.2.3.1 |  | YES | reject |
| Cause | M |  | 9.2.3.2 |  | YES | ignore |
| NES Cell ID | M |  | NR CGI9.2.2.7 |  | YES | ignore |
| Cell A ID | O |  | NR CGI9.2.2.7 |  | YES | ignore |
| Criticality Diagnostics | O |  | 9.2.3.3 |  | YES | ignore |
| Interface Instance Indication | O |  | 9.2.2.39 |  | YES | reject |

id-Cell-A-ID CRITICALITY **reject** TYPE NR-CGI**Agreement: we keep the tabular “ignore” and update the ASN.1 code**9.1.3.33 OD-SIB1 CONFIGURATION PROVISION STATUS UPDATEThis message is sent by an NG-RAN node2 to a peer NG-RAN node1 to report that an admitted OD-SIB1 configuration provision is being stopped.Direction: NG-RAN node2 ® NG-RAN node1.

| IE/Group Name | Presence | Range | IE type and reference | Semantics description | Criticality | Assigned Criticality |
| --- | --- | --- | --- | --- | --- | --- |
| Message Type | M |  | 9.2.3.1 |  | YES | Ignore |
| NES Cell ID | M |  | NR CGI9.2.2.7 |  | YES | reject |
| Cell A ID | O |  | NR CGI9.2.2.7 |  | YES | ignore |
| Provision Status | M |  | ENUMERATED (stopped, …) | Indicates the status of the OD-SIB1 configuration transmission. | YES | reject |
| Interface Instance Indication | O |  | 9.2.2.39 |  | YES | reject |

Nokia: should Provision Status be “ignore” instead? DT: should be “reject” because it is important that NES cell understand the message. If wrong, Error Ind is sent.We discussed and concluded that for this message,**Agreement: All the IEs in this message** 9.1.3.33 **have criticality “ignore”. ASN.1 should be updated accordingly.**-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*---- OD-SIB1 CONFIGURATION PROVISION STATUS UPDATE---- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*ODSIB1ConfigurationProvisionStatus ::= SEQUENCE { protocolIEs ProtocolIE-Container {{ODSIB1ConfigurationProvisionStatus-IEs}}, ...}ODSIB1ConfigurationProvisionStatus-IEs XNAP-PROTOCOL-IES ::= { { ID id-NES-Cell-ID CRITICALITY **ignore** TYPE NR-CGI PRESENCE mandatory}| { ID id-Cell-A-ID CRITICALITY **reject** TYPE NR-CGI PRESENCE optional }| { ID id-ProvisionStatus CRITICALITY **ignore** TYPE ProvisionStatus PRESENCE mandatory}| { ID id-InterfaceInstanceIndication CRITICALITY reject TYPE InterfaceInstanceIndication PRESENCE optional }, ...} |

**Other editorial corrections in** [**R3-257088**](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_129-bis/Docs/R3-257088.zip): **all the editorial changes are agreeable.**

**Corrections in** [**6764**](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_129-bis/Docs/R3-256764.zip)**:** Tabular to ASN.1 alignment. Other procedural text correction, related to “if IE not presented” is concluded at the online, refer to the discussion on R3-256703

**Conclusion: not to include the proposed procedural text.**

**Correction in** [**6899**](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_129-bis/Docs/R3-256899.zip)**:** Tabular to ASN.1 alignment. Other procedure text correction? Semantic correction?

**OD-SIB1 On-demand SIB1**

**Correction in** [**7091**](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_129-bis/Docs/R3-257091.zip)**:** procedural text correction?

**Correction in** [**7140**](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_129-bis/Docs/R3-257140.zip)**:** Tabular to ASN.1 alignment. Other correction?

**Agreement: rename the ASN.1 to oDSIB1ConfigurationProvisionStatusUpdate**

**Revise 7088 To include all the agreed changes.**

**(E///, QC, JIO, ZTE, DT, Huawei, SS, NEC. RAK, Nokia)**

2.2 F1AP Correction

**Essential Corrections: misalignment between Tabular and ASN.1**

Correction in [R3-257089](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_129-bis/Docs/R3-257089.zip) .

* Errors in the ASN.1 implementation of OnDemand-SIB1-Cell and PagingAdaptationIndication
* Incorrect specification in the F1 Setup related to “stop” option.

**Agreement: to correct the specification in ASN.1, remove choice and align to the Tabular in 9.2.1.10**

Remove the procedure in F1 Setup : for next meeting

To be considered in the F1AP CR:

Paging Adaptation Indication

Other editorial changes

**Correction in** [**6704**](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_129-bis/Docs/R3-256704.zip)**:**

* Revise the meaning of the On-demand SIB1 Indicator IE in the On-demand SIB1 Cell IE of the GNB-CU CONFIGURATION UPDATE message to indicate the status of OD-SIB1 configuration transmission for the NES cell, either in the indicated Cell A or across all Cell A(s) of the specified gNB.

For the next meeting.

* Add a Choice structure for the corresponding Cell A ID and gNB ID.
* Correct corresponding ASN.1.

**Correction in** [**6900**](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_129-bis/Docs/R3-256900.zip)**:**

* Update the procedure texts for the on-demand SIB1 IE.
* Update the reference for the On-demand SIB1 Config IE to the OD-SIB1-Config IE.
* The SIBx is replaced by SIB26.
* Update the OD-sib1 configuration for the Cell indicated by the NR PCI to NR CGI.
* Update the naming for paging adaptation indication IE, and the corresponding ASN.1.
* Add abbreviation for OD-SIB1.

**Agree: OD-SIB1 On-demand SIB1**

**SIB26 change. ASN.1 corresponding changes.**

Semantic:

Revision on 6900, copy the cosign companies. **(****E///, QC, JIO, ZTE, DT, Huawei, SS, NEC. RAK, Nokia)**

2.3 Stage 2: TS 38.401

[R3-257087](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_129-bis/Docs/R3-257087.zip), the correction is related to F1AP correction in F1 Setup, related to “stop”, if agreed in F1AP CR, should also correct in St2.

Other corrections in [R3-257087](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_129-bis/Docs/R3-257087.zip)?

Next meeting

Correction in [R3-256765](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_129-bis/Docs/R3-256765.zip):?

Next meeting

2.4 Stage 2: TS 38.420

Correction in [R3-257090](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_129-bis/Docs/R3-257090.zip):

Next meeting

# 4 Moderator Summary

It is proposed to revise the XnAP CR (R3-257088) and F1AP CR (R3-25-6900) to capture the agreements in Chapter 3.