# Guidelines for Rel-16 36.331 and 38331 ASN.1 review

## General

Please respect deadlines, see at the end of this document. Time is very tight.

We will use this FTP folder to store the review file in this review.

<ftp://ftp.3gpp.org/Email_Discussions/RAN2/%5BMisc%5D/ASN1%20review/Rel-16%202020-06%20Phase%201>

Folder structure:

* Rel-16 2020-06 Phase 1
  + 36331 A
    - ASN1 Rewiew file
    - Class0Call1 issues
  + 38331
    - ASN1 Rewiew file
    - Class0Call1 issues

The review will be run by companies inserting their review comments directly into the TS3x.331 Review file.

We will also this time use Word Comments in the “balloon” format by use of a Word macro named “RILAddComment”. The macro creates a Comments with different fields to be filled in as follows:

**[RIL]**: Number allocated by the company, **one letter + 3 digits**, same as before. E.g “E123”.

**[Status]**: ToDisc <only changed by the Rapporteur>

**[Delegate]**: This field is automatically filled in by the macro to the User setting. Shall be set to <Company name (Delegate name)> (to e.g. allow easy trace responsible Delegate).

**[Class]**: Shall be set by the Delegate to value 2 or 3.

1. **Trivial** e.g. editorials, commas, colon, misspelling, missing/ double spaces, italics etc.   
   See procedure for Class 0 and Class 1 issues below.
2. **Minor** e.g. quite straightforward changes e.g. correction/ addition of specification references or sub-clauses.  
   See procedure for Class 0 and Class 1 issues below.
3. **ASN.1 session** **issue** e.g. ASN.1 issue e.g. related to need codes, extensibility, alternative encoding, ASN.1/ guidelines, general protocol (consistency) issue or issue affecting more than one WI
4. **WI session issue i**.e. an issue that is not purely ASN.1 but has some impact on functionality but only affecting a single WI.

**No changes are supposed to be entered directly into the specification text by the Delegate.**

**Minor editorial issues** (spelling error, italics, missing commas, spaces, etc.) are sent to the ASN.1 Review Rapporteur via email and need no RIL.

**[TDoc]**: Add Tdoc number if the issue needs to be described and the solution is presented in separate Tdoc.

**[WI]**: Fill in according to list below

**[Description]**: Describe the issue in one line.

**[Proposed Change]**: Describe the problem and solution.   
Other company may add alternative solution (preceded by company identifier, i.e., [Ericsson]). Do not modify text entered by other companies.

**[Comments]**: Comments added by other companies (preceded by company identifier, i.e., [Ericsson]). Do not modify text entered by other companies.

**[Proposed Conclusion]**: indicate the vx value of the new version of the file that you will upload. This allows us all to detect recent updates easier.

**Guidelines on macros and commenting is provided in this document:**

<ftp://ftp.3gpp.org/Email_Discussions/RAN2/%5BMisc%5D/ASN1%20review/RIL-Macro%20and%20instructions.docx>

**Check in/out ASN.1 Review file:**

* In order to avoid parallel editing of the ASN.1 Review file, you must
  + **Send** a 'check out' email RAN2 reflector before you start editing,
    - Use the following text in the Subject field of the:

**[NR Rel-16] 36331 ASN1 Review Phase 1 - Check-out/in**

**[NR Rel-16] 38331 ASN1 Review Phase 1 - Check-out/in**

* + **Store** a check-out file in the FTP folder
    - Name the file vX-checkout.txt, e.g. “v01-heckout.txt”.
    - Insert your name and email i.e. <Delegate name (Delegate email)>, as only content in the file.
* Save the file locally (and step the v(x) to v(x+1)
* Insert your RILs and comments into the ASN.1 review file.
  + Indicate the v(x) in the field **[Proposed Conclusion]**, e.g.

**[****Proposed Conclusion]**: v07

* Store the updated ASN.1 Review file back to the FTP folder in the file name).
* After storing the file on the FTP folder:
  + **Send** a “check in” mail on RAN2 reflector and indicate the file you checked in.
    - Use the same text in the Subject field of the mail:

**[NR Rel-16] 36331 ASN1 Review Phase 1 - Check-out/in  
[NR Rel-16] 38331 ASN1 Review Phase 1 – Check-out/in**

* + - List the **added** and **commented** RILs in the body of the mail
      * + Added RILs: Exx1, Exx2 etc
        + Commented RILs: Yxx1, Zxx1 etc

**NOTE** For this process to work effectively we ask that you **do not have file checked out for more than 1 hour** (implying you must do the review work and prepare the RILs before checking out the CR for editing)

**For issues that need a separate Tdoc:**

* You can store a draft version of the tdoc in the 3GPP ftp folder.
* Create a folder in the ftp review folder named by the RIL issue (e.g. E123) and store a draft tdoc here.
* When submitting a tdoc related to a RIL, be sure to include the RIL number(s) in the tdoc title, e.g. “[E123] Feature X correction”

**Some general advices**

1. Ensure to have **Tracked changes “OFF”** when adding/modifying RILs in the ASN.1 Review file.
2. Before adding a new issue, please read the existing comments in that part of the spec to avoid creating a duplicate. You may respond to an existing comment in order to add your company view.
3. Each company is responsible to ensure that the issue number is unique within their company.

**Class 0 and Class 1 issues**

Class 0 and Class 1 issues shall be stored by the companies in the file **R2-20xxxxx NR Rel-16 ASN.1 Editorials vX** by following this procedure:

* + **Send** a 'check out' email RAN2 reflector before you start editing,
    - Use the following text in the Subject field of the:
      * **[NR Rel-16] 36331 Editorial - Check-out/in**
* **[NR Rel-16] 38331 Editorial - Check-out/in**
  + **Store** a check-out file in the FTP folder
    - Name the file Editorial-vX-checkout.txt, i.e.. “Editorial-v01-checkout.txt”.
    - Insert your name and email i.e. <Delegate name (Delegate email)>, as only content in the file.
* Insert your Class0/Class1 comments into the file (guidelines are included in the file).
* Store the updated **R2-20xxxxx NR Rel-16 ASN.1 Editorials vX** file in the ftp folder(and step the v(x) to v(x+1) in the file name).
* After storing the file on the FTP folder:
  + **Send** a “check in” mail on RAN2 reflector and indicate the file you checked in.
  + Use the same text in the Subject field of the mail:
    - **[NR Rel-16] 36331 Editorial - Check-out/in**
    - **[NR Rel-16] 38331 Editorial - Check-out/in**

**Copy text from an entire bubble comment from one word document to another**

If you need to select/copy/paste text in a RIL Comment,  you maybe discovered already it is a bit tricky to select text in the macro-generated Comment-field.

You can use the method below to copy text from a an entire bubble comment from one word document to another.

1) **Be in draft-view** in the source document

2) **Locate and mark the comment’s anchor point** of the comment you want to copy. It is the little [letter+number} at the end of the range where you placed your comment in the document (e.g. [E1]). Only this “symbol” must be selected!

3) **Press Ctrl-C** to copy the comment

4) **Go to the target document** and be in draft view.

5) Place the cursor into the document but **do not make selection** (don’t highlight any charcters)

6) **Press Ctrl-V** to paste the comment in

# Company identifiers

The following 1-letter identifiers are “reserved” by companies since earlier reviews, e.g. to form the RIL issue number. Other companies wishing to participate in the review can send mail to [hakan.l.palm@ericsson.com](mailto:hakan.l.palm@ericsson.com) to reserve their letter.

|  |  |
| --- | --- |
| **ID** | **Companies** |
| A | Apple |
| B | Lenovo |
| C | CATT |
| D | DOCOMO |
| E | Ericsson |
| G | Google |
| H | Huawei |
| I | Intel |
| J | Sharp |
| L | LGE |
| M | Mediatek |
| N | Nokia |
| O | OPPO |
| Q | QUALCOMM |
| R | Rapporteur |
| S | Samsung |
| T | Microelectronics Technology Inc. |
| Z | ZTE |
|  |  |
| V | Vivo |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

# WI identifiers

The following identifiers need to be used when linking a certain RIL to the WI that is addressed. If more than a WI is affected, please provide the list in the RIL template according to the following format: **[WI]**: WI1, WI2, etc.

| **WI ID** | **Original WI code** |
| --- | --- |
| Gen | Not related to any specific WI |
| TEI | TEI16 |
| DCCA | LTE\_NR\_DC\_CA\_enh-Core |
| V2X | 5G\_V2X\_NRSL-Core |
| MDT | NR\_SON\_MDT-Core |
| PowSave | NR\_UE\_pow\_sav-Core |
| NPN | NG\_RAN\_PRN |
| MobEnh | NR\_Mob\_enh-Core |
| CLI | NR\_CLI\_RIM |
| MIMO | NR\_eMIMO-Core |
| NR-U | NR\_unlic-Core |
| IIOT | NR\_IIOT-Core |
| URLLC | NR\_L1enh\_URLLC |
| 2StepRA | NR\_2step\_RACH-Core |
| NrPos | NR\_pos-Core |
| IAB | NR\_IAB-Core |
| SRVCC | SRVCC\_NR\_to\_UMTS |
| RACS | RACS-RAN-Core |
| OdSIB | (On-demand SIB) |
| eMTC | LTE\_eMTC5-Core |
| NBIOT | NB\_IOTenh3-Core |
| HSEnh | LTE\_high\_speed\_enh2-Core |
| TerBcast | LTE\_terr\_bcast-Core |
| NavIC | LCS\_NAVIC |
|  |  |
|  |  |
|  |  |

# Deadlines

|  |  |  |  |
| --- | --- | --- | --- |
| 1.2 | Moderator provides consolidated proposed action for review comments received so far, | Wed 8 April |  |
| 1.3 | (Submission deadline RAN2#109bis) | Thu 9 April |  |
| 1.4 | Submission deadline, tdocs related to ASN.1 review | Tue 14 April |  |