3GPP TSG-RAN WG2 Meeting #118-e ***R2-22xxxxx***

Electronic Meeting, May 9 – 20, 2022

**Agenda item:** 6.11.1 / 6.11.2.8

**Source:** Qualcomm Incorporated

**Title:** [AT118-e][624][POS] 37355 positioning CR (Qualcomm)

**Document for:**  Discussion

# 1. Introduction

This document summarizes the following email discussion:

* [AT118-e][624][POS] 37355 positioning CR (Qualcomm)

Scope: Review and update the rapporteur CR (R2-2205829), taking into account decisions of this meeting. Discussion should coordinate with the handling of agenda item summaries.

Intended outcome: Agreeable CR in R2-2206247

Deadline: Tuesday 2022-05-17 1800 UTC

##### References:

[1] R2-2205828, "Summary of LPP Updates and Open Issues".

[2] R2-2205829, "LPP Updates".

[3] R2-2206326, "Rel-17 LPP RIL".

[4] R2-2206327, "Rel-17 LPP ASN1 Review File".

[5] R2-2206328, "LPP Updates and ASN.1 Review".

# 2. Discussion

Please provide your comments on "**Update\_of\_R2-2206328\_(draft CR 37355 LPP Updates).docx**" located in the same folder as this discussion document in the Table below.

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| --- | --- | --- | --- |
| Company | LPP Section / IE | RIL# (if applicable) | Comments |
| Huawei, HiSilicon | 6.4.3 |  | NR-DL-PRS-ExpectedLOS-NLOS-AssistancePerTRP-r17 ::= SEQUENCE {  dl-PRS-ID-r17 INTEGER (0..255),  nr-PhysCellID-r17 NR-PhysCellID-r16 OPTIONAL, -- Need ON  nr-CellGlobalID-r17 NCGI-r15 OPTIONAL, -- Need ON  nr-ARFCN-r17 ARFCN-ValueNR-r15 OPTIONAL, -- Need ON  nr-los-nlos-indicator-r17 CHOICE {  perTrp-r17 LOS-NLOS-Indicator-r17,  perResource-r17 SEQUENCE (SIZE (1..nrMaxSetsPerTrpPerFreqLayer-r16)) OF  NR-DL-PRS-ExpectedLOS-NLOS-AssistancePerResource-r17  } OPTIONAL, -- Cond Mandatory  ...  }  NR-DL-PRS-ExpectedLOS-NLOS-AssistancePerResource-r17 ::=  SEQUENCE (SIZE (1..nrMaxResourcesPerSet-r16)) OF  LOS-NLOS-Indicator-r17  -- ASN1STOP   | Conditional presence | Explanation | | --- | --- | | *Mandatory* | The field is mandatory present in this Release of the specification. |   Not sure why we need this conditional presence tag. if it is mandatory in this release, we only need to make it mandatory? |
| Huawei, HiSilicon | 6.5.10.3 |  | – *NR-DL-TDOA-ProvideLocationInformation* The IE *NR-DL-TDOA-ProvideLocationInformation* is used by the target device to provide NR DL-TDOA location measurements to the location server. It may also be used to provide NR DL-TDOA positioning specific error reason.  -- ASN1START  NR-DL-TDOA-ProvideLocationInformation-r16 ::= SEQUENCE {  nr-DL-TDOA-SignalMeasurementInformation-r16  NR-DL-TDOA-SignalMeasurementInformation-r16  OPTIONAL,  nr-dl-tdoa-LocationInformation-r16 NR-DL-TDOA-LocationInformation-r16  OPTIONAL,  nr-DL-TDOA-Error-r16 NR-DL-TDOA-Error-r16 OPTIONAL,  ...,  [[  nr-DL-TDOA-SignalMeasurementInstances-r17  SEQUENCE (SIZE (1..maxMeasInstances-r17)) OF  NR-DL-TDOA-SignalMeasurementInformation-r16  OPTIONAL,  nr-DL-TDOA-LocationInformationInstances-r17  SEQUENCE (SIZE (1..maxMeasInstances-r17)) OF  NR-DL-TDOA-LocationInformation-r16  OPTIONAL  ]]  }  it should be clarified when the fields nr-DL-TDOA-SignalMeasurementInstances-r17 and nr-DL-TDOA-LocationInformationInstances-r17 are present, the r16 fields should be absent. |
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