**3GPP TSG RAN WG1 #110 R1-2207916**

**Toulouse, France, August 22nd – 26th, 2022**

**Source: vivo**

**Title:** **FL summary on CRs for intercell-mTRP**

**Agenda Item: 8.1**

**Document for:** **Discussion and Decision**

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|  |  |  | Comments |
| [R1-2206221](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206221.zip) | Draft CR on inter-cell multi-TRP operation in TS38.214 | Lenovo | OPPO: Fine to discuss the issue. Maybe we can use “the serving cell physical cell ID” to replace “one physical cell ID”.  QC: Ok to discuss  Apple: Okay to discuss  Lenovo: Support to discuss since there is no related restriction in TS38.214 as well as in TS 38.331.  DOCOMO: Okay to discuss.  Nokia: ok  Huawei, HiSilicon: Not necessary. Only one Additional PCID can have activated TCI state. If Activated TCI states are associated with two different cells, only one of them can be an additional PCID.  ZTE: Fine to discuss. |
| It is proposed to add: One of the physical cell IDs is the serving cell physical cell ID.  In section 5 and 5.1.5.  Initial assessment: Seems not necessary, together with 38.331, there shouldn’t be ambiguity  FL Observation: most of the companies are fine to discuss this CR, hence it is proposed to discuss during this week. | | |
| [R1-2206258](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206258.zip) | Draft CR for CSI-RS power for inter-cell mTRP | OPPO | OPPO: Support to discuss.  QC: Ok to discuss  Apple: Okay to discuss  Lenovo: OK to discuss  LG: Okay to discuss  DOCOMO: Okay to discuss.  Nokia: ok  Huawei, HiSilicon: OK to discuss.  ZTE: Fine to discuss. |
| Initial assessment: propose to discuss in RAN1#110  FL Observation: companies are fine to discuss this CR, hence it is proposed to discuss during this week. | | |
| [R1-2207132](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2207132.zip) | Draft CR correcting RRC parameter related to unified TCI and inter cell | Ericsson | OPPO: Support to discuss.  QC: Ok to discuss  Apple: Okay to discuss  Lenovo: OK to discuss  LG: Okay to discuss  DOCOMO: Okay to discuss.  Nokia: ok  Huawei, HiSilicon: OK to discuss.  ZTE: Fine to discuss. |
| Initial assessment: propose to discuss in RAN1#110  FL Observation: companies are fine to discuss this CR, hence it is proposed to discuss during this week. | | |
| [R1-2207134](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2207134.zip) | Draft CR aligning parameter name related to multi-TRP inter cell | Ericsson | OPPO: Support to discuss.  QC: Ok to discuss  Apple: Okay to discuss  Lenovo: OK to discuss  LG: Okay to discuss  DOCOMO: Okay to discuss.  Nokia: ok  Huawei, HiSilicon: OK to discuss  ZTE: Fine to discuss. |
| Initial assessment: propose to discuss in RAN1#110  FL Observation: companies are fine to discuss this CR, hence it is proposed to discuss during this week. | | |
| R1-2207177 | Draft CR on inter-cell mTRP when SSBs of additional PCI overlap with UL | Qualcomm Incorporated | OPPO: Support to discuss. The issue to be clarified is whether UE needs to measure the SSB which is not associated with active TCI state.  QC: Current spec is not clear on the overlap between UL versus measured SSB when the PCI is not associated with active TCI states.  Apple: Okay to discuss.  Lenovo: OK to discuss  DOCOMO: Okay to discuss.  Nokia: ok  Huawei, HiSilicon: OK to discuss  ZTE: Fine to discuss with R1-2205935 together. |
| Initial assessment: propose to discuss in RAN1#110, discuss [R1-2205935](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2205935.zip), R1-2207177 together  FL Observation: companies are fine to discuss this CR, hence it is proposed to discuss during this week. | | |
| R1-2207178 | Draft CR on inter-cell mTRP with PUSCH repetition TypeB | Qualcomm Incorporated | OPPO: In our understanding, the PUSCH transmission would not be impacted by the SSB associated with additional PCI. This is similar to the collision between serving cell PDSCH and neighboring cell SSB, where no rate-matching is applied.  QC: In current Rel-17 spec, PUSCH/PUCCH/SRS is impacted by the SSB associated with additional PCI (please see 38.213, Sections 9.2.6, 11.1, 11.1.1). However, the spec is not clear on PUSCH with repetition TypeB.  Apple: Okay to discuss.  Lenovo: OK to discuss  LG: Not essential. This issue has been discussed in RAN1#109e.  DOCOMO: Okay to discuss.  Nokia: ok  Huawei, HiSilicon: OK to discuss  ZTE: Fine to discuss. |
| Initial assessment: propose to discuss in RAN1#110  FL Observation: most of the companies are fine to discuss this CR, hence it is proposed to discuss during this week. | | |
| [R1-2205935](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2205935.zip) | Draft CR on symbols overlapping between UL signal and non-serving cell SSB in 38.213 | ZTE | Apple: Okay to discuss.  LG: Okay to discuss  DOCOMO: Okay to discuss.  Nokia: ok  Huawei, HiSilicon: OK to discuss  ZTE: Fine to discuss with R1-2207177 together. |
| Initial assessment: propose to discuss in RAN1#110, discuss [R1-2205935](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2205935.zip), R1-2207177 together  FL Observation: companies are fine to discuss this CR, hence it is proposed to discuss during this week. | | |
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FL proposals:

Proposal 1: CRs in [R1-2207132](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2207132.zip) and [R1-2207134](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2207132.zip) are agreed as editorial.

Proposal 2: Merge the following draft CRs R1-2207177, R1-2207178 and R1-2205935, and FL to provide draft CR

Proposal 3: agree the CR in [R1-2206221](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206221.zip)

Proposal 4: agreed the CR in [R1-2206258](https://www.3gpp.org/ftp/TSG_RAN/WG1_RL1/TSGR1_110/Docs/R1-2206258.zip)