|  |  |  |  |
| --- | --- | --- | --- |
| **Company** | **Section/clause/IE** | **Comments/Suggested Change** | **Rapp Response** |
| ZTE | BeamFailureRecoveryConfig | ra-OccasionType-r19 can only indicate SBFD. If gNB indicates non-SBFD RO, gNB can make the field absent. |  |
| ZTE | sbfd-RACH-SingleConfig-r19 | Option 1 should be indicated per RACH-ConfigCommon?Option 1 and option 2 cannot be configured together for all the RACH-ConfigCommon (including those in the AdditionalRACH-ConfigList-r17), this condition should be added. |  |
| Nokia | sbfd-RACH-SingleConfig-r19 | Same understanding as ZTE |  |
| Nokia  | CSI-ReportConfig  | The metrics cli-RSSI and cli-SRS-RSRP are not included as part of new reporting metrics within *CSI-ReportConfig* IE.  |   |
| Nokia  | CSI-ResourceConfig  | The definition of the *CSI-ResourceConfig* IE should be updated to indicate that it is also used to define a group of CLI-RSSI or SRS-RSRP resource sets.  |   |
| Nokia  | CSI-ReportConfig  | The definition of *resourcesForChannelMeasurement* should be extended to cover CLI-RSSI and SRS-RSRP resources  |   |
| Xiaomi | ASN.1 grammar: there are several places where commas are placed before “]]”. For example: OPTIONAL, -- Need M ]] | Remove comma before “]]”. |  |
| Xiaomi | Naming convention is not followed for several field or IE names.  | Understand the names might be based on RAN1 parameter list, but proper name should be used in 38.331.The examples of name corrections:RACH-configConmonSBFD-r19 🡪 RACH-ConfigConmonSBFD-r19sbfd-rsrp-ThresholdRO-Type-r19 🡪 sbfd-RSRP-ThresholdRO-Type-r19… |  |
| Xiaomi  | sbfd-RACH-SingleConfig-r19  | In RAN1 parameter list R1-2503155, the IE location (column “Per (UE, cell, TRP, …)”) is empty with yellow background. Not sure whether RAN1 will further update it. Maybe we can have an Editor’s note about the IE location. |  |
| Xiaomi | Relationship between sbfd-RACH-SingleConfig-r19 and sbfd-RACH-DualConfig-r19  | Similar comment as ZTE for sbfd-RACH-SingleConfig-r19.In RAN1#117 meeting, RAN1 agreed that “Enabling both options at the same time for a UE is not supported”. Suggest to capture the restriction in field description or condition. |  |
| LGE001 | - | Remove unchanged IE and clauses. Given that RRC spec is large-sized, it is really hard to review unless the running RRC CR only includes essential part. |  |
| LGE002 | sbfd-rsrp-ThresholdMsg1-RepetitionNum2/4/8 IE in RACH-configConmonSBFD | According to RAN1 parameter list, the separated RSRP threshold to determine Msg1 repetition number for SBFD RO is configured for each BWP, not for each RACH partition.Given that legacy RSRP threshold to determine Msg1 repetition number in legacy RO is configured within BWP-UplinkCommon IE, this separated RSRP threshold should be configured in the same place, i.e., directly within BWP-UplinkCommon IE. There is no need to further configure these thresholds in AdditionalRACH-Config IE.Suggestion: move sbfd-rsrp-ThresholdMsg1-RepetitionNum2/4/8 to directly in BWP-UplinkCommon IE and remove these from RACH-ConfigCommonSBFD IE. |  |
| LGE003 | *sbfd-RACH-SingleConfig* | We may need to further discuss whether the this indication (i.e., indicating whether RACH configuration Option 1 for SBFD random access operation is enabled or not from network side) should be configured for each Cell/BWP or for each RACH configuration). We are okay for companies’ view but given that there is no explicit discussion on this, propose to add an EN to further discuss. |  |
| LGE004 | *sbfd-RACH-SingleConfig* and *sbfd-RACH-DualConfig* in BWP*-UplinkCommon* IE | Similar comment as ZTE.In RAN2#128 meeting, it is agreed that only one RACH configuration option is supported in a cell:* Only one RACH configuration option (i.e., either RACH configuration Option 1 with Alt 1-1 or RACH configuration Option 2) is supported in a cell.

Therefore, some network restriction to allow only one RACH configuration option in a cell should be specified, e.g., in field description or in conditional presence. |  |
| LGE005 | ra-OccasionType in *BeamFailureRecoveryConfig* | In our understanding, this indication is intended to indicate RO type in **CFRA** case:* **For CFRA** triggered by BFR, the RO type is indicated in BeamFailureRecoveryConfig.

However, in BFR config, it is possible that CFRA resource is not included, while RA prioritization parameter (e.g., ra-Prioritization IE or ra-PrioritizationTwoStep IE) is included in the BFR config. In this case, even though the RA is initiated for Beam failure recovery, CBRA is performed due to no CFRA resource in BFR config. Note that it is different fallback from CFRA to CBRA, which is caused by low channel quality even though CFRA resource is configured for BFR.In this sense, in order to avoid any confusion on whether the RO type can indicated without CFRA resource configuration, suggest to change the field description of ra-OccasionType-19 as follows:Indicates the RACH occasion type for CFRA, SBFD or non-SBFD, to be used a SBFD capable UE. |  |
| LGE006 | ra-OccasionType in *RACH-ConfigDedicated* | Similar comment in LGE005. It should be clarified that this field indicates RO type for **CFRA** cases. Suggest to change the field description of ra-OccasionType-19 as follows:Indicates the RACH occasion type for CFRA, SBFD or non-SBFD, to be used a SBFD capable UE. |  |
| LGE007 | SchedulingRequestResourceConfigExt-v19xy | SchedulingRequestResourceConfigExt-v19xy is defined, but it is never be used. Similar to other SchedulingRequestResourceConfigExt-v1610/v1700, following configuration may be needed under PUCCH-Config IE, as an optional field:* schedulingRequestResourceToAddModListExt-v19xy SEQUENCE (SIZE (1..maxNrofSR-Resources)) OF SchedulingRequestResourceConfigExt-v19xy
 |  |
| LGE008 | PUCCH-CSI-ResourceExt-v19xy | Similar as LGE007, PUCCH-CSI-ResourceExt-v19xy is never used. Further discussion may be needed on how to configure symbol type for each PUCCH-CSI-Resource, based on RAN1 parameter list. |  |
| LGE009 | SCS-SpecificCarrier | Typo: close the square bracket, i.e., ‘]]’ is missing at the end of SCS-SpecificCarrier IE. |  |
| CMCC | BWP-UplinkCommon | Within table of *BWP-UplinkCommon* field descriptions, we think that the last sentence of *additionalRACH-ConfigList* should be revised to “If at least two of *rach-ConfigCommon*, *msgA-ConfigCommon* and *rach-ConfigCommonSBFD* are configured for a specific *FeatureCombination*, the network always provides them in the same *additionalRACH-Config.*”. |  |
| Nokia  | BWP-{Downlink,Uplink}Dedicated  | On the description of *sbfd-Configuration2-{Reception,Transmission}*, RAN1 specifications specify the behaviour when *sbfd-Configuration2-{Reception, Transmission}* is provided, and do not refer to a ‘configuration 1’ in any case. We think the sentence in the description ‘If not enabled, Configuration 1 is applied for xxx in the given DL BWP’ can be removed  |   |
| Nokia  | ConfiguredGrantConfig, SchedulingRequestResourceConfig, etc..  | Same reasoning as earlier: ‘for SBFD Configuration 1’ can be removed from the description of *symbolType*. It is clear from the second sentence that this is only configured when Configuration 2 is not enabled.   |   |