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| --- | --- | --- | --- |
| Company | Clause | Comment | Rapp Response |
| Xiaomi | 5.8.9.1.2 | 1> set the entryincluded in the *sl-CarrierToAddModList*, :2> set the *SLRB-Config* included in the *slrb-ConfigToAddModList*, according to the received *sl-RadioBearerConfig* and *sl-RLC-BearerConfig* corresponding to the sidelink DRB;Bullet 2 is RB modification not carrier modification  |  |
| Xiaomi | 5.8.9.1a.6.1 | 1> for groupcast and broadcast, for sidelink DRB, if *SL-RLC-BearerConfig* is received in *sl-RLC-BearerToAddModListSizeExt* in *sl-ConfigDedicatedNR* for a *sl-ServedRadioBearer*, and if the *SL-TxProfile* of at least one associated QoS flow for the *sl-ServedRadioBearer* indicates *backwardsCompatible* and UE decides to use PDCP duplication; orAccording to the agreement, this case only applies to RRC\_IDLE/INACTIVE. *If at least one QoS flow having Tx profile with value set to backwards compatible is mapped to the radio bearer, legacy carrier is used for transmission for this radio bearer, for RRC\_IDLE/RRC\_INACTIVE/OOC case.*For RRC\_CONNECTED, NW should ensure all the Qos flows for the same RB indicates the same Tx profile.Also “use the legacy carrier” is not reflected.  |  |
| Xiaomi | 5.8.9.1b.1 | Suggest to have separate section for release condition and release operation. Regarding release condition;1> for unicast, if the sidelink carrier release was triggered due to the reception of the *RRCReconfigurationSidelink* message; or1. for unicast, after receiving the *RRCReconfigurationCompleteSidelink* message if the sidelink carrier release was triggered due to the configuration received within the *sl-ConfigDedicatedNR,* *SIB12*, *SidelinkPreconfigNR ,upper layer or due to change of UE capabilities of either UE*; or

1> for unicast, after receiving the *RRCReconfigurationCompleteSidelink* message if the sidelink carrier release was triggered due to the maximum number of consecutive HARQ DTX for peer UE has been reachedFor operation：2> for each *sl-Carrier-Id* value included in the *sl-CarrierToReleaseList*:3> if the current UE configuration includes a sidelink carrier with value *sl-Carrier-Id*:4> release the sidelink carrier for reception or transmission |  |
| Xiaomi | 5.8.9.1b.2 | Similar as above. Condition for add/modify 1. for unicast, if the sidelink carrier release was triggered due to the reception of the *RRCReconfigurationSidelink* message; or
2. for unicast, after receiving the *RRCReconfigurationCompleteSidelink* message if the sidelink carrier release was triggered due to the configuration received within the *sl-ConfigDedicatedNR,* *SIB12*, *SidelinkPreconfigNR ,upper layer or due to change of UE capabilities of either UE*;

Regarding add/modify operation:1> for unicast, if the sidelink carrier addition was triggered due to the reception of the *RRCReconfigurationSidelink* message; 2> for each *sl-Carrier-Id* value included in the *sl-CarrierToAddModList* that is not part of the current UE configuration (sidelink carrier addition):3> add the sidelink carrier, corresponding to the *sl-Carrier-Id*, in accordance with the *sl-AbsoluteFrequencyPointA* for reception;1. for unicast, after receiving the RRCReconfigurationCompleteSidelink message if the sidelink carrier release was triggered due to the configuration received within the sl-ConfigDedicatedNR, SIB12, SidelinkPreconfigNR ,upper layer or due to change of UE capabilities of either UE;
2. add the sidelink carrier taking into account at least carrier(s) mapped to the sidelink QoS flow(s) configured by the upper layer, carriers configured in *sl-ConfigDedicatedNR,* *SIB12* or *SidelinkPreconfigNR*, and carrier(s) supported by both UEs
 |  |
| Xiaomi | 6.3.5 | sl-FreqInfoToAddModListExt-v18xy SEQUENCE (SIZE (1..maxNrofFreqSL-r16)) OF SL-FreqConfigExt-v18xyshould be maxNrofFreqSL-1-r18? |  |
| Xiaomi | 6.3.5 | SL-SCCH-CarrierSetConfig-r18 ::= SEQUENCE { sl-destinationList-r18 SEQUENCE (SIZE (1..maxNrofSL-Dest-r16)) OF SL-DestinationIdentity-r16, allowedCarrierFreqSet1-r18 SEQUENCE (SIZE (1..maxNrofFreqSL-r16)) OF INTEGER (1..maxNrofFreqSL-r16), allowedCarrierFreqSet2-r18 SEQUENCE (SIZE (1..maxNrofFreqSL-r16)) OF INTEGER (1..maxNrofFreqSL-r16)}Why the CC set is configured per DST? Should be per LCH configuration |  |
| Xiaomi | 6.3.5 | ue-toUE-COT-SharingED-Threshold-r18 INTEGER (-85..-52)should be To |  |
| Xiaomi | 6.3.5 | sl-threshCBR-FreqKeeping-r15 should be r18 |  |
| Xiaomi | 6.6.2 | RRCReconfigurationSidelink-v18xy-IEs ::= SEQUENCE { sl-CarrierToAddModList-r18 SEQUENCE (SIZE (1..maxNrofFreqSL-1-r18)) OF SL-CarrierConfig-r18 OPTIONAL, -- Need N sl-CarrierToReleaseList-r18 SEQUENCE (SIZE (1..maxNrofFreqSL-1-r18)) OF SL-CarrierId-r18 OPTIONAL, -- Need N sl-RLC-BearerToAddModList-r18 SEQUENCE (SIZE(1..maxNrofSLRB-r16)) OF SL-RLC-BearerConfig-r18 OPTIONAL, -- Need N sl-RLC-BearerToReleaseList-r18 SEQUENCE (SIZE(1..maxNrofSLRB-r16)) OF SL-RLC-BearerConfigIndex-r18 OPTIONAL -- Need N}SL-RLC-BearerConfig-r18 ::= CHOICE { srb SEQUENCE { sl-SRB-IdentityWithDuplication INTEGER (1..3), sL-RLC-BearerConfigIndex-r16 SL-RLC-BearerConfigIndex-r18, ... }, drb SEQUENCE { slrb-PC5-ConfigIndex-r18 SLRB-PC5-ConfigIndex-r16, sL-RLC-BearerConfigIndex-r18 SL-RLC-BearerConfigIndex-r18, sl-RLC-ConfigPC5-r18 SL-RLC-ConfigPC5-r16 OPTIONAL, -- Need M sl-MAC-LogicalChannelConfigPC5-r18 SL-LogicalChannelConfigPC5-r16 OPTIONAL, -- Need M ... Should be v18xy? |  |
| Xiaomi | 6.6.2 |  drb SEQUENCE { slrb-PC5-ConfigIndex-r18 SLRB-PC5-ConfigIndex-r16, sL-RLC-BearerConfigIndex-r18 SL-RLC-BearerConfigIndex-r18, sl-RLC-ConfigPC5-r18 SL-RLC-ConfigPC5-r16 OPTIONAL, -- Need M sl-MAC-LogicalChannelConfigPC5-r18 SL-LogicalChannelConfigPC5-r16 OPTIONAL, -- Need M ... }According to 331, the value ragne of additional LCID is 1-32 while according to running MAC spec, the LCID for addditoinal bearer is 21-36, which is not aligned.  |  |
|  | 6.6.2 | SL-CarrierId-r18 ::= INTEGER (0..maxNrofFreqSL-1-r18)Should be 1.. maxNrofFreqSL-1-r18? |  |
| ZTE |  | WID should be “NR\_SL\_enh2-Core” |  |
| ZTE | 6.2.2 | What is “aligned with sl-QoS-flowID in SL QoS info”?***sl-QoS-FlowIdentity***This identity uniquely identifies one sidelink QoS flow between the UE and the network in the scope of UE, aligned with the *sl-QoS-FlowIdentity* in *SL-QoS-Info*. |  |
| ZTE | 6.2.2 | FD of following IE is missingSL-CarrierFailure-r18 ::= SEQUENCE { sl-DestinationIdentity-r18 SL-DestinationIdentity-r16, sl-CarrierFailure-r18 SEQUENCE (SIZE (1..maxNrofFreqSL-r16)) OF INTEGER (1..maxNrofFreqSL-r16)} |  |
| ZTE | 6.3.1 | Why does not SIB12 include “SL-SCCH-CarrierSetConfig”? |  |
| ZTE | 6.3.2 | The FD of “sl-frequency” is missing. The value of this IE is integer, so is it ID of frequency within SL frequency list configured to UE?MeasObjectNR-SL-v18xy ::= SEQUENCE { sl-Frequency INTEGER (1..maxNrofFreqSL-r16), tx-PoolMeasToRemoveList-r16 Tx-PoolMeasList-r16 OPTIONAL, -- Need N tx-PoolMeasToAddModList-r16 Tx-PoolMeasList-r16 OPTIONAL -- Need N} |  |
| ZTE | 6.3.5 | 1. we think the intention of network configure SCCH allowed carrier is to mimic DRB case, i.e. per logical channel, seems current signaling design is per logical channel type. Suggest to add “SRB ID” within SCCH allowed carrier list2. following description is not enough for two allowed SRB carrier list. Current description does not clarify why are two allowed carrier lists configured. Seems current wording mimic LTE V2X’s signaling design. In LTE V2X, we also have following description in LTE MAC spec. We think following description is also necessary for NR V2X.If duplication is activated as specified in TS 36.323 [4], the MAC entity shall map different sidelink logical channels which correspond to the same PDCP entity onto different carriers in accordance with clause 5.14.1.5, or onto different carriers of different carrier sets (if configured in *allowedCarrierFreqList* for the corresponding destination). For a given sidelink logical channel, it is up to UE implementation which carrier set to select among the carrier sets configured in *allowedCarrierFreqList* (if configured) for the corresponding destination.Suggest to adopt following description***allowedCarrierFreqSet1, allowedCarrierFreqSet2***Indicates the set of carrier frequencies applicable for the transmission of the MAC SDUs from the sidelink SRB logical channels whose associated destination is included in *sl-destinationList*. If present, network ensures *allowedCarrierFreqSet1* and *allowedCarrierFreqSet2* do not include the same carrier frequency. For a given sidelink SRB logical channel, it is up to UE implementation which carrier set to select among the carrier sets. If duplication is activated as specified in TS 38.323 [\*], the MAC entity shall map different sidelink logical channels of SL RLC bearer which correspond to the same PDCP entity onto different carrier sets.3. the meaning of ***allowedCarrierFreqSet1*** is not clear. The value of entry in this list is an integer, is it ID of frequency within SL frequency list configured to UE. |  |
| ZTE | 6.3.5 | Is it appropriate to use such long IE name in ASN.1? harq-ACKFeedbackRatioforContentionWindowAdjustmentGC-Option2-r18 INTEGER (10..100) OPTIONAL, -- Need M |  |
| ZTE | 6.3.5 | Following agreement is missing.2: For SL-DRB the CAPC value is (pre)configurable per-DRB as in NR-U. |  |
| ZTE | 6.3.5 | Following FD should be removed, since corresponding IE is not present.***sl-AbsoluteFrequencySSB***Indicates the frequency location of sidelink SSB. The transmission bandwidth for sidelink SSB is within the bandwidth of this sidelink BWP. |  |
| ZTE | 9.2 | The new added “MAC configuration” for duplication shares same name with legacy MAC configuration for SRB. Suggested to use “MAC configuration associated to additional RLC configuration” |  |
| ZTE | 9.x | Do we need to move R17 tx profile to the new added clause 9.X? |  |
| Huawei, HiSilicon | 6.3.2 | Within IE MeasObjectNR-SL, the FD for field sl-Frequency is needed, as this field is new and appears for the first time. The FD can reuse the change on similar SUI fields, " The value 1 corresponds to the frequency of first entry in sl-FreqInfoList broadcast in SIB12, the value 2 corresponds to the frequency of first entry in sl-FreqInfoListSizeExt broadcast in SIB12, the value 3 corresponds to the frequency of second entry in sl-FreqInfoListSizeExt broadcast in SIB12 and so on." |  |
| Huawei, HiSilicon | 6.3.2 | Within IE MeasResultsSL: though RAN2 has no explicit agreement on the frequency dimension (i.e. carrier index), it is straightforward such frequency dimension (i.e. carrier index) is needed for measurement results.  |  |