3GPP TSG-RAN WG2 Meeting #114 electronic R2-210xxxx
Online, May 19 – 27, 2021

Agenda Item: 10.8

Source: Session Chair (Samsung)

Title: Report from session on LTE V2X and NR SL

Document for: Approval

Time Schedule
Please refer to the latest schedule in the RAN2 inbox on the public 3GPP servers.

## 4.3 V2X and Sidelink corrections Rel-15 and earlier

Documents in this agenda item will be handled in a break out session.

## 6.2 NR V2X

(5G\_V2X\_NRSL-Core; leading WG: RAN1; REL-16; started: Mar 19; target; Aug 20; WID: RP-200129).

Documents in this agenda item will be handled in a break out session

Tdoc Limitation: 5 tdocs. See also tdoc limitation for Agenda Item 6

CR rapporteurs will take care of miscellaneous CRs to collect small changes. Please contact / coordinate with CR rapporteur company first for small changes (e.g. non-controversial clarification/correction, editorial correction, etc.).

### 6.2.1 General and Stage-2 corrections

Including incoming LSs, rapporteur inputs, etc.

R2-2104711 LS on the configuration of search spaces for scheduling SL transmissions (R1-2104063; contact: Ericsson) RAN1 LS in Rel-16 5G\_V2X\_NRSL-Core To:RAN2

[In-principle agreed CRs]

R2-2105587 Clarification on LTE DAPS and sidelink on 36.300 Huawei, HiSilicon CR Rel-16 36.300 16.5.0 1338 1 F 5G\_V2X\_NRSL-Core R2-2104107

R2-2105770 Handling of new features and NBC changes in sidelink Ericsson discussion Rel-16 5G\_V2X\_NRSL-Core

### 6.2.2 Control plane corrections

Including control plane in-principle agreed CRs from RAN2#113bis-e. This agenda item may utilize a summary document on RRC (Huawei).

[In-principle agreed CRs]

R2-2105585 Correction on TS 38.331 from the latest RAN1 decisions Huawei, HiSilicon CR Rel-16 38.331 16.4.1 2552 2 F 5G\_V2X\_NRSL-Core R2-2104461

R2-2105586 Corrections on MCS selection Huawei, HiSilicon CR Rel-16 38.321 16.4.0 1095 2 F 5G\_V2X\_NRSL-Core R2-2104462

R2-2105589 Miscellaneous corrections on TS 38.331 for NR V2X Huawei, HiSilicon CR Rel-16 38.331 16.4.1 2551 2 F 5G\_V2X\_NRSL-Core R2-2104464

R2-2105588 Miscellaneous corrections on TS 36.331 for NR V2X Huawei, HiSilicon CR Rel-16 36.331 16.4.0 4631 2 F 5G\_V2X\_NRSL-Core R2-2104465

R2-2105520 Addition of total L2 buffer size and RLC RTT for NR SL in TS 38.306 Huawei, HiSilicon CR Rel-16 38.306 16.4.0 0547 1 F 5G\_V2X\_NRSL-Core R2-2103172

R2-2104840 Correction on V2X UE capability OPPO CR Rel-16 38.306 16.4.0 0543 2 F 5G\_V2X\_NRSL-Core R2-2104460

R2-2106636 Summary of CP corrections in AI 6.2.2 Huawei, HiSilicon discussion Rel-16 5G\_V2X\_NRSL-Core

R2-2104830 Left issue on sync configuration OPPO discussion Rel-16 5G\_V2X\_NRSL-Core

R2-2105301 Miscellaneous corrections on TS38.331 CATT CR Rel-16 38.331 16.4.1 2612 - F 5G\_V2X\_NRSL-Core

R2-2105590 Miscellaneous corrections on TS 38.331 for NR V2X (Rapporteur CR) Huawei, HiSilicon CR Rel-16 38.331 16.4.1 2631 - F 5G\_V2X\_NRSL-Core

R2-2105591 Miscellaneous corrections on TS 36.331 for NR V2X (Rapporteur CR) Huawei, HiSilicon CR Rel-16 36.331 16.4.0 4662 - F 5G\_V2X\_NRSL-Core

R2-2105082 Discussion on MCS table configuration ZTE Corporation, Sanechips discussion Rel-16 5G\_V2X\_NRSL-Core

R2-2105346 Discussion on SL-SRB1 integrity check failure handling vivo discussion

R2-2105347 CR on SL-SRB1 integrity check failure handling vivo CR Rel-16 38.331 16.4.1 2618 - F 5G\_V2X\_NRSL-Core

R2-2105348 Draft LS on SL-SRB1 integrity check failure handling vivo LS out To:SA3 Cc:CT1

R2-2105298 Correction on security handling for SL-SRB1 CATT CR Rel-16 38.331 16.4.1 2610 - F 5G\_V2X\_NRSL-Core

R2-2105643 Correction of Sidelink Configured Grant Type 1 Usage During Handover Nokia, Nokia Shanghai Bell, Samsung Electronics CR Rel-16 38.331 16.4.1 2636 - F 5G\_V2X\_NRSL-Core

R2-2105772 Handling of sidelink configured grant during handover Ericsson CR Rel-16 38.331 16.4.1 2648 - F 5G\_V2X\_NRSL-Core

R2-2105081 Correction on TS 38.331 from the latest RAN1 decisions ZTE Corporation, Sanechips CR Rel-16 38.331 16.4.1 2597 - F 5G\_V2X\_NRSL-Core

R2-2105300 Correction on SS config for scheduling SL CATT CR Rel-16 38.331 16.4.1 2611 - F 5G\_V2X\_NRSL-Core

R2-2105592 Clarification on dci-FormatsSL Huawei, HiSilicon CR Rel-16 38.331 16.4.1 2632 - F 5G\_V2X\_NRSL-Core

R2-2105771 Configuration of search spaces for scheduling SL transmissions Ericsson CR Rel-16 38.331 16.4.1 2647 - F 5G\_V2X\_NRSL-Core

R2-2105349 Clarification on priority of LTE PSSS SSSS PSBCH vivo CR Rel-16 36.331 16.4.0 4659 - F 5G\_V2X\_NRSL-Core

R2-2105913 Correction on sidelink configuration ZTE Corporation, Sanechips CR Rel-16 38.331 16.4.1 2651 - F 5G\_V2X\_NRSL-Core

### 6.2.3 User plane corrections

Including user plane in-principle agreed CRs from RAN2#113bis-e. This agenda item may utilize a summary document on MAC (LG).

[In-principle agreed CRs]

R2-2105042 38321CR on correction of SL configured grant OPPO CR Rel-16 38.321 16.4.0 1065 1 F 5G\_V2X\_NRSL-Core R2-2102731

R2-2105043 38331 CR on correction of SL configured grant OPPO CR Rel-16 38.331 16.4.1 2477 1 F 5G\_V2X\_NRSL-Core R2-2102732

R2-2105497 Correction of PQFI terminology in SDAP Ericsson CR Rel-16 37.324 16.2.0 0020 2 F 5G\_V2X\_NRSL-Core R2-2104542

R2-2106638 Miscellaneous MAC corrections LG Electronics Inc. CR Rel-16 38.321 16.4.0 1096 1 F 5G\_V2X\_NRSL-Core

R2-2106490 Correction on TS 38.321 for mode 2 UE performing re-evaluation check OPPO CR Rel-16 38.321 16.4.0 1074 1 F 5G\_V2X\_NRSL-Core R2-2102995

R2-2106213 Review Report on MAC CRs in AI 6.2.3 LG Electronics Inc. discussion Rel-16 5G\_V2X\_NRSL-Core Late

R2-2104831 Left issue on PUCCH reporting OPPO discussion Rel-16 5G\_V2X\_NRSL-Core

R2-2104832 Left issue on maxTransNum OPPO discussion Rel-16 5G\_V2X\_NRSL-Core

R2-2104833 Correction on UL-SL prioritization OPPO, Apple CR Rel-16 38.321 16.4.0 1097 - F 5G\_V2X\_NRSL-Core

R2-2104834 Correction on UL-SL prioritization OPPO, Apple CR Rel-16 36.321 16.4.0 1523 - F 5G\_V2X\_NRSL-Core

R2-2105080 Correction on SR procedur for sidelink BSR ZTE Corporation, Sanechips CR Rel-16 38.321 16.4.0 1102 - F 5G\_V2X\_NRSL-Core

R2-2105126 Correction on the usage of sl-ReselectAfter Apple, OPPO, Huawei, HiSilicon, Qualcomm Incorporated CR Rel-16 38.321 16.4.0 1103 - F 5G\_V2X\_NRSL-Core

R2-2105276 Correction on condition of setting the resource reservation interval for mode 2 SHARP Corporation discussion Rel-16 5G\_V2X\_NRSL-Core

R2-2105299 Correction on security handling for SL-SRB1 CATT CR Rel-16 38.323 16.3.0 0072 - F 5G\_V2X\_NRSL-Core Withdrawn

R2-2105350 Remaining issues on sl-MaxTransNum configuration and UE behaviour vivo discussion

R2-2105599 Clarification on setting the cast type indicator Huawei, HiSilicon CR Rel-16 38.321 16.4.0 1105 - F 5G\_V2X\_NRSL-Core

R2-2105633 Handling of the retransmission TB without an associated SL process Huawei, HiSilicon CR Rel-16 38.321 16.4.0 1106 - F 5G\_V2X\_NRSL-Core

## 8.15 NR Sidelink enhancements

(NR\_SL\_enh-Core; leading WG: RAN1; REL-17; WID: RP-202846)

Time budget: 1 TU

Tdoc Limitation: 3 tdocs

Email max expectation: 3 threads

### 8.15.1 Organizational

Including incoming LSs, rapporteur inputs, etc.

### 8.15.2 SL DRX

Including remaining proposals from [POST113-e][703], [POST113-e][704], [AT113bis-e][706], [AT113bis-e][707], and [AT113bis-e][708].

R2-2104841 Summary of [POST113-e][704] TX UE centric or RX UE centric DRX configuration determination (OPPO) OPPO report Rel-17 NR\_SL\_enh-Core R2-2102889

Proposal 1 [19/21] In SL unicast, for DRX configuration of each direction where one UE as Tx-UE and the other UE as Rx-UE, support signalling exchange including both 1) Signaling-1: signalling from RX-UE to TX-UE, and 2) Signaling-2: signalling from TX-UE to RX-UE. [9/21] FFS on whether signalling-2 only procedure is also supported.

Proposal 2 [16/21] In SL unicast, for DRX configuration of each direction where one UE as Tx-UE and the other as Rx-UE, signaling-1 (Rx->Tx) is carried via a new PC5-RRC message, from Rx-UE to Tx-UE.

Proposal 3 [16/21] In SL unicast, for DRX configuration of the direction where one UE as Tx-UE and the other as Rx-UE, signaling-2 (Tx->Rx) is carried via RRCReconfigurationSidelink, to deliver DRX configuration from Tx-UE to Rx-UE.

Proposal 4 [11/21] In SL unicast, for DRX configuration of each direction where one UE as Tx-UE and the other UE as Rx-UE, when Tx-UE is OOC, RAN2 discuss whether Tx-UE decides the DRX configuration in signalling-2 (Tx->Rx) with or without relying on pre-configuration.

Proposal 5 [18/21] In SL unicast, for DRX configuration of each direction where one UE as Tx-UE and the other UE as Rx-UE, when Tx-UE is in-coverage and in RRC\_CONNECTED state, Tx-UE reports the information received in signaling-1 (Rx->Tx) to the serving network.

Proposal 6 [16/21] In SL unicast, for DRX configuration of the direction where one UE as Tx-UE and the other as Rx-UE, when Tx-UE is in-coverage and in RRC\_IDLE/RRC\_INACTIVE state, Tx-UE obtain DRX configuration from SIB to generate signalling-2 (Tx->Rx).

Proposal 7 [17/21] In SL unicast, for DRX configuration of each direction where one UE as Tx-UE and the other as Rx-UE, when Tx-UE is in-coverage and in RRC\_CONNECTED state, RAN2 discuss Tx-UE obtain DRX configuration from dedicated RRC to generate signalling-2 (Tx->Rx).

Proposal 8 [20/21] In SL unicast, for DRX configuration of each direction where one UE as Tx-UE and the other as Rx-UE, when Rx-UE is in-coverage and in RRC\_CONNECTED state, Rx-UE report the DRX configuration received in signalling-2 (Tx->Rx) to the serving network.

R2-2105495 summary offline 706 Ericsson report Rel-17 NR\_SL\_enh-Core R2-2104472

Easy Proposals for Block Approval

Proposal 1 [Easy][16/20] Alignment of Uu DRX and SL DRX for UE may comprise the full overlapping between Uu DRX and SL DRX in time. FFS on spec impacts.

Proposal 2 [Easy][16/20] Alignment of Uu DRX and SL DRX for UE may comprise the partial overlapping between Uu DRX and SL DRX in time. FFS on spec impacts.

Proposal 3 [Easy][16/20] Alignment of Uu DRX and SL DRX for UE may comprise the non overlapping between Uu DRX and SL DRX in time (i.e., UE with single RF chain) if single RF chain scenario is supported. FFS on spec impacts.

Proposal 5 [Easy][20/21] For UEs in RRC CONNECTED, the alignment of Uu DRX and SL DRX is up to gNB, e.g., gNB provides proper DRX configuration and SL DRX configuration to achieve alignment.

Proposals for Online discussion

Proposal 4 [For discussion][14/21] RAN2 to down-scope alignment of Uu DRX and SL DRX for UEs in RRC IDLE and RRC INACTIVE from Rel-17.

Proposal 7 [For discussion][14/21] In case of Mode 1 scheduling, the alignment of Uu DRX of Tx UE and SL DRX of Rx UE shall be considered. FFS on how alignment is achieved.

Proposals of Low priority

Proposal 6 [For discussion][7/21] For UEs in RRC CONNECTED, in order to achieve alignment of Uu DRX and SL DRX, RAN2 further discusses if UE based option is also supported, e.g., UE adjusts SL DRX according to Uu DRX or UE determines SL DRX and reports to gNB.

R2-2104752 [AT113bis-e][707][V2X/SL] Uu DRX Impact to Support SL CATT discussion Rel-17 NR\_SL\_enh-Core

[Easy agreements]:

Proposal 1[18/18]: SL-specific drx-onDurationTimer is not introduced in Uu.

Proposal 2[17/18]: SL-specific drx-InactivityTimer is not introduced in Uu.

Proposal 3[18/18]: For Tx UE configured with sidelink resource allocation mode 1, it should start or restart the Uu drx-InactivityTimer if the UE receives a PDCCH indicating a new SL transmission.

Proposal 4[18/18]: SL-specific drx-HARQ-RTT-Timer and SL-specific drx-RetransmissionTimer should be introduced in Uu, which are maintained based on sidelink process.

Proposal 5 [16/18]: When sl-PUCCH-Config is configured, SL-specific drx-HARQ-RTT-Timer and SL-specific drx-RetransmissionTimer should be maintained for UE configured with sidelink resource allocation mode 1.

Proposal 7 [18/18]: Adopt the following definitions of SL-specific drx-HARQ-RTT-Timer and drx-RetransmissionTimer (the detailed name of the timers can be further discussed):

- drx-RetransmissionTimerSL (per Sidelink process): the maximum duration until a grant for SL retransmission is received;

- drx-HARQ-RTT-TimerSL (per Sidelink process): the minimum duration before a SL retransmission grant is expected by the MAC entity.

Proposal 8[15/18]: When sl-PUCCH-Config is configured, the UE should start the SL-specific drx-HARQ-RTT-Timer in Uu for the corresponding SL HARQ process in the first symbol after the end of the corresponding transmission carrying the SL HARQ feedback via the PUCCH.

Proposal 10[18/18]: In Uu, the SL-specific drx-RetransmissionTimer should be stopped accompany with the start of the SL-specific drx-HARQ-RTT-Timer corresponding to the same sidelink process.

[Need discussion]:

Proposal 6: when sl-PUCCH-Config is not configured, RAN2 should further discuss whether SL-specific drx-HARQ-RTT-Timer and SL-specific drx-RetransmissionTimer should be maintained.

Proposal 9: When sl-PUCCH-Config is configured, if the retransmission of the corresponding sidelink process is necessary, UE should start the SL-specific drx-RetransmissionTimer in Uu for the corresponding HARQ process in the first symbol after the expiry of the SL-specific drx-HARQ-RTT-Timer. RAN2 should further discuss on how to judge whether the retransmission of the corresponding sidelink process is necessary, based on PSFCH feedback or not.

Proposal 11: RAN2 can further discuss how to define the name of the SL-specific drx-HARQ-RTT-Timer and SL-specific drx-RetransmissionTimer in Uu.

R2-2105912 [AT113bis-e][708][V2X/SL] DRX configuration for SL CG and BG ZTE discussion Rel-17 NR\_SL\_enh-Core R2-2104474

[EASY] WA: RAN2 assumes that the V2X layer of Rx UE passes the PC5 QoS parameters together with the corresponding destination layer-2 ID(s) for reception to the AS layer, as per TR 23.776 conclusion, and will further discuss SL DRX design based on this working assumption. RAN2 does not need to send LS to SA2 to clarify this issue.

[EASY]Proposal 1-1:[16/20]For GC/BC, RAN2 understands that DRX cycle should take at least QoS requirement into consideration.

[EASY]Proposal 1-3:[15/20]For GC/BC, if DRX cycle is configured per PQI/QoS, and if UE has multiple PQIs for same DST L2 ID, UE needs to down-select one DRX cycle from available DRX cycles for a specific L2 DST ID, FFS on how to down-select the DRX cycle or leave it to UE implementation.

DRX cycle configuration:

Observation 1-2:[15/20]For GC/BC, RAN2 understands that per DST L2 ID DRX cycle configuration can not ensure the QoS requirement.

Proposal 1-5:[14/20] For GC/BC, DRX cycle is configured per PQI/QoS.

DRX startoffset cofiguration:

Proposal 2-1:[13/20] For GC/BC, RAN2 understands that sl-drx-startoffset does not take QoS requirement into consideration.

Proposal 2-2:[13/20]For GC/BC, For GC/BC, sl-drx-startoffset is set based on DST L2 ID, FFS on whether it is configured per DST L2 ID[12/20] or per DST L2 ID group[9/20], or by some other means.

R2-2104865 Revised Summary of [POST113-e][703][V2X/SL] Details of Timer (InterDigital) InterDigital discussion Rel-17 NR\_SL\_enh-Core

Proposal 13 (Revised) – For unicast, RAN2 further discuss the need for using HARQ feedback at the TX UE for synchronizing the inactivity timer at the TX UE with the RX UE. RAN2 limit discussion to the following options:

A) HARQ feedback (or lack thereof) is used to stop the inactivity timer at the TX UE

B) HARQ feedback (or lack thereof) is used to restart the inactivity timer at the TX UE

C) HARQ feedback (or lack thereof) is not used in the maintenance of the inactivity timer at the TX UE.

Proposal 14b – [13/17] For unicast, RAN2 discusses whether the TX UE (re)starts the timer following an SCI transmission to the RX UE indicating a retransmission.

Proposal 17 (Revised) – The RX UE MAC maintains a separate SL Inactivity timer for each groupcast L2 destination ID, when SL inactivity timer is supported for the scenario.

Proposal 23 [12/13] If SL HARQ RTT timer is supported for HARQ disabled transmissions, the RX UE starts the SL HARQ RTT timer in the symbol/slot following SCI (SCI1+SCI2) reception. FFS whether this applies to all SCI transmissions.

Proposal 27 [15/21] For cases where there is no uncertainty in the timing of a retransmission for a HARQ process the RX UE uses a retransmission timer. FFS on how to set the retransmission timer (e.g. predefined or configured) and when it is started

Proposal 30 – [15/21] SL HARQ RTT timer and SL Retransmission timer are not used for broadcast transmissions. RAN2 discusses how to handle retransmissions at the TX UE for broadcast in this case.

Proposal 32 (Revised) – [14/21] The SL active time of the RX UE includes the slots associated with announced periodic transmissions by the TX UE (as per SCI)

R2-2106202 Remaining issues in which UE decides sidelink DRX configurations LGE, InterDigital, Huawei, ASUSTeK, Apple discussion Rel-17

R2-2104835 Discussion on DRX configuration and DRX timers OPPO discussion Rel-17 NR\_SL\_enh-Core

R2-2104836 Left issues on SL DRX RTT timer OPPO, Intel, Xiaomi communications discussion Rel-17 NR\_SL\_enh-Core

R2-2105277 Discussion on co-existence with UEs not supporting SL DRX SHARP Corporation discussion Rel-17 NR\_SL\_enh-Core

R2-2105733 Geolocation for Sidelink DRX Nokia, Nokia Shanghai Bell, Fujitsu, Fraunhofer IIS, Fraunhofer HHI discussion Rel-17 NR\_SL\_enh-Core R2-2103468

R2-2104750 Leftover Issues on DRX for Sidelink Unicast CATT discussion Rel-17 NR\_SL\_enh-Core

R2-2104751 DRX Design for Sidelink Groupcast and Broadcast CATT discussion Rel-17 NR\_SL\_enh-Core

R2-2104769 Discussion on network involvement for SL related DRX OPPO discussion Rel-17 NR\_SL\_enh-Core

R2-2104866 Open Issues on SL DRX InterDigital discussion Rel-17 NR\_SL\_enh-Core

R2-2104867 On TX Centric vs RX Centric Approaches for DRX Configuration Determination InterDigital, Apple, Huawei discussion Rel-17 NR\_SL\_enh-Core

R2-2105023 Further discussion on SL DRX operation Intel Corporation discussion Rel-17 NR\_SL\_enh-Core

R2-2105024 On DRX wake-up time alignment Intel Corporation discussion Rel-17 NR\_SL\_enh-Core

R2-2105073 DRX Configuration for UC BC GC and its interaction with Sensing Lenovo, Motorola Mobility discussion NR\_SL\_enh-Core

R2-2105077 Discussion on SL DRX configuration ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

R2-2105078 Discussion on SL DRX timer ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

R2-2105083 Consideration on the sidelink DRX for unicast Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

R2-2105131 Discussion on RX-centric and Tx-centric in SL unicast DRX Apple, InterDigtal Inc. discussion Rel-17 NR\_SL\_enh-Core

R2-2105132 Discussion on remaining issues of SL DRX Apple discussion Rel-17 NR\_SL\_enh-Core

R2-2105248 NR SL DRX Fraunhofer IIS, Fraunhofer HHI discussion Rel-17

R2-2105278 Discussion on SL DRX inactivity timer SHARP Corporation discussion Rel-17 NR\_SL\_enh-Core

R2-2105297 Further discussion on Sidelink DRX LG Electronics France discussion NR\_SL\_enh-Core

R2-2105351 SL DRX Configuration Impact on RAN1 and RAN2 vivo discussion

R2-2105352 Left issues on SL DRX vivo discussion

R2-2105385 Discussion on active time regarding Sidelink DRX ASUSTeK discussion Rel-17 NR\_SL\_enh-Core

R2-2105400 Discussion on HARQ RTT and Retransmission Timer for SL DRX Fujitsu discussion Rel-17 NR\_SL\_enh-Core R2-2103287

R2-2105401 Alignment of sidelink DRX active time Fujitsu discussion Rel-17 NR\_SL\_enh-Core R2-2103288

R2-2105458 Coordination between Uu DRX and SL DRX Lenovo, Motorola Mobility discussion Rel-17 NR\_SL\_enh-Core

R2-2105480 Discussion on sidelink DRX configuration Xiaomi communications discussion

R2-2105484 DRX alignment between TX and RX UE Xiaomi communications discussion

R2-2105493 Remaining aspects of SL DRX Ericsson discussion Rel-17 NR\_SL\_enh-Core

R2-2105532 Remaining issues on DRX Timers for SL Spreadtrum Communications discussion Rel-17 NR\_SL\_enh-Core

R2-2105553 Consideration on sidelink DRX for broadcast and groupcast Huawei, HiSilicon discussion Rel-17

R2-2105593 Discussion on SL communication impact on Uu DRX Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

R2-2105707 Proposals for Sidelink DRX Sony discussion Rel-17 NR\_SL\_enh-Core

R2-2105902 Discussion on Directional SL DRX for Unicast Qualcomm Finland RFFE Oy discussion

R2-2105904 Discussion on SL DRX configuration for Groupcast & Broadcast Qualcomm Finland RFFE Oy discussion

R2-2105906 Discussion on SL DRX Timers and Others Qualcomm Finland RFFE Oy discussion

R2-2105958 Further Issues on Sidelink Traffic Pattern for SL DRX Configuration Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_SL\_enh-Core

R2-2106056 On the deciding entity of SL DRX configuration Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_SL\_enh-Core R2-2103305

R2-2106073 Coordination between DL DRX and SL DRX Samsung Research America discussion

R2-2106074 SL DRX operation for groupcast/broadcast Samsung Research America discussion

R2-2106172 SL DRX enabled UE Mode 2 operation ITL discussion Rel-17

R2-2106204 Consideration on SL DRX operation LG Electronics Inc. discussion Rel-17

R2-2106363 SL DRX Granularity Considerations Convida Wireless discussion Rel-17

R2-2106364 SL DRX Configuration: TX Centric or RX Centric Convida Wireless discussion Rel-17

R2-2106438 On detailed SL DRX model MediaTek Inc. discussion Rel-17 NR\_SL\_enh-Core

R2-2106439 On SL DRX timer operation MediaTek Inc. discussion Rel-17 NR\_SL\_enh-Core

### 8.15.3 Resource allocation enhancements RAN2 scope

R2-2104868 Resource Allocation for eSL InterDigital discussion Rel-17 NR\_SL\_enh-Core

R2-2105079 Discussion on inter-UE coordination ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

R2-2105133 Discussion on resource allocation enhacenmens Apple discussion Rel-17 NR\_SL\_enh-Core

R2-2105353 Discussion on inter-UE coordination for sidelink mode2 vivo discussion

R2-2105402 Dual-mode Configuration and Selection for NR Sidelink Fujitsu discussion Rel-17 NR\_SL\_enh-Core R2-2103289

R2-2105467 Power efficient resource allocation and Inter-UE coordination LG Electronics France discussion NR\_SL\_enh-Core

R2-2105485 Resource allocation enhancement impact in RAN2 Xiaomi communications discussion

R2-2105499 Inter-UE Coordination for Sidelink Mode 2 Resource Allocation Fraunhofer IIS, Fraunhofer HHI discussion Rel-17

R2-2105508 Power Reduction for Sidelink Mode 2 Resource Allocation Fraunhofer IIS, Fraunhofer HHI discussion Rel-17

R2-2105538 Discussion on resource allocation enhancement for NR sidelink Spreadtrum Communications discussion Rel-17 NR\_SL\_enh-Core

R2-2105708 Discusison on Sidelink sensing Sony discussion Rel-17 NR\_SL\_enh-Core R2-2103617

R2-2105775 General principles for resource allocation enhacements for SL mode 2 Ericsson discussion Rel-17 NR\_SL\_enh-Core

R2-2105824 Discussion on sidelink resource allocation enhancements Lenovo, Motorola Mobility discussion Rel-17

R2-2106067 Resource Allocation Enhancements for Reduced Power Consumption and Enhanced Reliability Intel Corporation discussion Rel-17 NR\_SL\_enh-Core

R2-2106075 Resource allocation enhancements Samsung Research America discussion

R2-2106358 On Resource Allocation Mode 2 Enhancement for NR Sidelink Convida Wireless discussion Rel-17 R2-2103948

R2-2106440 Transmission of assistance information for Mode 2 enhancement MediaTek Inc. discussion Rel-17 NR\_SL\_enh-Core R2-2103578

### 8.15.4 Other

R2-2104753 Impacts of SL DRX on Other Procedures CATT discussion Rel-17 NR\_SL\_enh-Core

R2-2105494 Interaction between partial sensing and DRX Ericsson discussion Rel-17 NR\_SL\_enh-Core

R2-2106441 On SL sync search optimization MediaTek Inc. discussion Rel-17 NR\_SL\_enh-Core R2-2103579