**3GPP TSG RAN WG1 Meeting #110bis-e R1-22xxxxx**

**e-Meeting, October 10th – 19th, 2022**

**Agenda item:** 8.11

**Source:** Moderator (LG Electronics)

**Title:** Moderator summary for AI 8.11: Maintenance on NR sidelink enhancement

**Document for:** Discussion and decision

1. **Introduction**

The maintenance issues in contributions submitted to RAN1#110bis-e meeting are summarized in the tables of Section 2 and 3. An initial assessment on each issue is provided based on the following classification:

* ***High priority (H)****:* 
  + *High-priority item (essential, pending issues, broken spec components) and proposed editorial changes that either enhance the clarity of the specs or correct mistakes*
* ***Non-essential (N)****:* 
  + *All other purposes such as spec optimization and low priority issues*
* ***Editorial (E)****:* 
  + *Editorial issues that will be handled as editorial CRs (to be communicated to the editors/chairs)*

1. **Issues of Resource Allocation for Power Saving**

**Table 1 - Resource allocation for power saving**

|  |  |  |  |
| --- | --- | --- | --- |
| **Issue#** | **Issue** | **References** | **FL initial assessment** |
| 1-1 | **Clarification on the statement “unless stated otherwise in the specification” to avoid ambiguity**  In 38.214 section 8.1.4 for periodic and aperiodic CPS, discuss the conditions “unless … otherwise in the specification” and clarify the specification as necessary to avoid ambiguity.  Or  Remove the phrase ‘unless stated otherwise in the specification’ in the specification. | [1] [8] | N |
| 1-2 | **Update of Q formula in Step 6 for the 2nd most recent PSO**   * Per the latest FL Proposal 1-1 (V) from RAN1#109-e | [3] [10] [18] | H |
| 1-3 | **UE reports a full initialized candidate resource set (*SA*) when performing random resource selection** (only Step 1 and 4) | [19] | N |
| 1-4 | **Clarification on the provided set(s) of resources for re-evaluation and pre-emption checking when and *SA* reporting**  When higher layer triggers re-evaluation and pre-emption checking in partial sensing and provides resource set and , it is proposed to clarify / add the following sentences.  If , the set of resources and the set of resources are in the *q*th reservation period (*q*=0,1,2,…, Cresel-1).  …  The UE shall report set and the candidate slots of the initial resource selection if the UE performs partial sensing to higher layers. | [12] | N |
| 1-5 | **Allowed resource selection mechanisms in a resource pool**  Optionally, the indication of resource selection mechanism(s), as *sl*-*AllowedResourceSelectionConfig*, which may comprise of full sensing, partial sensing, random resource selection, or any combination(s) thereof, including allowing a single resource allocation mechanism. | [25] | N |
| 1-6 | **Clarification on the min number of Y and Y’ slots**  In the higher layer parameter section (before Step 1)  - Optionally, minimum number of *Y* slots as (*sl*-*MinNumCandidateSlotsPeriodic*), which indicates the minimum number of *Y* slots that are included in the candidate resources corresponding to periodic-based partial sensing operation for periodic transmissions. [5]  - Optionally, minimum number of *Y* slots as (*sl*-*MinNumCandidateSlotsPeriodic*), which indicates the minimum number of *Y* slots that are included in the candidate resources corresponding to periodic-based partial sensing for resource (re)selection triggered by periodic transmission. [7]  - Optionally, minimum number of *Y* slots as (*sl*-*MinNumCandidateSlotsPeriodic*), which indicates the minimum number of *Y* slots that are included in the candidate resources if Prsvp\_TX≠0. [9]  - Optionally, minimum number of *Y* slots as (*minNumCandidateSlotsPeriodic*), which indicates the minimum number of *Y* slots that are included in the resources corresponding to periodictransmission. [27]  - Optionally, minimum number of slots as (*sl*-*MinNumCandidateSlotsAperiodic*), which indicates the minimum number of slots that are included in the candidate resources corresponding to contiguous partial sensing operation for aperiodic transmissions. [5]  - Optionally, minimum number of slots as (*sl*-*MinNumCandidateSlotsAperiodic*), which indicates the minimum number of slots that are included in the candidate resources corresponding to periodic-based partial sensing and/or contiguous partial sensing for resource (re)selection triggered by aperiodic transmission. [7]  - Optionally, minimum number of slots as (*sl*-*MinNumCandidateSlotsAperiodic*), which indicates the minimum number of slots that are included in the candidate resources if Prsvp\_TX=0. [9]  - Optionally, minimum number of slots as (*sl*-*MinNumCandidateSlotsAperiodic*), which indicates the minimum number of slots that are included in the candidate resources corresponding to periodic-based partial sensing and/or contiguous partial sensing operation. [23]  - Optionally, minimum number of slots as (*minNumCandidateSlotsAperiodic*), which indicates the minimum number of slots that are included in the resources corresponding to aperiodic transmission. [27] | [5] [7] [9] [23] [27] | H |
| 1-7 | **Step 1), clarification on Y and Y’ candidate slots based on partial sensing and/or Prsvp\_TX**  In Step 1)   * The UE shall assume that any set of contiguous sub-channels included in the corresponding resource pool within the time interval correspond to one candidate single-slot resource for UE performing full sensing, in a set of *Y* candidate slots within the time interval for UE performing periodic-based partial sensing if , correspond to one candidate single-slot resource, or in a set of *Y'* candidate slots within the time interval for UE performing at least contiguous partial sensing if *P*rsvp\_TX*=0*, correspond to one candidate single-slot resource, where … [7] * The UE shall assume that any set of contiguous sub-channels included in the corresponding resource pool within the time interval correspond to one candidate single-slot resource for UE performing full sensing, in a set of *Y* candidate slots within the time interval if , correspond to one candidate single-slot resource, or in a set of *Y'* candidate slots within the time interval if *P*rsvp\_TX*=0*, correspond to one candidate single-slot resource, where … [9] * The UE shall assume that any set of contiguous sub-channels included in the corresponding resource pool within the time interval correspond to one candidate single-slot resource for UE performing full sensing, in a set of *Y* candidate slots within the time interval for UE performing periodic-based partial sensing correspond to one candidate single-slot resource if *P*rsvp\_TX*≠0*, or … [14] [5] * The UE shall assume that any set of contiguous sub-channels included in the corresponding resource pool within the time interval correspond to one candidate single-slot resource for UE performing full sensing, in a set of *Y* candidate slots within the time interval for UE performing ~~periodic-based~~ partial sensing correspond to one candidate single-slot resource for a resource (re)selection triggered by periodic transmission, or in a set of *Y'* candidate slots within the time interval for UE performing ~~contiguous~~ partial sensing ~~if~~ *~~P~~*~~rsvp\_TX~~*~~=0~~*, correspond to one candidate single-slot resource for a resource (re)selection triggered by aperiodic transmission, where … [23] * The UE shall assume that any set of contiguous sub-channels included in the corresponding resource pool within the time interval correspond to one candidate single-slot resource for UE performing full sensing, in a set of *Y* candidate slots within the time interval if correspond to one candidate single-slot resource, or in a set of *Y'* candidate slots within the time interval if *P*rsvp\_TX*=0*, correspond to one candidate single-slot resource, where … [27] * is selected by UE where . When the UE performs at least contiguous partial sensing and if , … [7] * is selected by UE where . If , … [9] [27] | [5] [7] [9] [14] [23] [27] | H |
| 1-8 | **Step 1), clarification on Y’ candidate slots not overlapping with sensing window**  In Step 1)   * The UE shall assume that any set of contiguous sub-channels included in the corresponding resource pool within the time interval correspond to one candidate single-slot resource for UE performing full sensing, in a set of *Y* candidate slots within the time interval for UE performing periodic-based partial sensing correspond to one candidate single-slot resource, or in a set of *Y'* candidate slots within the time interval that do not overlap with the sensing window for UE performing contiguous partial sensing if *P*rsvp\_TX*=0*, correspond to one candidate single-slot resource, where … | [26] | N |
| 1-9 | **Step 2), add CPS for the case of *sl-MultiReserveResource* is enabled and , remove a redundant sentence**  In Step 2)   * From [2]:   + For the case of *sl-MultiReserveResource* is enabled and , CPS description is additionally included for *Y’* candidate slots and the parameter *sl-CPS-WindowAperiodic* is used for the M value.   + For the case of *sl-MultiReserveResource* is disabled, it is clarified that is the first slot of the selected *Y’* candidate slots. Also form [4] [7] * From [4]:   + For the case of *sl-MultiReserveResource* is enabled and , reuse existing CPS behavior from the case of *sl-MultiReserveResource* is disabled and , since the behavior is the same in RAN1’s agreement for these two cases. Similar change from [7], [9] and [23] but they both use different modification methods.   + Move the condition “if ” to the beginning of the section in the description when UE performs both PBPS and CPS, since the whole section is for the case when . Also form [7] [9]   + Remove the following redundant sentence since it is not applicable for the case when . “” Also form [7] | [2] [4] [7] [9] [23] | H |
| 1-10 | **Step 2), correct CPS window in SL DRX inactive time**  In Step 2)   * CPS monitoring window in SL DRX inactive time:   + if UE performs contiguous partial sensing on the slots in SL DRX inactive time, UE monitors a minimum of slots from the slots. [8]   + if UE performs contiguous partial sensing on the slots in SL DRX inactive time, UE monitors at least *M* consecutive logical slots before and ending at slots earlier than , where is the first slot of the selected or candidate slots. The value of *M* is (pre-)configured with the *sl-CPS-WindowPeriodic* or *sl-CPS-WindowAperiodic* when or , respectively; otherwise, *M* equals 31. [11] | [8] [11] | H |
| 1-11 | **Miscellaneous corrections in Step 2)**  In Step 2)   * From [2]:   + For PBPS monitoring, change the index k for periodic sensing occasions to k’ to indicate the number of PSOs that the UE needs to monitor such that k’=1 if *sl-Additional-PBPS-Occasion* is not (pre-)configured and k’=2 if *sl-Additional-PBPS-Occasion* is (pre-)configured. * From [7]:   + Adding “The UE shall perform the behaviour in the following steps based on PSCCH decoded and RSRP measured in these slots.” * From [9]:   + Introduce a new term for PBPS and corresponding changes ( is a slot of the selected *Y’* candidate slots) for PBPS with selected *Y’* candidate slot for the case when . * From [15]:   + The value of corresponds to *sl-PBPS-OccasionReservePeriodList* if (pre-)configured, otherwise, the values correspond to all the non-zero periodicity from *sl-ResourceReservePeriodList.* * From [16]:   + When the UE performs periodic-based partial sensing, the UE shall monitor slots at , where is a slot of the selected candidate slots except for the other candidate slots when is smaller than and is converted to units of logical slot according to clause 8.1.7. | [2] [7] [9] [15] [16] | N |
| 1-12 | **Re-evaluation and pre-emption checking for periodic transmission**  In re-evaluation and pre-emption checking for periodic transmission (*Prsvp\_TX≠0*)   * …, where is the first candidate slot from slot *n+T3*. [6] [22] * The UE performs PBPS for the remaining *Y* candidate slots according to except for the slot(s) of a prior SCI transmitted by the UE indicating the resource in slot subject to pre-emption checking, where … [13] * The UE performs PBPS for the remaining *Y* candidate slots according to except for those in which its own transmissions occur, where … [20] | [6] [13] [20] [22] | H |
| 1-13 | **Re-evaluation and pre-emption checking for aperiodic transmission**  In re-evaluation and pre-emption checking for aperiodic transmission (*Prsvp\_TX=0*)   * …, where is the first candidate slot from slot *n+T3*. [6] [22] * Clarified that this case is for UE perform at least CPS, to have consistent spec description as the periodic transmission (*Prsvp\_TX≠0*) case. [6] * UE performs CPS starting from at least *M* consecutive logical slots earlier than to slots earlier than except for those in which its own transmissions occur [20] | [6] [20] [22] | H |
| 1-14 | **Miscellaneous corrections in re-evaluation and pre-emption checking for partial sensing**  In re-evaluation and pre-emption checking:   * For periodic transmission (*Prsvp\_TX≠0*):   + If the number of candidate single-slot resources *Y* is smaller than *Ymin*, it is up to UE implementation to include other candidate slots.   + The UE performs PBPS for the remaining *Y* candidate slots according to , whereis a slot belonging to the remaining *Y* candidate slots except for the additionally included candidate slots, and *k* and *Preserve* are the same as resource (re)selection, where … * For aperiodic transmission (*Prsvp\_TX=0*):   + If the number of candidate single-slot resources *Y’* is smaller than , it is up to UE implementation to include other candidate slots. [21]   + UE performs CPS starting from at least *M* consecutive logical slots earlier than to slots earlier than taking into consideration the associated processing times. [24] | [21] [24] | N |
| 1-15 | **Editorial corrections in Step 2)**  In Step 2)   * Whether the UE is required to performs SL reception of PSCCH and RSRP measurement for partial sensing on slots in SL DRX inactive time is enabled/disabled by higher layer parameter *sl-PartialSensingInactiveTime.* * For cases of and , the contiguous partial sensing window is defined by the range of slots . | [7] | E |
| 1-16 | **Editorial corrections in Step 6)**  In Step 6)   * Replace with  in two places | [7] | E |
| 1-17 | **Editorial corrections in re-evaluation and pre-emption checking**  In re-evaluation and pre-emption checking for periodic transmission (*Prsvp\_TX≠0*)   * By default, *M* is 31 unless (pre-)configured with another value, by *sl-CPS-WindowPeriodic*.   In re-evaluation and pre-emption checking for aperiodic transmission (*Prsvp\_TX=0*)   * For minimum size M of the contiguous partial sensing window | [2] [7] | E |

1. **Issues of Inter-UE Coordination for Mode 2 Enhancements**

**Table 2 - Inter-UE coordination for Mode 2 enhancements**

|  |  |  |  |
| --- | --- | --- | --- |
| **Issue#** | **Issue** | **References** | **FL initial assessment** |
| 2-1 | **[Scheme 2]** Further clarification on conditions for UE to be UE-B when at least one of UEs scheduling conflicting TBs does not set indicationUEB flag to 1 | [28], [35], [44], [52] | H |
| 2-2 | **[Scheme 1]** Deletion of the wording of "Note” in Section 8.1.4C of TS 38.214 | [29], [59] | E |
| 2-3 | **[Scheme 1]** Further clarification on missing field descriptions of SCI format 2-C | [30] | N |
| 2-4 | **[Scheme 2]** Further clarification on how to determine the priority of PSFCH TX when the resource conflict is determined based on Condition 2-A-2 | [31], [45] | H |
| 2-5 | **[Scheme 2]** Additional clarification for the corresponding PSSCH determined based on PSFCHOccasionScheme2 | [31] | N |
| 2-6 | **[Scheme 1]** Further clarification on IUC related transmission based on latency bound | [32] | N |
| 2-7 | **[Scheme 1**] Correction for missing functions of SCI format 2-C | [33], [50], [63] | E |
| 2-8 | **[Scheme 1**] Correction for field naming alignment for SCI format 2-C in TS 38.214 | [34], [63] | E |
| 2-9 | **[Scheme 2]** Correction for field naming alignment for SCI format 1-A in TS 38.213 | [35], [46], [49] | E |
| 2-10 | **[Scheme 2]** Further clarification on Condition 2-A-2 for Scheme 2 | [36], [46], [47] | H |
| 2-11 | **[Scheme 1/2]** Correction on misalignment for RRC parameters in TS 38.214 | [37], [43], [50], [55], [63] | E |
| 2-12 | **[Scheme 1/2]** Correction on misalignment for RRC parameters in TS 38.213 | [38], [42], [46], [49], [54] | E |
| 2-13 | **[Scheme 1/2]** Correction on misalignment for RRC parameters in TS 38.212 | [39], [48], [53], [62], [65] | E |
| 2-14 | **[Scheme 1]** Modification to UE-B’s behavior of excluding the non-preferred resource set from its candidate single-slot resources | [40], [41] | N |
| 2-15 | **[Scheme 1]** Further clarification on the use of preferred resource set for resource reselection due to pre-emption/re-evaluation and/or the indication of non-preferred resource set to physical layer for resource reselection due to pre-emption/re-evaluation | [47], [56] | H |
| 2-16 | **[Scheme 1]** Modification to Step 6) in Section 8.1.4 of TS 38.214 when UE-A determines the preferred resources set and the time gap from IUC transmission to the preferred resource is larger than () | [47] | N |
| 2-17 | **[Scheme 2]** Further clarification on the case of no HARQ-ACK information in Section 16.2.4.2 of TS 38.213 | [49] | E |
| 2-18 | **[Scheme 2]** Correction/clarification on description of valid PSFCH occasion for Scheme 2 in TS 38.213 | [51], [60] | N |
| 2-19 | **[Scheme 2]** Deletion of duplicated part on resource conflict detection between TS 38.213 (Section 16.3.0) and TS 38.214 (Section 8.1.4B). | [55], [63] | N |
| 2-20 | **[Scheme 1]** Further clarification on condition(s) under which Option B can be used for the received preferred resource set | [56] | N |
| 2-21 | **[Scheme 1]** Addition of procedure that allows UE-B to distinguish between non-preferred resources generated based on different conditions (i.e., Condition 1-B-1, Condition 1-B-2) | [57], [58] | N |
| 2-22 | **[Scheme 2]** Further clarification on priority definition for Tx and Rx of PSFCH with conflict information | [61] | N |
| 2-23 | **[Scheme 1]** Further clarification that UE-A is the destination UE of a TB transmitted by UE-B for the case when IUC information is triggered by an explicit request from UE-B and UE-A determines the set of non-preferred resources for UE-B | [64] | H |

1. **Other issues**

**Table 3 – Other issues**

|  |  |  |  |
| --- | --- | --- | --- |
| **Issue#** | **Issue** | **References** | **FL initial assessment** |
| 3-1 | Clarification on PDCCH repetition for SL DCI format 3-0 and/or 3-1 | [66], [67], [68] | H |
| 3-2 | Further clarification on which set of power control parameters is used by UE | [69], [70], [71] | H |
| 3-3 | Correction on SL timing | [72] | H |

1. **Conclusion**
   1. Resource allocation for power saving

For the issues of Resource allocation for power saving, the summary of inputs form 17 companies participating in the initial discussion of preparation phase is as follows:

|  |  |  |
| --- | --- | --- |
| **Issue#** | **FL initial assessment** | **Companies’ inputs** |
| 1-1 | N | * H : 2 * N : 11 * E : 2 |
| 1-2 | H | * H : 8 * N : 8 * E : |
| 1-3 | N | * H : 1 * N : 10 * E : |
| 1-4 | N | * H : 1 * N : 11 * E : |
| 1-5 | N | * H : 1 * N : 12 * E : 1 |
| 1-6 | H | * H : 14 * N : 1 * E : |
| 1-7 | H | * H : 11 * N : 1 (e.g., except for [7]) * E : |
| 1-8 | N | * H : 1 * N : 11 * E : |
| 1-9 | H | * H : 10 * N : 3 * E : |
| 1-10 | H | * H : 8 * N : 7 * E : |
| 1-11 | N | * H : 5 (e.g., for [15]) * N : 9 (e.g., for [15] * E : 2 (e.g., for [2][9], for [2][7][9][16]) |
| 1-12 | H | * H : 7 * N : 5 * E : 1 |
| 1-13 | H | * H : 6 * N : 6 * E : 1 |
| 1-14 | N | * H : 3 * N : 10 * E : |
| 1-15 | E | * H : * N : * E : 15 |
| 1-16 | E | * H : * N : * E : 15 |
| 1-17 | E | * H : * N : * E : 15 |

Based on the summary above, the following maintenance issues of Resource allocation for power saving are recommended to be addressed in this meeting.

* Recommendation of maintenance issues for “Resource allocation for power saving” to be addressed in RAN1#110bis-e meeting
  + [H] Issue 1-2
  + [H] Issue 1-6
  + [H] Issue 1-7
  + [H] Issue 1-9
  + [H] Issue 1-10
  + [H] Issue 1-12
  + [H] Issue 1-13
  + [E] Issue 1-15
  + [E] Issue 1-16
  + [E] Issue 1-17
  1. Inter-UE coordination for Mode 2 enhancements

For the issues of Inter-UE coordination for Mode 2 enhancements, the summary of inputs form 17 companies participating in the initial discussion of preparation phase is as follows:

|  |  |  |
| --- | --- | --- |
| **Issue#** | **FL initial assessment** | **Companies’ inputs** |
| 2-1 | H | * H : 10 * N : 6 * E : |
| 2-2 | E | * H : * N : 2 * E : 13 |
| 2-3 | N | * H : 1 * N : 13 * E : 1 |
| 2-4 | H | * H : 10 * N : 4 * E : 1 |
| 2-5 | N | * H : 1 * N : 14 * E : |
| 2-6 | N | * H : 4 * N : 10 * E : |
| 2-7 | E | * H : * N : * E : 15 |
| 2-8 | E | * H : * N : * E : 16 |
| 2-9 | E | * H : * N : 1 * E : 15 |
| 2-10 | H | * H : 11 * N : 3 * E : |
| 2-11 | E | * H : * N : 1 * E : 15 |
| 2-12 | E | * H : * N : 1 * E : 15 |
| 2-13 | E | * H : * N : 1 * E : 15 |
| 2-14 | N | * H : 3 * N : 10 * E : |
| 2-15 | H | * H : 10 * N : 3 * E : |
| 2-16 | N | * H : 2 * N : 9 * E : 2 |
| 2-17 | E | * H : * N : 1 * E : 14 |
| 2-18 | N | * H : 4 * N : 10 * E : |
| 2-19 | N | * H : * N : 10 * E : 5 |
| 2-20 | N | * H : 1 * N : 14 * E : |
| 2-21 | N | * H : 1 * N : 14 * E : |
| 2-22 | N | * H : * N : 15 * E : |
| 2-23 | H | * H : 5 * N : 9 * E : |

Based on the summary above, the following maintenance issues of Inter-UE coordination for Mode 2 enhancements are recommended to be addressed in this meeting.

* Recommendation of maintenance issues for “Inter-UE coordination for Mode 2 enhancements” to be addressed in RAN1#110bis-e meeting
  + Scheme 1
    - [H] Issue 2-15
    - [E] Issue 2-2
    - [E] Issue 2-7
    - [E] Issue 2-8
  + Scheme 2
    - [H] Issue 2-1
    - [H] Issue 2-4
    - [H] Issue 2-10
    - [E] Issue 2-9
    - [E] Issue 2-17
  + Scheme 1/2
    - [E] Issue 2-11
    - [E] Issue 2-12
    - [E] Issue 2-13
  1. Others

For the other issues, the summary of inputs form 17 companies participating in the initial discussion of preparation phase is as follows:

|  |  |  |
| --- | --- | --- |
| **Issue#** | **FL initial assessment** | **Companies’ inputs** |
| 3-1 | H | * H : 15 * N : * E : |
| 3-2 | H | * H : 13 * N : 1 * E : |
| 3-3 | H | * H : 11 * N : * E : |

Based on the summary above, the following other maintenance issues are recommended to be addressed in this meeting. In case of Issue 3-2, since RAN2 is currently discussing the field description of the relevant OLPC parameter in TS 38.331, it would be desirable to address this issue at the next RAN1 meeting.

* Recommendation of “Other” maintenance issues to be addressed in RAN1#110bis-e meeting
  + [H] Issue 3-1
  + [H] Issue 3-3

1. **References**
   1. Resource allocation for power saving
2. [R1-2208386](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2208386.zip) Discussion on resolving ambiguous text in 38.214 FUTUREWEI
3. [R1-2208610](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2208610.zip) Corrections for partial sensing resource selection vivo
4. [R1-2208816](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2208816.zip) Draft CR on Q formula in step 6c for periodic-based partial sensing OPPO
5. [R1-2208817](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2208817.zip) Draft CR on CPS sensing window OPPO
6. [R1-2208818](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2208818.zip) Draft CR on the description of candidate slots for partial sensing OPPO
7. [R1-2208819](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2208819.zip) Draft CR on starting slot and pre-condition in re-evaluation and pre-emption checking for partial sensing OPPO
8. [R1-2208919](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2208919.zip) Correction on the operations of partial sensing CATT, GOHIGH
9. [R1-2208922](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2208922.zip) Discussion on remaining issues for R17 eSL power saving RA maintenance CATT, GOHIGH
10. [R1-2209309](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209309.zip) Corrections on the selection of Y or Y’ candidate slots for partial sensing CMCC
11. [R1-2209562](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209562.zip) Correction on Q formula for the second most recent periodic sensing occasion Apple
12. [R1-2209563](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209563.zip) Correction on CPS monitoring length during sidelink DRX inactive time Apple
13. [R1-2209676](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209676.zip) Clarification on pre-emption and re-evaluation for periodic transmission in partial sensing Sharp
14. [R1-2209677](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209677.zip) Clarification on monitoring slots for pre-emption check due to half-duplex constraint in partial sensing Sharp
15. [R1-2209678](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209678.zip) Correction on candidate slots selection for partial sensing Sharp
16. [R1-2209680](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209680.zip) Clarification on Preserve for periodic based partial sensing Sharp
17. [R1-2209681](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209681.zip) Clarification on candidate slots for aperiodic transmission in partial sensing Sharp
18. [R1-2209683](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209683.zip) Remaining issues on NR sidelink enhancement Sharp
19. [R1-2209827](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209827.zip) Correction on Q formula in step 6 of sensing and resource exclusion procedure in TS 38.214 Huawei, HiSilicon
20. [R1-2209828](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209828.zip) Correction on description of random resource selection in TS 38.214 Huawei, HiSilicon
21. [R1-2209874](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209874.zip) Draft CR on half-duplex consideration for SL re-evaluation/pre-emption check NTT DOCOMO, INC.
22. [R1-2209875](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209875.zip) Draft CR on insufficient candidate resources for SL re-evaluation/pre-emption check NTT DOCOMO, INC.
23. [R1-2209876](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209876.zip) Draft CR on slot n+T3 excluded from SL re-evaluation/pre-emption check NTT DOCOMO, INC.
24. [R1-2209877](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2209877.zip) Draft CR on Y/Y’ candidate slots for SL partial sensing NTT DOCOMO, INC.
25. [R1-2210125](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2210125.zip) [Draft] Consideration of associated processing times for contiguous partial sensing Ericsson
26. [R1-2210126](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2210126.zip) [Draft] Correction to allowed resource selection mechanisms in a resource pool in mode 2 Ericsson
27. [R1-2210127](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2210127.zip) [Draft] Correction to contiguous partial sensing window Ericsson
28. [R1-2210154](file:///C:\3GPP\RAN1_Meetings\Tdocs\2022\R1-2210154.zip) Draft CR on corrections for the description of candidate slots in TS38.214 Lenovo
    1. Inter-UE coordination for Mode 2 enhancements
29. R1-2208385 Discussion on correction for inter-UE coordination Scheme 2 determination of UE-B FUTUREWEI
30. R1-2208386 Discussion on resolving ambiguous text in 38.214 FUTUREWEI
31. R1-2208609 Clarification on missing field descriptions of SCI 2-C vivo
32. R1-2208611 Clarification for inter-UE coordination scheme-2 vivo
33. R1-2208612 Clarification on IUC related transmission based on latency bound vivo
34. R1-2208613 Corrections for missing functions of SCI 2-c vivo
35. R1-2208716 Field naming alignment for SCI format 2-C in TS38.214 ZTE, Sanechips
36. R1-2208717 Clarification on Condition 2-A-1 for scheme 2 ZTE, Sanechips
37. R1-2208718 Clarification on Condition 2-A-2 for scheme 2 ZTE, Sanechips
38. R1-2208719 Corrections on misalignment for RRC parameters in TS 38.214 ZTE, Sanechips
39. R1-2208720 Corrections on misalignment for RRC parameters in TS 38.213 ZTE, Sanechips
40. R1-2208721 Corrections on misalignment for RRC parameters in TS 38.212 ZTE, Sanechips
41. R1-2208920 Correction on resource exclusion behavior with non-preferred resource set CATT, GOHIGH
42. R1-2208921 Discussion on resource exclusion behavior with non-preferred resource set CATT, GOHIGH
43. R1-2209135 Draft CR on RRC parameter name and value misalignment in TS 38.213 NEC
44. R1-2209136 Draft CR on RRC parameter name and value misalignment in TS 38.214 NEC
45. R1-2209564 Correction on determining UE-B among UEs scheduling conflicting TBs Apple
46. R1-2209565 Correction on priority value of PSFCH transmission with conflict information for condition 2-A-2 Apple
47. R1-2209682 Correction on handling of conflict information receiver flag Sharp
48. R1-2209683 Remaining issues on NR sidelink enhancement Sharp
49. R1-2209798 Draft CR on Inter-UE coordination in TS 38.212 ASUSTeK
50. R1-2209799 Draft CR on Inter-UE coordination in TS 38.213 ASUSTeK
51. R1-2209801 Draft CR on Inter-UE coordination in TS 38.214 ASUSTeK
52. R1-2209830 Correction on description of valid PSFCH occasion for scheme 2 in TS 38.213 Huawei, HiSilicon
53. R1-2209873 Draft CR on condition to be UE-A for SL IUC scheme 2 NTT DOCOMO, INC.
54. R1-2209878 Editorial corrections for SL IUC (38.212) NTT DOCOMO, INC.
55. R1-2209879 Editorial corrections for SL IUC (38.213) NTT DOCOMO, INC.
56. R1-2209880 Editorial corrections for SL IUC (38.214) NTT DOCOMO, INC.
57. R1-2209881 Discussion on RAN2-related topics for SL maintenance NTT DOCOMO, INC.
58. R1-2209950 Draft CR on Non-preferred Resources Qualcomm Incorporated
59. R1-2209952 Discussion on Corrections to NR Sidelink Qualcomm Incorporated
60. R1-2210060 Draft CR on the Notes in section 8.1.4C of 38.214 Nokia, Nokia Shanghai Bell
61. R1-2210124 [Draft] Clarification on valid PSFCH occassions for resource conflict information Ericsson
62. R1-2210128 [Draft] Correction to priority definition for Tx and Rx of PSFCH with conflict information Ericsson
63. R1-2210184 Corrections for SL Inter-UE coordination Nokia, Nokia Shanghai Bell
64. R1-2210185 Corrections for SL Inter-UE coordination Nokia, Nokia Shanghai Bell
65. R1-2210203 Correction on UE-A is the destination UE of a TB transmitted by UE-B in TS 38.214 Huawei, HiSilicon
66. R1-2210204 Correction on RRC parameter names and values used for SCI format 1-A and 2-C in TS 38.212 Huawei, HiSilicon
    1. Other issues
67. R1-2208614 Discussion on PDCCH repetition for sidelink vivo
68. R1-2208615 Clarification on PDCCH repetition for sidelink-38.213 vivo
69. R1-2208616 Clarification on PDCCH repetition for sidelink-38.214 vivo
70. R1-2209953 Draft CR on Power Control Parameters Qualcomm Incorporated
71. R1-2210130 [Draft] Modifications on SL open loop power control formulae Ericsson
72. R1-2209829 Correction on power control for PSCCH/PSSCH/PSFCH/S-SSB in TS 38.213 Huawei, HiSilicon
73. R1-2210039 Correction on SL timing Nokia, Nokia Shanghai Bell