# Guidelines for Rel-17 37.355 ASN.1 review

## General

We will use this FTP folder to store the review file:

<http://www.3gpp.org/ftp/Email_Discussions/RAN2/%5BMisc%5D/ASN1%20review/TS%2037355%202022-03>

The review will be run by companies inserting their review comments directly into the TS 37.355 Review file.

We will use the Word macro named "RILAddComment" which can be found here:

[https://www.3gpp.org/ftp/Email\_Discussions/RAN2/[Misc]/ASN1%20review/](https://www.3gpp.org/ftp/Email_Discussions/RAN2/%5BMisc%5D/ASN1%20review/) in file "RIL-Macro and instructions.docx".

The macro creates a Word Comment with different fields to be filled in as follows:

**[RIL]**: Number allocated by the company, **one letter + 3 digits**, e.g., R007.

**[Status]**: ToDo <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 1, 2 or 3.

1. **Editorial;** e.g. typos, commas, colon, missing/double spaces, italics etc.
See procedure for Class 0 issues below.
2. **Issues not affecting LPP PDU decoding;** e.g. incorrect/incomplete/missing field description; missing need codes; incorrect/incomplete/missing conditional statements, etc. Including any issues with clauses 1-5, and 7.
3. **ASN.1 issue;** issues affecting LPP PDU decoding; e.g. missing/wrong optional statement, extensibility issues, wrong structure of a field/IE, etc.
4. **WI issue;** any issues that are not purely ASN.1 but have some impact on functionality. E.g., wrong/missing values, fields, IEs, etc.

NOTE: LPP "normally" follows the ASN.1 guidelines in Annex A of **36**.331. Please try to be consistent with existing LPP specification text as far as possible.

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

**[TDoc]**: Add Tdoc number (or just “R2-22xxxxx” if no tdoc is allocated yet) if the issue needs to be described and the solution is or will be proposed in a separate Tdoc (final tdoc to be submitted to RAN2#118-e).

In any case, an early draft of the Tdoc will be appreciated and can be placed into the Tdocs subfolder. See procedure for separate Tdocs below.

**[WI]**: Not needed – it's all positioning.

**[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., [Qualcomm]). Do not modify text entered by other companies!

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

**[Proposed Conclusion]**: Only used and changed by the Rapporteur.

## Check out/in ASN.1 Review file

(1) In order to avoid parallel editing of the ASN.1 Review file, you must

**- Send** a 'check out' email on the RAN2 reflector before you start editing.

Use the following text in the Subject field of the email:

**[LPP Rel-17] ASN1 Review - Check-out/in**

**- Store** a check-out file in the FTP folder

 Name the file "vXY-checkout.txt", where XY is the highest version of the check-out file in the FTP folder + 1, e.g. "v01-checkout.txt" if the FTP folder already contains "v00-checkout.txt" as the most recent version.

 Insert your name and email i.e. "Delegate name <Delegate email>", as only content in the file.

(2) Save the ASN.1 review file locally (and step the version of the ASN.1 review file from \_v(x) to \_v(x+1)), e.g. "37355\_Rel-17\_ASN1\_ReviewFile\_v07" if the most recent version of the ASN.1 review file on the FTP server is \_v06.

(3) Insert your RILs and comments into the ASN.1 review file.

(4) Store the updated ASN.1 review file back on the FTP folder.

(5) After storing the updated ASN.1 review file on the FTP folder:

**- Send** a "check in" email on RAN2 reflector and indicate the ASN.1 review file name you have checked-in in the body of the email. Use the same text in the Subject field of the email:

 **[LPP Rel-17] ASN1 Review - Check-out/in**

List the **added** and **commented** RILs in the body of the email

- Added RILs: Qxx1, Qxx2 etc.

- Commented RILs: Yxx1, Zxx1 etc.

NOTE: For this process to work effectively we ask that you do not have the 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 \Tdocs subfolder in the FTP review folder.

- Create a sub-folder under the \Tdocs folder named by the RIL issue (e.g. [Q123]) and store a draft tdoc there.

- When submitting a tdoc related to a RIL, please be sure to include the RIL number(s) in the tdoc title, e.g. "[Q123] Feature X correction".

## Some general advice

- Ensure to have tracked changes "OFF" when adding/modifying RILs in the ASN.1 Review file.

- 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 to add your company view.

- Each company is responsible to ensure that the issue number is unique within their company. Do not use the same RIL number at multiple locations.

## Class 0 issues

Class 0 issues can be sent directly to the Rapporteur via email: sfischer@qti.qualcomm.com.

Rapporteur will compile all Class 0 issues and include them in the running LPP CR for RAN2#118-e.

## Company Identifiers

The following 1-letter identifiers used by companies in the RRC review (to form the RIL issue number) are also used for the LPP review.

Other companies wishing to participate in the review can send an email to sfischer@qti.qualcomm.com to reserve their letter.

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| --- | --- |
| ID | Company |
| A | Apple |
| B | Lenovo |
| C | CATT |
| D | DOCOMO |
| E | Ericsson |
| F | Fujitsu |
| 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 |
| X | Xiaomi |
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