Discussion RRC parameters for Rel-17 inter-cell mTRP.

Initial list can be found in the excel sheet in the draft folder, please provide your comments/questions in table below.

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| Company | Comments |
| Apple | * AdditionalPCIInfo…: Although we have sent LS to RAN2, we suggest we mentioned this includes SSB time domain location, SSB periodicity and SSB transmission power.
* NumberOfAdditionalPCI: In our view, this parameter is not needed, but gNB can just configure a list of additionalPCIInfo, and the size of the list means the NumberOfAdditionalPCI.
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| OPPO | Generally we agree with Apple. For AdditionalPCIInfo, if we mention the parameters to be included in this IE, maybe PCI should also be included considering it would not be directly indicated in TCI state.  |
| NTT DOCOMO | * AdditionalPCIInfo…: Agree with Apple to include SSB time domain location, SSB periodicity and SSB transmission power. Also, it should include an actual PCI. And gNB can configure a list of additionalPCIInfo.
* A new RRC indicator/signalling (e.g., re-index the different PCI cells) should be introduced for QCL/TCI configuration.
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| Futurewei | Generally agree with Apple / OPPO / NTT DOCOMO. We could provide an example design:AdditionalPCIInfo::={  PCI,  SSB configuration,  RS configuration,  etc. } |
| ZTE | On ‘AdditionalPCIInfo…’, we agree with companies that it is better to point out in description that this parameter should at least include PCI, SSB time domain location, SSB periodicity SSB transmission power.On ‘NumberOfAdditionalPCI’, we think the number of RRC-configured additional PCIs can be implicitly derived from ‘AdditionalPCIInfo…’ and the new indicator/signalling (e.g., re-index the different PCI cells), hence this parameter is dispensable. |
| Ericsson | This discussion is a bit tricky an different from other Rel.17 MIMo features, since RAN1 has agreed that RAN2 should do the ASN.1 work for this feature. So RAN2 may decide on the RRC parameters. At the same time, we have from RAN1 perspective already identified PCI, SSB time domain location, SSB periodicity SSB transmission power as parameters needed to be configured. Hence, we think this observation could be added as a note in the excel sheet, RAN2 already knows, from the LS, what functionality is needed from RAN1 perspective and have the expertise to do the RRC signalling specification.  |
| Moderator | Thanks for valuable input. I agree with the comments above, separate parameter “NumberOfAdditionalPCI” may not be needed but need to inform RAN2 on X value(s) which is still under discussion in RAN1. I will capture additional notes in the excel sheet. Detailed signaling design is up to RAN2. |