**3GPP TSG-RAN WG2 Meeting #125bisR2-240xxxx**

**Changsha, China, April 15th – 19th, 2024**

**Agenda item:** 7.2.1

**Source:** CATT

**Title:** [Post125bis][407][POS] Rel-18 positioning LPP CR (CATT)

**Document for:** Discussion and Agreement

# 1 Introduction

This is to kick off the email discussion.

* [Post125bis][407][POS] Rel-18 positioning LPP CR (CATT)

Scope: Update and check the Rel-18 positioning CR to 37.355.

Intended outcome: Endorsed CR in R2-2403818

Deadline: Short

# 2 Discussion

Please provide your comments on the LPP running CR in the following table.

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| --- | --- | --- |
| **Company** | **Clause No.** | **Comments** |
| Qualcomm | CommonIEsProvideCapabilities | The Table Note should use TAN style.  [Rapp]: Thanks and updated. |
| *CommonIEsRequestLocationInformation* | The Table Note should use TAN style.  [Rapp]: Thanks and updated. |
| nr-PeriodicityAndSlotOffsetTimeWindow-r18 | Need code is changed to 'OR", but 'ON' seems correct.  [Rapp]: Agreement: NR-DL-PRS-MeasurementTimeWindowsConfig should support one-shot window configuration. Please further check the revised –v01. |
| nr-SlotOffsetTimeWindow-r18 | Need code should be 'ON'  'OPTIONAL' can be better aligned on a vertical line (add some Tabs); empty line should be deleted.  [Rapp]: Please further check the revised –v01. |
| nr-PeriodicityAndSlotOffsetTimeWindow field description | Add:  If *nr-SlotOffsetTimeWindow* is present, this field should be absent.  [Rapp]: Please further check the revised –v01. |
| nr-SlotOffsetTimeWindow field description | If *nr-PeriodicityAndSlotOffsetTimeWindow-r18* is present, this field should be absent.  🡪 delete '-r18'  A cleaner solution would be to define the nr-PeriodicityAndSlotOffsetTimeWindow-r18 and nr-SlotOffsetTimeWindow-r18 as a CHOICE (i.e., only one of the two should be present)  [Rapp]: Agreed and please further check the revised –v01. |
| dl-PRS-ResourceSetARP-ErrorCorrelationTime field description | "This field, if present, specifies the DL-PRS-ResourceSet ARP Error Correlation Time which is the upper bound of the correlation time of the DL-PRS resource set ARP error "  DL-PRS-ResourceSet should be 'DL-PRS Resource Set'  resource set should be 'Resource Set'  [Rapp]: Done. |
| dl-PRS-ResourceARP-ErrorCorrelationTime field description | "This field, if present, specifies the DL-PRS-Resource ARP Error Correlation Time which is the upper bound of the correlation time of the DL-PRS resource ARP error "  DL-PRS-Resource should be "DL-PRS Resource'  resource should be 'Resource'  [Rapp]: Done. |
| NR-PRU-RSCP-MeasElement-r18 | nr-PRU-RSRP-AddSampleMeasurements-r18 SEQUENCE (SIZE (1..nrNumOfSamples-1-r18)) OF  INTEGER (0..61)  nr-PRU-RSRP-AddSampleMeasurements-r18 SEQUENCE (SIZE (1..nrNumOfSamples-1-r18)) OF  INTEGER (0..61) OPTIONAL, -- Need ON  nr-PRU-FirstPathRSRP-ResultDiff-AddSampleMeasurements-r18 SEQUENCE (SIZE (1..nrNumOfSamples-1-r18 )) OF INTEGER (0..61) OPTIONAL, -- Need ON OPTIONAL, -- Need ON  ASN.1 breaks across multiple lines (should be better aligned along a vertical line)  [Rapp]: Done. |
| *NR-DL-TDOA-RequestLocationInformation* | "TPs from R2-2403190 are agreeable in principle"  🡪 jointMeasurementsReq-r18 should be moved out of the BIT STRING (not a measurement)  [Rapp]: Please further check the revised –v01. |
| NR-Multi-RTT-RequestLocationInformation-r16 | "TPs from R2-2403190 are agreeable in principle"  🡪 jointMeasurementsReq-r18 should be moved out of the BIT STRING (not a measurement)  [Rapp]: Please further check the revised –v01. |
| Lenovo | Coversheet | In the meeting dates the year “2024” is missing.  [Rapp]: Done. |
| Coversheet | The below agreement has been already covered by the LPP capability CR, see [415].  Agreement:  Move the two fields posSRS-BWA-RRC-Connected-r18 and posSRS-BWA-IndependentCA-RRC-Connected-r18 from IE SRS-CapabilityPerBand-r16 to SRS-PosResourcesPerBand-r16.  [Rapp]: Done. |
| 6.5.11.5, IE NR-DL-AoD-RequestLocationInformation | The comma and the square brackets should be removed.  NR-DL-AoD-RequestLocationInformation-r16 ::= SEQUENCE {  nr-AssistanceAvailability-r16 BOOLEAN,  nr-DL-AoD-ReportConfig-r16 NR-DL-AoD-ReportConfig-r16,  ...,  [[  multiMeasInSameReport-r17 ENUMERATED { requested } OPTIONAL -- Need ON  ]],  [[    ]]  }  [Rapp]: Done. |
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# 3 Conclusion

Based on company feedback, the following is proposed:

# 4 References