3GPP TSG-RAN WG2 Meeting #131***R2-25xxxxx***

Bengaluru, India, August 25-29, 2025

**Agenda item:** 8.11.1

**Source:** CATT

**Title:** Summary of [POST131][219][SBFD] CR for TS 38.300 (CATT)

**Document for:**  Discussion

# 1. Introduction

This document summarizes the TS 38.300 CR email discussion.

* [Post131][219][SBFD] CR for TS 38.300 (CATT)

Intended outcome: Agree the CR for TS 38.300

Deadline: Short

Companies are invited to provide their comments on the CR "R2-250xxxxx Introduction of SBFD in TS 38300 " for this email discussion in the Table in Section 3 below.

Companies are invited to provide comments by **4th Sep 2025.**

# 2. Summary of updates in TS 38.300 CR

Please find the summary of updates according to the RAN2 agreement:

|  |  |  |
| --- | --- | --- |
| Changes | | Actions |
| Change #1 | Remove the summary of change on PDCCH order provided by RAN1 from the coversheet. Please refer to change#5 for the detail reason. | Companies please provide the comments on this removal together with change#5. |
| Change #2 | Remove the editor notes in Clause 17.2 | Please confirm |
| Change #3 | Remove the editor notes in Clause X.2. | Please confirm |
| Change #4 | Capture the agreement on the remaining open issues:   * Support co-existence of SBFD with intra-DU LTM. Whether to support the co-existence between SBFD and other LTM cases is not discussed in the Rel-19 SBFD WI.   Remove the editor notes. | Please confirm |
| Change #5 | Remove the stage-3 TP on CFRA triggered by PDCCH order provided by RAN1 from stage-2 spec. Otherwise more stage-3 TPs should also be included, e.g. RO type selections for the initial RACH transmission and RO type fallback.  Remove the editor notes. | Companies please provide the comments on this removal. |
| Change #6 | Introduce the bi-directional fall-back of RO types for CBRA and fall back of RO types for CFRA. | Companies please provide the comments on the newly added part. |

# 3. Comments Collection on CR for TS 38.300

**Q1. Please provide your comments on the change #1& 5 in the CR "R2-250xxxxx Introduction of SBFD in TS 38300" in the Table below.**

|  |  |  |  |
| --- | --- | --- | --- |
| Company | Comments | Proposed Change (if any) | Rapporteur Comments |
| Xiaomi | We don’t have very strong view but prefer to keep the CFRA part provided by RAN1. We can remove the Editor’s Note. |  | Let’s wait for more comments on it. |
| Qualcomm | We prefer to keep CFRA triggered by PDCCH order part from the RAN1 endorsed TP. There is no harm to keep this in 38.300. |  | Accepted |
| Nokia | We prefer to keep part provided by RAN1 |  | Accepted |
| IDC | Not related to the changes, but SBFD with multi-carrier (CA) is missed which is already agreed by RAN1. We need to capture the CA operation (in general section or other section) in stage-2 specification with high level description.  RAN1#120 agreement  *Support SBFD operation on one TDD carrier in multi-carrier scenario.*   * *Note: If the TDD carrier for SBFD operation is an Scell, support UE dedicated signaling for cell-specific configuration of time and frequency location of SBFD subbands for the Scell.* * *FFS whether/how to handle half-duplex CA case* |  | RAN1 feature leader confirmed that RAN1 didn’t provide any TP of stage-2 on this agreement in the LS because they think there is no stage-2 spec impact. Considering only one comment on this change, contribution can be submitted and further discussed for the next meeting. |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Q2. Please provide your comments on the change #6 in the CR "R2-250xxxxx Introduction of SBFD in TS 38300" in the Table below.**

|  |  |  |  |
| --- | --- | --- | --- |
| Company | Comments | Proposed Change (if any) | Rapporteur Comments |
| Huawei, HiSilicon | first sentence seems to be unnecessarily long. for the second, prefer to use "type switch" instead of "fallback" here. | For CBRA, an SBFD aware UE is permitted to switch from the first PRACH occasions to the second PRACH occasions and vice versa as specified in TS 38.213 [38] during a random access procedure.  However, no further switch of PRACH occasions type is allowed in the same random access procedure. | The change on the first sentence is accepted.  The second change will follow Xiaomi’s suggestion: However, fall-back is only allowed once in the same random access procedure.  Will follow the majority comment. |
| Huawei, HiSilicon | If a fall-back from CFRA to CBRA occurs, an SBFD aware UE uses the CBRA resource associated with the same RO type (first or second PRACH occasions) when the RACH resources for that RO type are provided for CBRA.  Not sure we need this sentence in stage-2 spec, seems can be covered by stage-3 specs. At least the condition highlighed is not needed. |  | Will revise to:  If a fall-back from CFRA to CBRA occurs, an SBFD aware UE uses the CBRA resource associated with the same RO type (first or second PRACH occasions) |
| Xiaomi | “UE is permitted…” | Suggest to change “permitted” to “allowed”. | Accepted. |
| Xiaomi | “However, no secondary fall-back is allowed in the same random access procedure.” | Suggest to change to “However, fall-back is only allowed once in the same random access procedure”. | Accepted. |
| Nokia | Wording from Huawei looks better to us | The fallback condition mentioned are for RO type switch, and wording from Huawei ‘However, no further switch of PRACH occasions type is allowed in the same random access procedure’ righty captures. | Will revise to:  ‘However, no further switch of PRACH occasions type (the first and second PRACH occasions) is allowed in the same random access procedure’, because there is no definition of PRACH occasions type yet. |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Q3. Please provide your comments on the change #2&3&4 in the CR "R2-250xxxxx Introduction of SBFD in TS 38300" in the Table below.**

|  |  |  |  |
| --- | --- | --- | --- |
| Company | Comments | Proposed Change (if any) | Rapporteur Comments |
| Huawei, HiSilicon | There is ambiguity to see SBFD is support for "all" triggering RACH event except SI, then followed by LTM. | Random access procedure in SBFD symbols is supported for all existing RACH trigger events as described in clause 9.2.6, except for the event of Request for Other SI and Early UL synchronization with an LTM candidate cell. For the event of RACH-based LTM cell switch, random access procedure in SBFD symbols is only supported for intra-DU case. | Accepted. |
| Nokia | Agree with Huawei | RAN2 agreed not to support early UL synchronization with an LTM candidate cell | Accepted. |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |