**3GPP TSG-RAN WG2 Meeting #126 R2-240xxxx**

**Fukuoka, Japan, 20th – 24th May 2024**

**Agenda Item: x.x.x**

**Source: Ericsson**

**Title: Discussion on RILs conclusion mobility**

**Document for: Discussion, Decision**

1 Introduction

In this contribution, a list of RILs for the Mobility work item with relating conclusion and comment is provided.

# 2 Discussion

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| **ID** | **Delegate** | **Work Item** | **Class** | **Propose Conclusion** | **Comment to Proposed Conclusion** | **RIL source leader (who should provide the tdoc)** | **Description** | **Proposed Change** | **Comments**  **(Example 🡪 [Ericsson-Tony] bla bla)** |
| Z044 | ZTE (LiuJing) | Mob | 1 | Handled in EMR email discussion outcome | [Ericsson-Tony] There are multiple RILs impacting this objective and it would be good to discuss all of those together. |  | If X timer is configured, the UE should only include idleMeasAvailable if there is valid measurement results that fulfil the validity check of X timer. Otherwise, the network may trigger RRC procedure to ask UE to provide measurement results, but in the end, nothing can be reported by the UE. | Update the text procedure to capture the case that X timer is configured and there is valid measurement results after validity check. See details in R2-2402746. |  |
| X121 | Xiaomi (Yi) | Mob | 1 | Handled in EMR email discussion outcome |  |  | In current procedure, for the IMR available report, only when the UE has valid NR reselection measurements, the UE shall report reselectionMeasAvailable, which does not capture the case when measReselectionValidityDuration is not configured. Furthermore, whether the measurement result is valid or not is unrelated to the report of reselectionMeasAvailable. It is an available indication. Hence “valid” shall be removed in the procedure text to align with the EMR available report. | Suggest to remove “valid” |  |
| M020 | MediaTek (Li-Chuan Tseng) | Mob | 1 | PropAgree | [Ericsson-Tony] In the last meeting we decided to not have the UE variable anymore and the text in the note needs to be update to reflect this. |  | The problem with the text is that clauses 5.3.5.18.6 or 5.3.5.13.8 do not specify that the UE generates and stores RRCReconfiguration message. They only specify that in some case (when reference configuration is used), the UE implementation may generate and store a message. Instead, when these clauses refer to 5.3.5, they use term "UE applies" RRCReconfiguration message. Another problem is that all occurrences of "received" are not before message name. For example, clause 5.3.5.3 has text like this "if the RRCReconfiguration message was received..." | When a clause of 5.3.5 is executed due to an LTM cell switch execution (i.e., as specified in 5.3.5.18.6) or due to a conditional reconfiguration execution for subsequent CPAC (i.e., as specified in 5.3.5.13.8), every appearance of "the received" before RRCReconfiguration, before a field name, or before an IE name, refers to the RRCReconfiguration, to the field name, or to the IE, respectively, that the UE applies was generated and stored by the UE as specified in 5.3.5.18.6 or 5.3.5.13.8. |  |
| E232 | Ericsson (Tony) | Mob | 1 | PropAgree |  |  | In RAN2#124 it was agreed that "Confirm that UE may receive mrdc-SecondaryCellGroupConfig set as release even when there is no SCG, for a subsequent LTM and it is not considered as an error." We propose to capture this in a note that it is sure that UE will not trigger any RRC re-establishment procedure. | "Add a note as following: NOTE: | If the UE receives an mrdc-SecondaryCellGroupConfig set to release even if no SCG is configured, the UE does not consider this as an invalid configuration." |
| Z061 | ZTE (Mengjie) | Mob | 1 | PropReject |  |  | It’s unclear what is included in the selectedPSCellForCHO-WithSCG for the first half sentence. Since it said “set it to …” in the second half sentence, “in the” can be removed. | Remove “in the”. |  |
| G125 | Google (Eric) | Mob | 1 | PropReject | [Ericsson-Tony] When there is a MCG RLF the transmissions over the MCG are suspended. Therefore, if there is a LTM on the SCG and there is no SRB3, the complete message over the SRB1 cannot be transmitted and this will result in a RRC re-establishment. I guess current procedure already handle this and nothing new is needed. This is not really related to LTM but is also a normal DC operation. |  | The LTM cell switch for SCG may be tiggerred during fast MCG recevoery procedure. Under this situation, the UE is unable to transmit ULInformationTransferMRDC via MCG and the UE behaviour is unclear. | Clarify the detail UE behaviours. We will provide a tdoc to address this issue. |  |
| S792 | Samsung (Aby) | Mob | 1 | PropReject | [Ericsson-Tony] It seems that current spec already covers the case mentioned by Samsung. No change is needed to current TP. |  | UE may not have a SRB3 configuration for Subsequent CPAC or LTM here if it is not present in candidate configuration or reference configuration, so RAN2 needs to discuss whether there is any need to map the ReconfigurationComplete on the same SRB as the one sending RRCReconfiguration for subsequent CPAC and LTM. [Proposed Change]: If companies still think that complete needs to be send on same SRB on which configuration is send, =>it needs to be discussed the RRCReconfiguration refers to the one that is adding Subsequent CPAC (or LTM) configuration, adding reference configuration, message that has last modified subsequent CPAC (or LTM) configuration, message that has last modified reference configuration. =>Either UE may be allowed to send RRCReconfigurationComplete over SRB1 or there needs to have a restriction at network from configuring the UE without SRB3 when the RRCReconfiguration is send over SRB1 | If companies still think that complete needs to be send on same SRB on which configuration is send, =>it needs to be discussed the RRCReconfiguration refers to the one that is adding Subsequent CPAC (or LTM) configuration, adding reference configuration, message that has last modified subsequent CPAC (or LTM) configuration, message that has last modified reference configuration. =>Either UE may be allowed to send RRCReconfigurationComplete over SRB1 or there needs to have a restriction at network from configuring the UE without SRB3 when the RRCReconfiguration is send over SRB1 |  |
| E202 | Ericsson (Cecilia) | Mob | 1 | PropAgree | [Ericsson-Tony] I guess the procedure should not be applied when both the SCG and MCG are updated but also when one of them is. |  | The "and" means that execution of an SCG (i.e. SN generated) subsequent CPAC configuration could trigger updates of both SCG and MCG subsequent CPAC configurations. Should it not be only the entries in the condReconfigList for the MCG or the SCG VarConditionalReconfig that are to be handled here, i.e. if the RRCReconfiguration message that is applied (in bullet level 2 above) is in the MCG VarConditionalReconfig, then only the entries in the MCG VarConditionalReconfig should be handled and vice versa. | Change the "and" to "or". | This may not be a problem now that there is only subsequent CPAC, but if other subsequent mechanisms are added for the MCG, there will be an issue |
| C128 | CATT (Rui) | Mob | 1 | PropAgree | [Ericsson-Tony] Ok, since at least CATT and MTK believe that this change is needed, I can do it in my RRC CR. I think that the "SCG configuration" refers typically to the CellGroupConfig of the SCG and thus this may mislead the UE to not release the LTM-Config. |  | In the current spec, the SCG LTM configuration is not released upon SCG release.It does not make sense to keep the SCG LTM configuration when SCG has already been released | the SCG LTM configuration is released upon SCG release.we will submit a tdoc to address it |  |
| O204 | OPPO (Xue) | Mob | 1 | Duplicate | [Ericsson-Tony] See E219 |  | Upon SCG release, the servingSecurityCellSetId stored in VarServingSecurityCellSetID shoud also be removed, which is absent in current sepcificiation. | Remove the servingSecurityCellSetId stored in VarServingSecurityCellSetID upon SCG release. |  |
| E219 | Ericsson (Cecilia) | Mob | 1 | PropAgree | [Ericsson-Tony] If the SCG configuration is released, it does not make sense to keep the SCG-related UE variables. Ideally, this change would not be needed because the UE should release already such configuration by itself, but for consistency on what is already in the spec for CHO would be good to have such change. |  | The VarServingSecurityCellSetId needs to be deleted when the SCG is released, otherwise, there is problem if the SCG is released and if there later is a subsequent CPA in the same SCG. It is not possible to signal any release in the message when the SCG is released, so the variable cannot be released by signaling. | Add the text "remove the servingSecurityCellSetId within the VarServingSecurityCellSetID, if any ". . |  |
| M023 | MediaTek (Li-Chuan Tseng) | Mob | 1 | Duplicate | [Ericsson-Tony] See C128 |  | The UE should perform LTM configuration release procedure for SCG when the UE releases the secondary cell group, because according to clause 5.3.5.2 the UE can have LTM configuration for SCG only when at least one RLC bearer is configured for SCG. 5.3.5.2: ... the ltm-Config for LTM on the SCG is included only when at least one RLC bearer is setup in SCG | After highlight text, add the following: “ 3> perform the LTM configuration release procedure for the SCG as specified in clause 5.3.5.18.7;” |  |
| X131 | Xiaomi (Yumin) | Mob | 1 | PropReject | [Ericsson - Tony] I guess this is the UE behaviour even for normal L3 handover and thus there is no need to clarify this. |  | "In section “5.3.5.5.2 | Reconfiguration with sync”, it is clarified via NOTE 2 that the UE is required to read the MIB of the target cell if the timing information is needed for random access. Early RACH procedure introduced for LTM may require the UE to read the MIB of the candidate cell before LTM. However the early RACH procedure for LTM is not performed under the procedure of “5.3.5.5.2 | Reconfiguration with sync”. A NOTE in Section “”5.3.5.5.1 General” can be added to clarify that the early RACH procedure may require the UE to read the MIB of the candidate cell if the timing information of SFN is required." |
| E233 | Ericsson (Tony) | Mob | 1 | PropAgree | [Ericsson-Tony] It may be possible that UE is already DL synchronized, so there is no need to re-sync again. |  | The UE when executing this section may be already DL synchronized with the target cell in case of an LTM cell switch. For this reason, the UE should start to DL synchronize only if the synchronization for the target cell is not acquired yet. This need to be clarified. | "Do the following change: 2> | start synchronising to the DL of the target SpCell, if no DL synchronization for the target SpCell has been already acquired;" |
| E203 | Ericsson (Cecilia) | Mob | 1 | PropReject (ToDisc next meeting) | [Ericsson-Tony] Once the UE does the compliance check once, it is questionable whether the UE will do again the compliance check for the same CPAC configuration. My understanding is that this does not happen. Also, if there are information that UE would need to decode and apply right when the configuration is received e.g., the sk-counter list, then is better to clarify this explicitly. E.g., with a note in this section or somewhere else. |  | For subsequent CPAC, the UE may need to do compliance check multiple times due to that the same subsequent CPAC configuration (RRCReconfiguration message) can be executed multiple times and there is then a need for a new sk-counter at each inter-SN execution. [Proposed Change]: Add the text "For an RRCReconfiguration received as part of a subsequent CPAC configuration, the UE however needs to perform a compliance check before each execution that includes a security key change (taking the availability of an sk-counter into account)." | Add the text "For an RRCReconfiguration received as part of a subsequent CPAC configuration, the UE however needs to perform a compliance check before each execution that includes a security key change (taking the availability of an sk-counter into account)." |  |
| E204 | Ericsson (Cecilia) | Mob | 1 | PropAgree |  |  | The "and" shouldn't be here as there is no more action on level 3. [Proposed Change]: Remove the "and". | Remove the "and". |  |
| C146 | CATT (Rui) | Mob | 1 | PropAgree | [Ericsson-Tony] It seems that there is no solution explianed for the problem. |  | the text is intended to capture the following agreement, but it is not correct. It “the PSCell” here it the current serving PSCell due to a legacy PScell change.the candidate PSCell for the condReconfigId should not be the applicable cell,as there is no subsequent execution condition for it. UE stops evaluating cand cell for which execution condition is not provided (but configurations are kept) |  |  |
| N91 | Nokia | Mob | 1 | Duplicate | [Ericsson-Tony] See C146, please coordinate with them |  | The condReconfigToAddMod need not be used in the text as all the steps are for given condReconfigID.. And any field reference can use this itself. Second bullet is not needed. Is it possible to have this variable with only one entry with subsequentConfig. The reference to subsequentCondReconfig is meant for the configuration not for the PSCell referred in 3>. To avoid this confusion these bullets can be rewritten with reference to the configID of current serving cell. We propose TP for consideration in our contributio |  |  |
| C144 | CATT (Rui) | Mob | 1 | PropAgree | [Ericsson-Tony] It should be up to the network to guarantee that the execution conditions at the UE are always valid. Thus I don't think this UE action is needed. In this way we force the network to provide new execution conditions at every PSCell change and thus there is no "subsequent" CPAC. |  | in some cases(e.g.,after legacy PSCell change/CPC execution), the stored condExecutionCondSCG can be invalid.so these is a problem that UE may use a invalid execution condition. | To ensure the stored condExecutionCondSCG is valid, UE removes the stored condExecutionCondSCG when UE performs reconfiguration with sync for SCG or SCG release.we will address it in our tdoc. |  |
| N92 | Nokia | Mob | 1 | PropReject | [Ericsson-Tony] The scenario assumed in this RIL is not valid as when the SCG is released, also VarConditionalReconfig for the SCG is released. Check clause 5.3.5.4 |  | Scenario : After SCG release the UE can maintain varConditionalReconfig.. But only with the entries taken from the subsequentConfig of released SCG. If the subsequentReconfig is also maintained in the variable , after CPA to one of the serving cell UE may still have the subsequent-config for the added cell. There may be attempt to evaluate the conditions. So it is better to clean-up the subsequentCondReconfig in all entries on SCG release and only maintain the variable for CPA executio |  |  |
| N93 | Nokia | Mob |  | PropReject | [Ericsson-Tony] There is no solution to the proposed RIL. |  | subsequent CPAC still can be based on MCG measurement ID.. This is applicable only if both conditions are configured. This check is missing in 2 |  |  |
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| C147 | CATT (Rui) | Mob | 1 | PropAgree | [Ericsson-Tony] If there is the application of the default MAC configuration then it safe to do a MAC reset. I see no problem is current procedure. |  | MCG MAC reset should not be performed upon S-CPAC execution if the MCG MAC is reset upon S-CPAC execution, the network does not know the MAC reset is performed by UE, so it will not perform MAC reset, this may cause the misalign for MAC states between UE side and network side, which may cause the RRCReconfigurationComplete message cannot be received successfully by network | Remove the “2> reset MCG MAC” | Huawei: is it possible to apply default MAC cell group configuration but not reset MCG MAC? The MN will only know upon receiving the complete message, but perhaps it can work this way? |
| H083 | Huawei (David) | Mob | 1 | PropAgree |  |  | Default L1 parameter values should also be applied. | Add "apply the default L1 parameter value for the MCG and for the SCG, as specified in corresponding physical layer specifications except for the parameters for which values are provided in SIB1." |  |
| E206 | Ericsson (Cecilia) | Mob | 1 | PropReject (ToDisc next meeting) | [Ericsson-Tony] The proposed change is not enterely correct as timer T311 applies only to the MCG but not the SCG, whereas T310 may apply to both. Maybe okay to leave the procedure as it it? Also, my understanding is that this is for the MCG? |  | It is not clear if the default values of the MCG and/or the SCG should be used. As both the MCG and the SCG are reconfigured, the default values of both cell groups need to be taken into account. [Proposed Change]: Add "for both the MCG and the SCG" at the end of the sentence. | Add "for both the MCG and the SCG" at the end of the sentence. |  |
| E207 | Ericsson (Cecilia) | Mob | 1 | PropReject (ToDisc next meeting) | [Ericsson-Tony] The proposed change is not enterely correct as timer T311 applies only to the MCG but not the SCG, whereas T310 may apply to both. I think is better to leave the text as it it. |  | It is a bit strange to say "for the cell group for which the execution was triggered" when the else case is only about the SCG. [Proposed Change]: Change "cell group for which the subsequent CPAC execution procedure is triggered" to "SCG". | Change "cell group for which the subsequent CPAC execution procedure is triggered" to "SCG". |  |
| H087 | Huawei (David) | Mob | 1 | PropAgree | [Ericsson-Tony] It may be possible for the network to change the security key also for an intra-SN CPAC. So maybe is okay to keep this text? |  | According to the field description in ConditionalReconfiguration, the network always includes servingSecurityCellSetId when it configures inter-SN SCPAC, so this condition can only be true if only intra-SN SCPAC is configured, in which case there is no reason to change the SN key. | Remove this bullet. |  |
| H114 | Huawei (David) | Mob | 1 | PropAgree | [Ericsson-Tony] As explained in the RIL, network can use the legacy flag to trigger such procedures. There is no need to hardcode them in the spec. |  | The network can include discardOnPDCP and reestablishRLC for SRB3 in the RRC message, so we see no reason to introduce this text. This is also how it is done for SRBs for LTM. | Remove the 2> and sub-bullets. |  |
| O203 | OPPO (Xue) | Mob | 1 | Duplicate | [Ericsson-Tony] Please check H114 |  | In current spec, the PDCP SDU discard for SRB3 is performed after UE applies the target cell configuration. As specified section 5.3.5.3, the RRCReconfigurationComplete message to be sent to the target cell is generated during the application of the target cell configuration. Thus current execution order will lead to the discard of the SDU corresponding to the RRCReconfigurationComplete message before it is successfully transmitted. | Add a NOTE in section 5.3.5.13.8 as follows: Note: It is up to the UE implementation to guarantee that the PDCP SDU discard for SRB3 is performed after applying the stored condRRCReconfig of the selected cell(s) but before generating and sending the RRCReconfigurationComplete message. |  |
| H084 | Huawei (David) | Mob | 1 | PropAgree | [Ericsson-Tony] I guess the scenario of change of termination point should be discussed, if this has not be done already |  | this is about the "RadioBearerConfig that is part of the UE configuration", so this is not what the author thinks it does. In addition, keyToUse is not part of the AS security config, it is part of the RB configuration, so it was released and it is unclear what "different keyToUse" means. | Discuss whether we need to support termination point change at SCPAC execution. If so, some more work is needed. |  |
| H085 | Huawei (David) | Mob | 1 | PropReject | [Ericsson-Tony] My understanding if that current procedure it works, even is there is some repetition. Maybe there is no need to have fixses for something that is not broken. |  | Duplication of existing procedures (DRB handling here) is not good. | Consider alternative solutions, e.g. set/remove reestablishPDCP for DRBs in the reference and in the target configuration, since these are UE variables, they can be modified, and then when 5.3.5.3 is applied, the existing procedures are sufficient. |  |
| E208 | Ericsson (Cecilia) | Mob | 1 | PropReject (ToDisc next meeting) | [Ericsson-Tony] From the ASN.1 signalling, is possible to have only 1 SRB3. There should be no problems with such procedure. |  | The text sounds like there can be multiple SRB3 bearers. [Proposed Change]: Insert a line break after "and", so that the test "if the radio bearer is SRB3…" is in a separate clause. | Insert a line break after "and", so that the test "if the radio bearer is SRB3…" is in a separate clause. |  |
| E234 | Ericsson (Tony) | Mob | 1 | PropAgree |  |  | Suggest to add “included” in order to align also with the existing text in other sections | "Do the following change: 1> | for each ltm-CandidateId value included in the ltm-CandidateToAddModList:" |
| B120 | Lenovo(Lianhai) | NR\_Mob\_enh2-Core | 1 | PropReject | [Ericsson-Tony] My assumption is that this will be up to the UE implementation what to do. Or anyway the UE executes what it comes first. |  | In RAN2#125, RAN2 agreed that simultaneous configuration for CHO and SCG LTM is supported. But RAN2 does not discuss whether simultaneous execution of CHO and SCG LTM is supported or not. If not supported, RAN2 needs to further discuss how to avoid simultaneous execution of CHO and SCG LTM. Regarding the first case that CHO execution is triggered first, it is up to RAN3 to discuss how to avoid SCG LTM execution after CHO execution is triggered already. Regarding the second case that SCG LTM is triggered first, UE does not autonomously remove the CHO configuration if CPA, CPC or subsequent CPAC was not configured. In the second case i.e. after SCG LTM is triggered first, UE stops evaluating CHO condition. And UE resumes evaluating CHO condition when UE completes SCG LTM. | RAN2 needs to discuss whether simultaneous execution of CHO and SCG LTM is supported or not. If not, RAN2 can further discuss the following proposal. Proposal: In the case of simultaneous configuration of CHO and SCG LTM, after a PSCell change is triggered by SCG LTM, UE stops evaluating CHO condition. And UE resumes evaluating CHO condition once UE completes SCG LTM. |  |
| B121 | Lenovo(Lianhai) | NR\_Mob\_enh2-Core | 1 | PropReject | [Ericsson-Tony] My assumption is that this will be up to the UE implementation what to do. Or anyway the UE executes what it comes first. |  | In RAN2#125, RAN2 agreed that simultaneous configuration for MCG LTM and (S)CPAC is supported. But RAN2 does not discuss whether simultaneous execution of MCG LTM and (S)CPAC is supported or not. If simultaneous execution of MCG LTM and CPAC/SCPAC is not supported, RAN2 needs to further discuss how to avoid it. Regarding the first case that CPAC/SCPAC execution is triggered first. It can be up to RAN3 to discuss how to avoid triggering MCG LTM after UE is triggered to execute CPAC/SCPAC already. Regarding the second case that MCG LTM execution is triggered first, after MCG LTM cell switch execution, the UE shall keep subsequent CPAC. Therefore, after MCG LTM cell switch execution is triggered, UE can stop evaluating SCPAC condition. After UE completes MCG LTM, UE can resume evaluating SCPAC. | RAN2 needs to discuss whether simultaneous execution of MCG LTM and (S)CPAC is supported or not. If not, RAN2 can further discuss the following proposal. Proposal: In the case of simultaneous configuration of MCG LTM and CPAC/SCPAC, after MCG LTM cell switch execution is triggered, UE can stop evaluating SCPAC condition. Then, UE can resume evaluating SCPAC after UE completes MCG LTM. |  |
| E236 | Ericsson (Tony) | Mob | 1 | PropReject | [Ericsson-Tony] I think that "release all current radio configuration associated with the cell group.." may include also the RadioBearerConfig. Maybe a solution would be to include a note by explicitly saying that RadioBearerConfig is not included in the action (something similar to what we have in the fullConfig procedure). This will make up keep the current text. |  | The UE first execute the actions related to the SRB and DRBs, but later on in the procedure the UE release all the current dedicated configurations and thus whatever has been done for the SRBs and DRBs because meaningless, since those will be release (which is not the intention). We should include this text within the exception of releasing the dedicated configurations. | Include the actions related to the SRBs and DRBs within the exceptions on what the UE releases the dedicated configuration or clarify the actions related to SRBs and DRBs are not within “release/clear all current dedicated ration configurations”. | Huawei v14: Disagree, the following text does not release anything for SRBs or DRBs because they are neither "associated with the MCG" nor "associated with the SCG" |
| E235 | Ericsson (Tony) | Mob | 1 | PropReject | [Ericsson-Tony] I don't think the SCG LTM is broken as later on in the procedure the UE will apply the default configuration for SRB1 and all other SRB for which the UE has an SRB identity. Therefore, I see no problem or? |  | A DRB using the primary or secondary key can also be mapped to the SCG or MCG, respectively, and thus this is not enterely correct. We propose to delete the reference to the key used. | "Do the following change: 2> | if the LTM cell switch is triggered on the MCG and for the SRB/DRB using the master key; or 2> |
| F035 | Fujitsu (Takako) | Mob | 1 | Duplicate | [Ericsson-Tony] My understanding is that even if the L3 HO has failed, the UE when triggers the RRC-reestablishment procedure it will restore the source cell configuration and thus there is never security key change at such. Therefore, in this case there should be no issue2. |  | (Issue 1) The fast LTM recovery is supported also for non-LTM failure (L3 HO/CHO and mobility from NR failures). For these case, security key change might be applied for the failed handover. If security key change was applied, COUNT values for SRBs were set to zero at the target configuration. These COUNT values should not be continued at fast LTM recovery. (Issue2) Also, state variables continuation for non-LTM failure case may have implementation impact. If this is the case, this should be solved. | "Two proposed options:  Option 1: Fast LTM recovery is supported only after LTM cell switch execution failure. (covers both Issue 1 and Issue 2) Option 2: Fast LTM recovery is applied after reconfiguration with sync failure and mobility from NR failure but: - State variable continuation is only applied the case security key update was not applied for the failed handover; (covers Issue 1) and - - for reconfiguration with sync failure, fast recovery is only applied the case masterKeyUpdate was included in the failed handover. (covers Issue 2)" |  |
| C127 | CATT (Rui) | Mob | 1 | PropAgree | [Ericsson-Tony] This RIL was discussed and agreed. |  | The purpose of continuing the PDCP state variable for SRB1 cannot be achieved with the change as UE has already reverted back the PDCP state variable when T304 expires.we will submit a tdoc to address it. |  | Huawei v14: The need for this bullet and the previous one is unclear, they could be removed |
| F034 | Fujitsu (Takako) | Mob | 1 | Duplicate | [Ericsson-Tony] See C127 |  | RAN2 agreed that COUNT for SRB would be continued at LTM recovery. However, the text in the RRC specification specifies COUNT for only SRB1 is continued. Since RRC message(s) via other MCG SRB(s) may be transmitted with RRCReconfigurationComplete via SRB1, other SRB(s) has the same problem with SRB1. Also, for DAPS case, state variables continuation is applied for all MCG SRBs. Therefore, state variable continuation should be applied for all MCG SRBs. | continue using PDCP entity for each SRB associated to MCG with state variables continuation as specified in TS 38.323 [5] |  |
| E237 | Ericsson (Tony) | Mob | 1 | PropAgree |  |  | The SRB1 is always configured for the case when fast RLF recovery is triggered and thus “(if configured)” can be deleted. | "Do the following change: 2> | continue using PDCP entity for SRB1 (if configured) with state variables continuation as specified in TS 38.323 [5];" |
| M021 | MediaTek (Li-Chuan Tseng) | Mob | 1 | Duplicate | [Ericsson-Tony] See C127. My understanding is that something in PDCP spec needs some update. |  | Corresponding procedure 38.323 is written in such way that the PDCP entity of an SRB should be configured for state variable continuation. Also other parts of 38.331 (DAPS related) where the state variables continuation is used, the PDCP entity of SRB is always "configured" for state variables continuation. So, should this text be updated to "configure the PDCP entity of SRB1 for state variables continuation", i.e., is that the intention here? In addition, in 38.323, state variables continuation requires 'source SRB' and 'target SRB', i.e., the target SRB inherits the state variables of the source SRB. It is unclear what is considered source SRB and what is target SRB in the case of LTM cell switch execution. In addition, in 38.323, state variables continuation requires 'source SRB' and 'target SRB', i.e., the target SRB inherits the state variables of the source SRB. It is unclear what is considered source SRB and what is target SRB in the case of LTM cell switch execution. |  |  |
| H096 | Huawei (David) | Mob | 1 | PropAgree | [Ericsson-Tony] There is no solution to the proposed RIL. |  | For a number of fields, it is not clear whether that are "associated with the MCG" or not, e.g. fields in otherConfig directly received on SRB1 (not in mrdc-secondaryCellGroupConfig), which can result in mismatch between the UE and the network. | See discussion and proposal in Tdoc. |  |
| M022 | MediaTek (Li-Chuan Tseng) | Mob | 1 | PropAgree |  |  | (typo) | associated withto the |  |
| H093 | Huawei (David) | Mob | 1 | PropAgree |  |  | In the full configuration procedure, after which this procedure is modelled, the UE applies default L1 parameters, but not here. | Add a statement to apply default L1 parameters for the CG for which the LTM cell switch procedure is triggered. |  |
| N133 | Nokia (Jedrzej) | Mob | 1 | PropReject | [Ericsson-Tony] We agree during the WI to not have a specific section for how the UE should generate the applied complete LTM configuration. Also, the final applied complete LTM configuration does not take into account the source configuration, as the complete LTM configuration is always a full configuration with respect to the source confituration. I think that the current text is indeed in line with the Rel-18 agreements. |  | The way reference configuration in LTM is applied is not in line with the R18 agreements. The applied final configuration is a combination of source, reference and candidate delta configuration. | Avoid the release of source configuration when using reference configuration. Modify the procedure in 5.3.5.18.6 and add a new section. TP to be submitted to RAN2#125bis |  |
| S810 | Samsung (Aby) | Mob | 1 | PropAgree | [Ericsson-Tony] This is in line with what we did already for subsequent CPAC. |  | Handling reference configuration modification in LTM configuration. | "Problem: It is specified that UE stores and applies the RRCReconfiguration for a LTM cell switch for subsequent LTM cell switch. When the Reference configuration or candidate cell is modified, UE also should regenerate any stored RRC reconfiguration message using the modified reference configuration message. There is a line in the note added for SCPAC case, a similar line may be added for LTM also. Solution: Update NOTE 2 as follows similar to the note in subsequent CPAC. NOTE 2: | When ltm-ConfigComplete is not included for an LTM candidate configuration, before an LTM cell switch is triggered a UE implementation may generate and store an RRCReconfigurationmessage by applying the received LTM candidate configuration on top of the LTM reference configuration, and the stored RRCReconfiguration message is applied when the LTM cell switch is triggered. The UE need to ensure that RRC reconfiguration applied at the time of LTM cell switch is in accordance with the latest LTM reference configuration and LTM candidate configuration." |
| G126 | Google (Eric) | Mob | 1 | PropReject (ToDisc next meeting) | [Ericsson-Tony] The current text if correct and the absence of the "if…else" condition in on purpose. The UE will only perform fast RLF recovery once for CHO and if a cell has both a CHO and a LTM candidate, is up to the UE which one to chose. |  | After apply the condRRCReconfig. If the attemptLTM-Switch is not configured or the selected cell is not a LTM candidate cell, the UE will peforem 1>else bullet below to pefrom RRC coneection re-establishment procedure. | "Change the bullet to: 1> | else if attemptLTM-Switch is configured; and"  Samsung(Aby):  I have added the following comment to solve the issue, without affecting the “if..else” as mentioned by rapporteur in the RIL document. I see that it is missing here. So adding it again. This way we can solve the issue without affecting RAN2 agreement:  Agree that there is an issue. But the proposed change means that CHO based recovery is always prioritised over LTM based recovery, which is not according to the agreement to leave it to UE implementation.  We suggest to replace the  1>else  With  1>if the UE has not applied the stored condRRCReconfig associated to the selected cell and has not performed LTM cell switch procedure for the selected LTM candidate cell, as above:  to solve the issue without affecting RAN2 agreement.  TP:  1>if attemptLTM-Switch is configured ; and  1>if the selected cell is one of the LTM candidate cells in the LTM-Candidate IE within ltm-Config associated with the MCG:  2>perform the LTM cell switch procedure for the selected LTM candidate cell according to the actions specified in 5.3.5.18.6;  NOTE 2: In case both attemptCondReconfig and attemptLTM-Switch are configured, it is left to the UE implementation which procedure to execute.  1>if the UE has not applied the stored condRRCReconfig associated to the selected cell and has not performed LTM cell switch procedure for the selected LTM candidate cell, as above:  2>if UE is configured with attemptCondReconfig; or  2>if UE is configured with attemptLTM-Switch:  3>reset MAC; |
| C129 | CATT (Rui) | Mob | 1 | PropAgree | [Ericsson-Tony] It looks like this is one of the remaining issues and needs to be discussed. At the moment the 38.300 and 38.331 are not aligned |  | according to the spec, multiple attempts of the LTM recovery is supported, but it has the risk to let UE falls into a cycle to access the same cell unsuccessfully | LTM recovery should be only performed once after the failure happens.we will submit tdoc to address it. |  |
| N161 | Nokia (Endrit) | Mob | 1 | PropReject | [Ericsson - Tony] My understanding is that this is a network configuration and there should not be any UE autonomous action. It may be possible that some collision is experienced but UE may always fallback to CBRA. |  | UE cannot use shared CFRA preambles when LTM recovery is configured. | UE discards the CFRA resources of other LTM candidate cells. Suggest to add the following:  2> discard any explicitly signalled contention-free Random Access Resources for 2-step RA type and 4-step RA type except the 4-step RA type contention-free Random Access Resources for beam failure recovery request, if any, for the selected cell/for the LTM candidate cells; | CFRA preambles are shared between other UEs, and NW may allocate the same preamble (i.e., CFRA preamble UE autonomously chose for recovery) to another UE for regular LTM cell switch. This would lead to collision of the CFRA preambles and unexpected LTM behavior |
| H166 | Huawei (David) | Mob | 1 | ToDisc |  | Huawei (to coordinate with the other interested companies) | "The endorsed TP in R2-2404006 has the following text: 2> | if the UE has idle/inactive measurement information concerning cells other than the PCell available in VarMeasIdleReport: 3> | if the idleModeMeasurementReq is included in the RRCResume message: 4> |
| Z045 | ZTE (LiuJing) | Mob | 1 | Handled in EMR email discussion outcome |  |  | According to RAN2 discussion, X timer is not applicable to EUTRAN measurements, so there is no need to check the validity of EUTRAN measurement results and no need to set the validityStatus for EUTRAN measurements. . | "Move below text to level 4>, it is executed no matter measIdleValidityDuration is included or not. 5> | set the measResultIdleEUTRA in the RRCResumeComplete message to the value of measReportIdleEUTRA in the VarMeasIdleReport, if available;" |
| N111 | Jarkko(Nokia)\_update | Mobility Enhancements (EMR) | 2 | PropAgree | [Ericsson - Tony] I mark this as PropAgree because I link this to the email discussion which happened on the EMR measurementes. The rest of the old RILs on this as marked as "Duplicate" and refer to the email discussion. |  | One possible issue with validityStatus reporting that now R18 validity status supporting UE could report the status to the gNB not supporting the feature. In order to prevent this it would seem logical to have in SIB1 indication from NW whether it wants validityStatus reported | Add in SIB1 a indication whether validityStatus reporting is allowed (similar to idleModeMeasurementsEUTRA/NR) e.g. idleModeMeasurementsValidity |  |
| Z046 | ZTE (LiuJing) | Mob | 1 | Handled in EMR email discussion outcome | [Ericsson-Tony] I guess the procedure is already correct, but I may miss something. |  | If X timer is configured, the UE should only include idleMeasAvailable if there is valid measurement results that fulfil the validity check of X timer. Otherwise, the network may trigger RRC procedure to ask UE to provide measurement results, but in the end, nothing can be reported by the UE. | Update the text procedure to capture the case that X timer is configured and there is valid measurement results after validity check. |  |
| H167 | Huawei (David) | Mob | 1 | ToDisc |  | Huawei (to coordinate with the other interested companies) | "The endorsed TP in R2-2404006 has the following text: 2> | if the UE has reselection measurements available; 3> | if the reselectionMeasurementReq is included in the RRCResume message: 4> validatedMeasurementsReq is included in the RRCResume 5> if measReselectionCarrierListNR is present in VarMeasReselectionConfig: 6> |
| H143 | Huawei (David) | Mob | 1 | PropAgree | [Ericsson-Tony] This modify the legacy text, so is correct that the work "valid" should be removed. |  | This is NBC and should be removed. | Remove this. |  |
| E217 | Ericsson (Cecilia) | Mob | 0 | PropAgree |  |  | ":" missing. [Proposed Change]: Insert ":". | Insert ":". |  |
| H144 | Huawei (David) | Mob | 1 | Handled in EMR email discussion outcome | [Ericsson - Tony] I understand this was included in the endorsed TP for EMR, but I mark this anyway as Duplicate. |  | It should be possible to configure a timer and not a list of carriers, i.e. in this care the UE reports any cell reselection measurements it has. | See TP in Tdoc. |  |
| X122 | Xiaomi (Yi) | Mob | 1 | Duplicate | [Ericsson-Tony] See X121 |  | "Same as RIL X121 in 5.3.3.4 | Reception of the RRCSetup by the UE." | Suggest to remove “valid” |
| N112 | Jarkko(Nokia)\_update | Mobility Enhancements (EMR) |  | Duplicate | [Ericsson-Tony] I think the procedural text should be updated to clarify this. |  | The condition of T331 runing should not be applied to reselection measurements. | "T331 condition should not be applied for reselection measurements i..e this bullet below “ | if the UE supports reselection measurement reporting:”" |
| H145 | Huawei (David) | Mob | 1 | ToDisc | [Ericsson-Tony] This was not addressed in the email discussion for EMR. I guess we would need to discuss this to the next meeting. | Huawei (to coordinate with the other interested companies) | Action for the carrier list for cell resleection measurement should not be under a 1> which is about the carrier list for EMR, it should be under a separate 1> bullet about the carrier list for cell reselection measurements | See TP in Tdoc. |  |
| H146 | Huawei (David) | Mob | 1 | Duplicate | [Ericsson-Tony] can be addressed together with H145 |  | Action for the validity timer for cell reselection measurement should not be under a 1> which is about the carrier list for EMR, it should be under a separate 1> bullet about the validity timer for cell reselection measurements. | See TP in Tdoc. |  |
| H147 | Huawei (David) | Mob | 1 | Duplicate | [Ericsson-Tony] can be addressed together with H145 |  | Action for the validity timer for Rel-16 EMR should not be under a 1> which is about the carrier list for EMR, it should be under a separate 1> bullet about the validity timer for EMR. In addition, it should not be under a condition for support of cell reselection reporting, it should rather be under a condition for support of NR EMR measurement and support of the validity check of EMR. | See TP in Tdoc. |  |
| Z047 | ZTE (LiuJing) | Mob | 1 | PropAgree |  |  | According to RAN2 discussion, X timer is not applicable to EUTRAN measurements, so there is no need to check the validity of EUTRAN measurement results and no need to set the validityStatus for EUTRAN measurements. . | "Move below text to level 2>, it is executed no matter measIdleValidityDuration is included or not. 3> | set the measResultIdleEUTRA in the UEInformationResponse message to the value of measReportIdleEUTRA in the VarMeasIdleReport, if available;" |
| X123 | Xiaomi (Yi) | Mob | 1 | Duplicate | [Ericsson-Tony] Please check X121 |  | In current procedure, before the UE determines whether measReselectionValidityDuration is configured, the UE needs to determine whether UE has valid reselection measurements available, which may cause some issue for UE behaviour. | Suggest to remove “valid” |  |
| C145 | CATT (Rui) | Mob | 1 | PropAgree | [Ericsson-Tony] This was part of a contribution from Samsung |  | It was agreed that it is up to the NW to guarantee a valid SCPAC configuration after normal PCell change/legacy PSCell change, which means the network can reconfigure the S-CPAC configuration upon perfroming the PCell change/legacy PSCell change, however, this is not allowed according to the current spec as follow. |  |  |
| M024 | MediaTek (Li-Chuan Tseng) | Mob | 1 | PropAgree | [Ericsson-Tony] I am okay to remove this field description |  | Field description for ltm-Config does not provide any useful info. As per RAN2#125 agreement, such field description should not be introduced. |  |  |
| E231 | Ericsson (Tony) | Mob | 1 | PropAgree | [Ericsson-Tony] This is an issue that was discussed in the last meeting, but was not completely resolved (postponed) |  | In the last RAN2 meeting we discussed the possibility that the network is able to distinguish which LTM candidate cell configuration is applied by the UE as the transaction IDs included within the RRCReconfiguration message may collide. The easiest solution to avoid this problem would be to include the applied LTM candidate cell configuration index within the RRCReconfigurationComplete message. This will avoid any misalignment between the UE and the network. | Add the LTM candidate cell configuration index within the RRCReconfigurationComplete message. |  |
| H168 | Huawei (David) | Mob | 1 | ToDisc |  | Huawei (to coordinate with the other interested companies) | The Rel-16 flag serves two purposes: - avoid that the UE performs idle/inactive measurements if the network has no interest in them - avoid sending in RRCSetupComplete an indication that may disturb network that don't support it. Since the UE must perform cell reselection measurements in idle anyway, the first purpose does not exist for cell reselection measurements, only the second purpose. In this case, a flag in RRCSetup could be used instead of a flag in SIB1. |  |  |
| E238 | Ericsson (Tony) | Mob | 1 | PropAgree |  |  | From the RAN1 parameter list, it seems that only ssb-index is allowed within PathlossReferenceRS. This should be clarified in the field description. | Clarify in the field description that only ssb-index can be included within PathlossReferenceRS-Id-r17. |  |
| PA001 | Panasonic (Quan) | Mob | 1 | ToDisc | [Ericsson - Tony] I tend to agree with the change (even if the wording can be improved), but there is a similar issue in the MAC discussion. My assumption is that this will follow what will be agreed there. |  | Relation between CandidateTCI-State and TCI-State as agreed in RAN1#115 is not captured. | In RAN1#115, it has been agreed that “UE may expect that, for a candidate cell, the configuration of an LTM TCI state in ltm-DL-OrJointTCI-StateToAddModList-r18 and ltm-ul-TCI-ToAddModList-r18 is same as its counterpart in dl-OrJointTCI-StateList-r17 and ul-TCI-ToAddModList-r17 of the first active BWP in ServingCellConfig, at least in terms of TCI state ID, the corresponding qcl-Type1 and qcl-Type2 for the DL or joint TCI state or referenceSignal for the UL TCI state”. This has not yet been captured either in RAN1 or RAN2 specs. We suggest to add field description under qcl-Type1 and qcl-Type2, e.g. “For the same tci-StateId, this field provides the same configuration as it does in TCI-State configured in dl-OrJointTCI-StateList-r17 of the first active BWP in ServingCellConfig”. |  |
| E239 | Ericsson (Tony) | Mob | 1 | PropAgree |  |  | From the RAN1 parameter list, it seems that only ssb-index is allowed within PathlossReferenceRS. This should be clarified in the field description. | Clarify in the field description that only ssb-index can be included within PathlossReferenceRS-Id-r17. |  |
| PA002 | Panasonic (Quan) | Mob | 1 | Duplicate | [Ericsson - Tony] See PA001 |  | Relation between CandidateTCI-UL-State and TCI-UL-State as agreed in RAN1#115 is not captured. | In RAN1#115, it has been agreed that “UE may expect that, for a candidate cell, the configuration of an LTM TCI state in ltm-DL-OrJointTCI-StateToAddModList-r18 and ltm-ul-TCI-ToAddModList-r18 is same as its counterpart in dl-OrJointTCI-StateList-r17 and ul-TCI-ToAddModList-r17 of the first active BWP in ServingCellConfig, at least in terms of TCI state ID, the corresponding qcl-Type1 and qcl-Type2 for the DL or joint TCI state or referenceSignal for the UL TCI state”. This has not yet been captured either in RAN1 or RAN2 specs. We suggest to add field description, e.g. “For the same tci-UL-StateId, this field provides the same configuration as it does in TCI-UL-State configured in ul-TCI-ToAddModList-r17 of the first active BWP in ServingCellConfig”. |  |
| E209 | Ericsson (Cecilia) | Mob | 1 | PropAgree |  |  | There seems to be no other reference to "CHO with target SCG" so better not to include it only here. This is a CHO configuration, which happens to include an SCG as well. It is a bit different for "CHO with candidate SCG(s)", which have different configurations (an additional execution condition) and which is described in stage-2 (37.340).. [Proposed Change]: Remove "CHO with target SCG". | Remove "CHO with target SCG". |  |
| H0097 | Huawei (David) | Mob | 1 | PropAgree | [Ericsson-Tony] i have some sympathy for the comment as it not crystal clear the association between the security set ID and a candidate. Nevertheless, we should not tight the presence of this field only to the inter-SN case as the security may be changed also for the intra-SN case. It should be up to the network to decide. |  | If this is configured for certain candidates but not others, the UE behaviours is totally inconsistent (see discussion). | Make it either configured for all SCPAC candidates, or not configured for any. It looks simpler to make it always configured for SCPAC (for intra-SN, it is not difficult for the network to set a single value). |  |
| Z062 | ZTE (Mengjie) | Mob | 1 | PropReject | [Ericsson - Tony] The part impacted by this field description was discussed in the last meeting and the TP was the outcome of such discussion. I would not like to re-discuss thing again and again. If something was agreed to be deleted I would not expect something that propose to re-add this again. I mark this as PropReject, but of course you can re-discuss this and convince the other companies that your change is needed. |  | The subsequent CPAC case was removed in this version (due to the implementation of TP in R2-2401930). However, the field condExecutionCond shall be used to configure the initial execution condition for SN initiated intra-SN subsequent CPAC with MN involvement. Besides, we agreed that “It is up to the NW to guarantee a valid SCPAC configuration after SCG release/PCell change/PSCell change.”, so the NW is also possible to (re)-configure the condExecutionCond for subsequent CPAC candidate cells to ensure that there is valid execution condition. | Add “SN initiated intra-SN subsequent CPAC with MN involvement”. condExecutionCond The execution condition that needs to be fulfilled in order to trigger the execution of a conditional reconfiguration for CHO, CPA, intra-SN CPC without MN involvement, or MN initiated inter-SN CPC or SN initiated intra-SN subsequent CPAC with MN involvement. When configuring 2 triggering events (Meas Ids) for a candidate cell, the network ensures that both refer to the same measObject. The network configures at most one from condEventD1, condEventD2 or condEventT1 for the same candidate cell. For CPA and for MN-initiated inter-SN CPC, the network only indicates MeasId(s) associated with condEventA4. For intra-SN CPC and SN initiated intra-SN subsequent CPAC with MN involvement, the network only indicates MeasId(s) associated with condEventA3 or condEventA5. |  |
| Z063 | ZTE (Mengjie) | Mob | 1 | Duplicate | [Ericsson - Tony] See Z062 |  | The subsequent CPAC case was removed in this version (due to the implementation of TP in R2-2401930). However, the field condExecutionCondSCG shall be used to configure the initial execution condition for SN initiated inter-SN subsequent CPAC, SN initiated intra-SN subsequent CPAC with MN involvement, or MN initiated inter-SN subsequent CPAC. Besides, we agreed that “It is up to the NW to guarantee a valid SCPAC configuration after SCG release/PCell change/PSCell change.”, so the NW is also possible to (re)-configure the condExecutionCondSCG for subsequent CPAC candidate cells to ensure that there is valid execution condition. | Add “SN initiated inter-SN subsequent CPAC, SN initiated intra-SN subsequent CPAC with MN involvement, or MN initiated inter-SN subsequent CPAC”. condExecutionCondSCG Contains execution condition that needs to be fulfilled in order to trigger the execution of a conditional reconfiguration for SN initiated inter-SN CPC, SN initiated inter-SN subsequent CPAC, SN initiated intra-SN subsequent CPAC with MN involvement, or MN initiated inter-SN subsequent CPAC. The Meas Ids refer to the measConfig associated with the SCG. When configuring 2 triggering events (Meas Ids) for a candidate cell, network ensures that both refer to the same measObject. For each condReconfigId, the network always configures either condExecutionCond or condExecutionCondSCG (not both). The network only indicates MeasId(s) associated with condEventA3 or condEventA5. |  |
| E210 | Ericsson (Cecilia) | Mob | 1 | PropAgree | [Ericsson-Tony] Before we had a definition of "complete configuration" but this was deleted in a late stage of the WI. I think it makes sense to spell out what we mean with "complete configuration" in the field description. |  | "Complete configuration" might be a bit unclear to people who have not worked with the feature before. [Proposed Change]: Add something saying that is it is not present the configuration is "...a delta configuration on top of the reference configuration in scpac-ReferenceConfiguration". | Add something saying that is it is not present the configuration is "...a delta configuration on top of the reference configuration in scpac-ReferenceConfiguration". |  |
| E211 | Ericsson (Cecilia) | Mob | 1 | PropAgree |  |  | This "MN initiated inter-SN..." does not make sense since the candidates can all be in the same SN also when it is MN initiated. This seems to be the only place where this is present now. It has been removed from the corresponding field description above. [Proposed Change]: Change to "...MN initiated subsequent CPAC...". | Change to "...MN initiated subsequent CPAC...". |  |
| C130 | CATT (Rui) | Mob | 1 | PropReject | [Ericsson-Tony] Even if this field can be configured for Rel-17 CPAC, as far as this field is present and set to true then I think there is no issue right? Can't we leave this to the network to set this field with the correct value? |  | The condition is not correct. It may cause that it is allowed to configured “scpac-ConfigComplete-r18” for a R17 CPAC candidate cell configuration When both the R17 CPAC and R18 S-CPAC candidate cell configuration are provided in the same conditional reconfiguration message. e.g. the conditional reconfiguration include the configuration for cell 1 cell 2 and cell 3, and the cell 1 is configured as one legacy CAPC, cell 2 and cell 3 are configured for SCPAC, for cell 1 it could configured with the field of scpac-ConfigComplete due to the condition of “when the conditional reconfiguration includes at least one candidate PSCell supporting subsequent CPAC.” is fulfilled, but in fact the cell 1 should not be configured with scpac-ConfigComplete. Therefore, we suggest changing the description to “when the subsequentCondReconfig field is present corresponding to the same condReconfigId” to avoid the ambiguity. | the descrption of the condition needs to to changed.we will address it in our tdoc. |  |
| L063 | LGE (Siyoung) | MOB |  | PropAgree | [Ericsson - Tony] I think the issue is correct and probably the best would be to delete completely the field description as what the UE shall do is clear from the procedural text. Will address this in the Rapporteur RRC CR. |  | This intends to prevent multiple attempts of CHO based recovery after a failure, i.e., the UE should attempt CHO based recovery only once after a failure. To this end, it is specified in 5.3.5.3 that the UE should remove all the entries in the condReconfigList within the MCG and the SCG VarConditionalReconfig except for the entries in which subsequentCondReconfig is present. Both attemptCondReconfig (i.e. CHO based recovery) and attemptLTM-Switch (i.e. LTM based recovery) can be simultaneously configured for a UE. The UE keeps the stored configuration for CHO when LTM based recovery is performed. In this case, the UE may perform CHO execution to the selected cell (i.e. CHO based recovery) even it is not the first cell selection after a failure. | The UE removes all the entries in the condReconfigList within the MCG and the SCG VarConditionalReconfig except for the entries in which subsequentCondReconfig is present if LTM based recovery is performed.  5.3.5.3 Reception of an RRCReconfiguration by the UE  The UE shall perform the following actions upon reception of the RRCReconfiguration, upon execution of the conditional reconfiguration (CHO, CPA, CPC, or subsequent CPAC), or upon execution of an LTM cell switch:  1> if the RRCReconfiguration is applied due to a conditional reconfiguration execution upon cell selection performed while timer T311 was running, as defined in 5.3.7.3; or  1> if the RRCReconfiguration is applied due to a LTM cell switch execution upon cell selection performed while timer T311 was running, as defined in 5.3.7.3:  2> remove all the entries in the condReconfigList within the MCG and the SCG VarConditionalReconfig except for the entries in which subsequentCondReconfig is present, if any; | [LGE-Siyoung] A part of proposed change is missed, so I correct.  By the way, just deleting the field description cannot prevent repeated fast recovery based on the latest RRC. For example, consider LTM based recovery is performed after failure. If the LTM based recovery is failed, then CHO based recovery can be performed because CHO configuration was not removed upon LTM based recovery. Therefore, yellow-highlighted text given in the proposed change (i.e. left box) is neccessary. |
| E212 | Ericsson (Cecilia) | Mob | 1 | PropAgree |  |  | It is unclear what is meant by "initial conditional reconfiguration". Maybe CHO is configured first, and later S-CPAC. The S-CPAC would not be the intial configuration. | Change the wording (upon the intitial … subsequent CPAC) to "initial configuration of subsequent CPAC for inter-SN CPC or CPA". |  |
| O205 | OPPO (Xue) | Mob | 1 | PropReject (ToDisc next meeting) | [Ericsson-Tony] I guess that E212 should have been solved the issue, but please check. |  | For subsequent CPA, this field should not be mandatory configured since there is no serving PSCell. | Add an exception for CPA case. |  |
| E240 | Ericsson (Tony) | Mob | 1 | PropReject (ToDisc next meeting) |  | Ericsson (to coordinate with the other interested companies) | RAN2 has agreed to send an LS to RAN3 where it was mentioned that the RA-RNTI should be forwarded by the Candidate DU to the Source DU. However, this parameter is not useful to the Source DU as it not used anyway to delive the TA value within a RAR message. This has been discussed in RAN3 already and they agreed to wait for RAN2 to discuss this. | Send an LS to RAN3 to clarify that the RA-RNTI should be deleted in the F1AP message that is used to deliver the TA value. We will bring a contribution about this. |  |
| H092 | Huawei (David) | Mob | 1 | PropAgree | [Ericsson-Tony] I think it makes sense that the network set this field for all the candidates, otherwise we create inconsistency in the UE behaviour. |  | It seems allowed to configure this for certain candidates but not others. If so, according to current procedures, the UE behaviour will be inconsistent. | Capture that the network either sets this field for all candidates, or does not set it for any candidate. We will have a document to explain the issue can include the TP. | v1 |
| H091 | Huawei (David) | Mob | 1 | PropAgree | [Ericsson-Tony] I think it makes sense that the network set this field for all the candidates, otherwise we create inconsistency in the UE behaviour. |  | It seems allowed to configure this for certain candidates but not others. If so, according to current procedures, the UE behaviour will be inconsistent. | Capture that the network either sets this field for all candidates, or does not set it for any candidate. We will have a document to explain the issue can include the TP. |  |
| H086 | Huawei (David) | Mob | 1 | PropReject (ToDisc next meeting) | [Ericsson-Tony] I would be fine to remove the remaining of the field description, even if for me is good to clarify what this fields are, as they are new. |  | 1) None of the field descriptions bring any information that is not already in ASN.1 or in procedure text. 2) ssb-PositionInBurst is identical to the field with the same name in ServingCellConfigCommon, probably the description in ServingCellConfigCommon also applies this, so an IE should be created and used in both places 3) same thing for ssb-Periodicity and ssb-PeriodicityServingCell in ServingCellConfigCommon (and it could be Need S like there) 4) same thing for ss-PBCH-BlockPower | Remove the useless field descriptions (all current ones), create IEs SSB-Periodicity, SSB-PositionsInBurst and SS-PBCH-BlockPower, move existing descriptions (currently in ServingCellConfigCommon) there and use the IEs in every place. |  |
| M025 | MediaTek (Li-Chuan Tseng) | Mob | 1 | PropAgree |  |  | (re-wording to align with others) | This field identifies the PCI of the SpCell of the LTM candidate configuration contained in ltm-CandidateConfig. |  |
| M026 | MediaTek (Li-Chuan Tseng) | Mob | 1 | PropAgree |  |  | (re-wording) | This field identifiesindicates an LTM candidate configuration. |  |
| M027 | MediaTek (Li-Chuan Tseng) | Mob | 1 | PropAgree |  |  | (re-wording) | The IE LTM-Config is used to provide LTM configurationcandidate configurations. |  |
| F036 | Fujitsu (Takako) | Mob | 1 | Duplicate | [Ericsson-Tony] I think this is linked to H091 and H092. Initially we had a conditional presence where it was indicated what is proposed in this RIL, but companies decided to take it out. Maybe a mistake… |  | This field is mandatory for the first LTM configuration. It may be better to be specified in LTM-Config field description. |  |  |
| N134 | Nokia (Jedrzej) | Mob | 1 | PropReject (ToDisc next meeting) | [Ericsson-Tony] We need the "+1" for the case on when the serving cell is not one of the LTM candidate cells. |  | The maximum value of "LTM configurations plus one" is not justified for the UE-based TA. | Set the maximum value of ltm-ServingCellUE-MeasuredTA-ID to maxNrofLTM-Configs-r18 |  |
| M029 | MediaTek (Li-Chuan Tseng) | Mob | 1 | PropAgree |  |  | (re-wording) | This field indicates whether the UE shall include a L1 measurement report associated to the current SpCell. This field can only be configured if the current SpCell is configured as an SpCell of an LTM candidate configurationcell. |  |
| M028 | MediaTek (Li-Chuan Tseng) | Mob | 1 | PropAgree |  |  | (re-wording) | LTM candidate configurationcell IDs |  |
| E241 | Ericsson (Tony) | Mob | 1 | PropAgree | [Ericsson-Tony] I think MAC associate the received TCI to this IE, but it does not hurt to clarify for what this IE is used for. Maybe this can be already inferred by the procedure in MAC, but is not really immediate. |  | It would be to clarify that these list of TCI states and TCI-state related configuration are used for both the TCI state pre-activate and for the LTM cell switch procedure. | Add the following change: The IE LTM-TCI-Info is used to configure TCI related information for an LTM candidate configuration to be used during pre-activation of TCI state(s) and/or during the activation upon the reception of the LTM Cell Switch procedure. | Huawei: In 38.321, the MAC CE descriptions normally refer to the RRC field names, so maybe we can just do that in 38.321 and there is not need to duplicate it here. Panasonic: Similar view as Huawei. In current 38.321, the candidate TCI state activation/deactivation MAC CE and LTM cell switch command MAC CE are already refering to this list: ltm-DL-OrJointTCI-StateToAddModList-r18 |
| H095 | Huawei (David) | Mob | 1 | PropReject | [Ericsson-Tony] I think that the latest RAN1 agreement says that this list and the legacy TCI list are indepenent and UE will continue to use the LTM TCI after the LTM cell switch until the network will not change this TCI with one of the legacy TCI list. Therefore, I guess RAN1 somehow reverted what they agreed before. |  | RAN1 agreed that this list of TCI states is a subset of the list in the initial DL BWP, but this is not captured. The same applies to UL TCI states for the UL BWP. Consequently, this should also be the case of Pathloss Reference RS and for the NZP CSI-RS that are used in TCI states. | We discuss possible solution in a Tdoc. | Panasonic: agree with Huawei that we need to find a way to capture the missing agreement. One possbile way is to add the field description to IE CandidateTCI-State and CandidateTCI-UL-State. Please see RILs PA001 and PA002 below. We are open to discuss other ways |
| H094 | Huawei (David) | Mob | 1 | PropReject | [Ericsson-Tony] This comes from the RAN1 parameter list. If this should be removed I expect RAN1 to inform us. |  | Items in this list are not used anywhere. | Remove this field and the next one. |  |
| N162 | Nokia (Endrit) | Mob | 1 | PropReject | [Ericsson - Tony] I don't really the issue with the current signalling as this can be extended and if something needs to be introduced in Rel-19 we can handle it. |  | CSI-RS information does not necessarily need to be part of the TCI-Info IE. | Suggest to move them to a separate IE | For Rel. 18 these were added to provide TRS configuration to the UE in case a TCI state is associated with a TRS. For Rel. 19, we would need to support CSI-RS for L1 measurements as well. Thus, we will need CSI-RS information independent of the TCI information. Therefore, we suggest to follow a more future-proof approach. |
| N162 | Nokia (Endrit) | Mob | 1 | PropReject | [Ericsson - Tony] Field descriptions for these cases seems to be useless, unless we want to add additional information which are not covered in the legacy field descriptions or procedural text. |  | Field descriptions missing (also for other IEs) | Add the missing field descriptions | Although some of them can be inferred from the context, we prefer following an “explicit is better than implicit” approach, and providing complete descriptions of the meaning of the newly added fields. |
| X124 | Xiaomi (Yi) | Mob | 2 | Handled in EMR email discussion outcome | [Ericsson-Tony] I think the proposal can be discussed during the meeting |  | In current spec, the indication validityStatus is added to MeasResultsPerCellIdleNR, which includes the idle/inactive measured results per cell. However, in the procedure of EMR/IMR, if X is configured, only valid measurement results can be reported to network. And a per UE indication is enough, the new indication shall be per MeasResultIdleNR or MeasResultIdleEUTRA indication and added to MeasResultIdleNR and MeasResultIdleEUTRA. | See TP in Tdoc. |  |
| Z048 | ZTE (LiuJing) | Mob | 1 | Handled in EMR email discussion outcome | [Ericsson-Tony] i guess is anyway better to have some spare value rather than not having at all. However, i will reduce the number of spare value because is true that 2 bits for this field is a bit unjustified. |  | This field is used to indicate whether the UE has checked the validity of measurement results, so either “Yes” or “No”, we havent’s seen clear motivation to introduce spare values, which occupies 3 bits for this field. Considering the parent IE (after it is moved to MeasResultIdleNR-r16) is anyway extendable, there is no need to add spare values right now. | Change the value range to “ENUMERATED {checked}”. |  |
| F031 | Fujitsu (Meiyi) | Mob | 1 | PropReject | [Ericsson-Tony] How the UE handles this should be already clear in the MAC spec when the LTM cell switch MAC CE is received. Therefore, there is no need to further clarify this in RRC. |  | According to the field description for cfra, the UE performs contention based random access if cfra and cfra-TwoStep are absent. However, CFRA resources can be provided in the LTM cell switch MAC CE and refer to rach-ConfigCommon. It means that the UE performs contention free random access when the CFRA resources from rach-ConfigCommon is indicated in the MA CE. | To modify the field description of cfra: If this field and cfra-TwoStep are absent and if the random access is not initiated for LTM cell switch, the UE performs contention based random access. |  |
| F033 | Fujitsu (Meiyi) | Mob | 1 | PropReject | [Ericsson-Tony] If this is already mentioned explicitly in stage2, I don't see the point to re-iterate this also in RRC. Network know that 2-step RA is not supported for LTM, so it should not add such configuration. |  | According to TS38.300, CFRA resources for 2-step RA type should not be configured for LTM cell switch. | To add the following description in the field cfra-TwoStep: Network doesn't include this field if the IE RACH-ConfigDedicated is part of an RRCReconfiguration message within the LTM-Config IE. |  |
| F032 | Fujitsu (Meiyi) | Mob | 1 | Duplicate | [Ericsson-Tony] See F031 |  | same as F031 | To modify the field description of cfra-TwoStep: If this field and cfra are absent and if the random access is not initiated for LTM cell switch, the UE performs contention based random access. |  |
| E068 | Ericsson (Tony) | Mob | 2 | PropReject | [Ericsson-Tony] This is an issue that was discussed in the last meeting, but was not completely resolved (postponed) |  | When providing a RadioBearerConfig for an LTM candidate cell configuration, we needs to clarify that the SecurityConfig should not be provided (except for the keyToUse field), even if, in this case, the radio bearer may be considered as the first addition. An exception for LTM need to be added. | Add an exception that, in case this field is used for LTM, in this case its presence is not mandatory (at least for the field condition of securityAlgorithmConfig). We are planning to submit a contribution about this. |  |
| E250 | Ericsson (Tony) | Mob | 1 | PropAgree | [Ericsson-Tony] We sent an LS to RAN1 to check |  | In current capability signalling, if the UE supports LTM (at the MCG or SCG), the UE should also support in a mandatory way the L1 measurements for LTM. According to what was agreed in RAN1 this was not the intention and the UE should be able to report the support of LTM (at the MCG or SCG). Also, if we want to keep the current text of this capability in 38.306 the capabilities for the intra- and inter-frequency measurements become useless, so what is the point of having them? | We will bring a contribution for this. |  |
| E250 | Ericsson (Tony) | Mob | 1 | PropAgree |  |  | In current capability signalling, if the UE supports LTM (at the MCG or SCG), the UE should also support in a mandatory way the L1 measurements for LTM. According to what was agreed in RAN1 this was not the intention and the UE should be able to report the support of LTM (at the MCG or SCG). Also, if we want to keep the current text of this capability in 38.306 the capabilities for the intra- and inter-frequency measurements become useless, so what is the point of having them? | We will bring a contribution for this. |  |
| E074 | Ericsson (Tony) | Mob | 2 | PropAgree | [Ericsson-Tony] To be discussed together with E231 |  | With the introduction of conditional mobility configurations (i.e., many flavours such as CHO, CPC, CPA, CPAC, CHO with SCGs) and LTM, the ID space for the transaction identifier may be too limiting for the network to understand which RRC message is which. Therefore, we should consider whether the ID space of the transaction identifier should be extended. | It would be good to extend the ID space of the transaction identifier. We are planning to submit a contribution about this. | 38331 Rapp changed WI code from Gen to Mob, since context of discussion is prefereably in Mob session. |
| C126 | CATT (Rui) | Mob | 2 | PropAgree | [Ericsson-Tony] The field description it seems to hint that only A4 event can be included in this IE. But maybe this can be discussed. |  | In this IE, Only 1 event can be configured as the execution condition of a candidate PSCell, which is not aligned with the Uu signalling (i.e., up to 2 events can be configured to UE) | the IE structure needs to be changed to a SEQUENCE type,we will submit a tdoc for this change. |  |
| Z064 | ZTE (Mengjie) | Mob | 1 | PropReject | [Ericsson - Tony] It seems the field description are not really necessary as they are not adding anything new that the signalling does already support. |  | Currently, both candidateCellInfoListCPC and candidateCellInfoListSubsequentCPC can be used to transfer candidate cells information for subsequent CPAC, it’s unclear how to use the IEs and whether they can be included in the same CG-Config message. Since the candidateCellInfoListSubsequentCPC is used to transfer the execution conditions for the following execution of subsequent CPAC, it can only be included in the CG-Config message contained in the CG-CandidateList message. Besides, the subsequent CPAC is only supported in NR-DC, so this field is only used in NR-DC. | Suggest to add some clarification on how to use the IE in the field description, e.g.: This field is only included in the CG-Config message contained in the CG-CandidateList message. This field is only used in NR-DC. |  |
| E400 | Ericsson (Tony) | Mob | 1 | ToDisc |  | Ericsson (to coordinate with the other interested companies) | In the last RAN2#125bis meeting, we have agreed to introduce a restriction so that the MN indicates to the SN the number of LTM candidate cell which can configure. However, it makes sense to have also the other direction (SN->MN) as if the SN shall only follow the MN restrictions this means that subsequent LTM may not be possible at the SCG, which is something that goes against what we have agreed. | We are planning to discuss possible solutions about this in a contribution to the next meeting. |  |
| E213 | Ericsson (Cecilia) | Mob | 1 | PropReject (ToDisc next meeting) | [Ericsson-Tony] This seems more like an editorial change. Maybe we can leave it our for now and we can polish the spec later. |  | It is unnecessary to list the different conditional reconfigurations twise in the same sentence. Also, subsequent CPAC is missing in the first listing of the different types. | Only mention the different conditional reconfiguration types once in the sentence and ensure that subsequent CPAC is there. |  |