**3GPP TSG-RAN2 Meeting #127 *R2-240xxxx***

**Maastricht, Netherlands, 19th August 2024 - 23rd August 2024**

Agenda Item: 7.15.2

Source: OPPO

Title: Discussion on LS R1-2405530

Document for: Discussion, Decision

1. Introduction

This is to discuss the offline as follows.

1. Discussion on 6265

R2-2406265 Miscellaneous correction on R18 SL Evolution OPPO CR Rel-18 38.331 18.2.0 4863 - F NR\_SL\_enh2

Change-1:

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| --- | --- |
| Reason for Change | There are both “Additional RLC bearer” and “Additional sidelink RLC bearer” terms in the spec, while on the former has been defined. |
| Summary of change: | Align the terminology as “Additional sidelink RLC bearer” |
| CR |  |

Change-2:

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| --- | --- |
| Reason for Change | In 5.8.9.1a.4, it is specified that RRC layer indicate “carrier**(s)**”, as indicated in *sl-FreqInfoList* / *sl-PreconfigFreqInfoList*, to lower layer, but neither *sl-FreqInfoList* nor *sl-PreconfigFreqInfoList* will include more than one carrier. |
| Summary of change: | Remove the plural form of the “carrier**~~(s)~~**” in 5.8.9.1a.4 |
| CR |  |

Change-3:

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| --- | --- |
| Reason for Change | In 5.8.9.1a.6.1, one of the duplication configuration initiation condition is “for unicast, for sidelink SRB 1/2/3, if UE **decides to use** PDCP duplication after receiving RRCReconfigurationCompleteSidelink”, which comes from R2#123bis agreement that ***Agreements on SRBs****1. SL PDCP duplication can be* ***applied*** *to SL-SRB3 only after receiving RRCReconfigurationCompleteSidelink.**2. SL PDCP duplication can be* ***applied*** *to SL-SRB1/2 only after receiving RRCReconfigurationCompleteSidelink.*The real intention was to restrict the timing to “**apply**” the duplication, which has already been reflected in 5.8.9.1a.6.2, “for unicast, for SRB, **after receiving the *RRCReconfigurationCompleteSidelink* message**, if the additional Sidelink RLC bearer addition **was decided by UE**:”, and it is obvious that the duplication **decision** has to be done **before** the transmission of the RRCReconfiguratIonSidelink. |
| Summary of change: | Remove the restriction of “after receiving RRCReconfigurationCompleteSidelink”, and add the condition of UE capability, to align with DRB case. |
| CR |  |

Change-4:

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| Reason for Change | In 9.1.1.4/5, for the RLC and MAC configuration of additional SL RLC bearer, terminologies are not aligned. |
| Summary of change: | Align the terms, to be “Additional RLC configuration”, and “MAC configuration associated to additional RLC configuration” |
| CR |  |

**Q1: Do you agree with the 4 changes proposed by 6265? If no, please clarify which changes is not agreeable and why**

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| Company | Yes/No | Comment (e.g., which change is not agreeable and why) |
| Huawei, HiSilicon | Yes |  |
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1. Discussion on 7372

R2-2407372 Correction on setuprelease type sidelink fields handling Google CR Rel-18 38.331 18.2.0 4821 1 F NR\_SL\_enh2 R2-2405322

Change-1:

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| Reason for Change | Section 5.8.13.2:When the *sl-DiscConfig* is “not set to *setup”* in the *RRCReconfiguration*; and the frequency used for NR sidelink discovery is not included *in sl-FreqInfoList* included in *SIB12* or not sl-DiscConfigCommon is included in SIB12, the UE should pefrom the actions as specifed in the bullet “1> else”. Current UE behaviour is not correct. |
| Summary of change: | In section 5.8.13.2, add the sentence “and set to setup” in the first bullet 1>. |
| CR |  |

Change-2:

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| Reason for Change | Section 5.8.9.1.3:When the receiving *PCsl-DRX-ConfigUC-PC5* is set to release, the UE should configure lower layer to cancel the sidelink DRX operation associated to the PC5-RRC connection.When the *sl-MeasConfig* is set to *release*, the UE should release all the stored sidelink measurement object, sidelink reporting configuration, the sidelink quantity configuration and sidelink measurement identity; |
| Summary of change: | In section 5.8.9.1.3:Add a bullet to specify the cancel behaviours after receiving the *PCsl-DRX-ConfigUC-PC5*; Add the bullet to specify the UE behaviours related to release all the stored sidelink measurement object, sidelink reporting configuration, the sidelink quantity configuration and sidelink measurement identity;  |
| CR |  |

Change-3:

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| Reason for Change | Section 5.3.5.14:The field *sl-UE-SelectedConfig* should not be configured simultaneously with *sl-ScheduledConfig*. In current procedural text, there is no UE behaviors related to release *sl-UE-SelectedConfig* and *sl-ScheduledConfig*. If the request from the NW is to release the stored *sl-UE-SelectedConfig* and setup *sl-ScheduledConfig*, the UE will keep both configurations according to current procedural text. |
| Summary of change: | In section 5.3.5.14, add the bullets to specify the UE actions related to release *sl-ScheduledConfig* and *sl-UE-SelectedConfig*. |
| CR |  |

Change-4:

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| Reason for Change | Section 5.3.5.3 and 5.3.13.4:When the sl-ConfigDedicatedNR is set to release, the UE should release the stored sidelink configurations.5.8.9.1b.1.1 Sidelink Carrier Release ConditionFor NR sidelink communication, sidelink carrier release is initiated in the following cases:1> for unicast, if sl-Carrier-Id of the sidelink carrier is received in sl-CarrierToReleaseList in the RRCReconfigurationSidelink; or1> for unicast, if a sidelink carrier failure has been indicated by MAC layer; or1> for unicast, if the sidelink carrier release was triggered due to the configuration received within the sl-ConfigDedicatedNR, SIB12, SidelinkPreconfigNR or upper layer; or |
| Summary of change: | In 5.3.5.3 and 5.3.13.4, specify that the UE releases the sl-ConfigDedicatedNR according to section 5.8.9.1b.1. |
| CR |  |

**Q2: Do you agree the 4 changes proposed by 7372? If no, please clarify which changes is not agreeable and why**

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| Company | Yes/No | Comment (e.g., which change is not agreeable and why) |
| OPPO | No | Considering this part in the specThere is no need for this change (within change-2) at leastFor the other changes, considering RRC Rapp proposal in We lean towards negative for the other changes.But we are open to hear views from others. |
| Huawei, HiSilicon | No | Considering there will be no critical ambiguity of UE behavior without the changes, we understand such descriptions related to setup/release type fields can be added for future releases. |
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