3GPP TSG-RAN WG2 Meeting #109 electronic Tdoc R2-20xxxxx

Electronic meeting, 24 Feb – 6 Mar 2020

Agenda Item: 7.6

Source: Ericsson (Rapporteur)

Title: Report of [AT109e][206][LTE16] CR discussion on Rel-16 early security activation (Ericsson)

Document for: Report

# 1 Introduction

This document contains the summary of email discussion "[AT109e][206][LTE16] CR discussion on Rel-16 early security activation (Ericsson)", please see details below:

**[AT109e][206][LTE16] CR discussion on Rel-16 early security activation (Ericsson)**

Scope:

Discuss the CRs [R2-2000987](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000987.zip) and [R2-2000988](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000988.zip) over offline (email) discussion to solicit opinions from companies on the proposals and CR correctness.

Handle any CRs from discussion **205** that are deemed require further discussion

Intended outcome:

Discuss the CRs and check for correctness and impact to other RRC CRs.

If the CRs can be agreed, provide final CRs (by CR proponents)

Summary of discussions (by email rappporteur)

Deadline for providing comments and for rappporteur inputs:

Companies input: Thursday, Feb. 27th 17:00 CET

Rapporteur summary: Friday, Feb. 28th 17:00 CET (one day for rapporteur to make conclusions)

Updated CRs from each CR proponent: Monday Mar. 2nd 17:00 CET

Comments on CR wording: Tuesday, March 3rd by 17:00 CET

The topic was treated during RAN2#108 and according to the chair notes the outcome is that RAN2 will work on this enhancement and CRs are to be sent to next meeting (i.e. RAN2#109-e) by proponents.

In this document companies are asked to provide feedback based on the submitted CRs, after which a summary will be provided with revised CRs, if possible.

# 2 Discussion

## 2.1 Early security CRs

### 2.1.1 RRC CR [R2-2000987](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000987.zip)

Please provide comments on correctness and possible impacts to other RRC CRs in the table below, also if the CR can be agreed or what changes would be needed to make it agreeable. You may also use the draft version in the draft folder for detailed comments. Note that the intention is to produce agreeable CRs, thus detailed comments are very much welcomed.

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| **Company** | **Comments (correctness, impacts on other RRC CRs, other suggestions)** |
| Huawei, HiSilicon | It was agreed to work on early security activation enhancement, not on early DRB resumption which is something different. In this sense, we think the CR is not correct and is not acceptable to us.  It is a bit difficult to comment on the details of the CR, as the comment above affects most of the changes on the procedure text. In general, we don’t agree with the definition of early security reactivation (yellow part). As as result, the CR should not make ″early security Reactivation″ equivalent to ″initiating UP-EDT″ everywhere.  *Early Security Reactivation: Re-activation of AS security, resumption of radio bearers, and restoration of AS states prior to the transmission of RRCConnectionResumeRequest message when a UE is provided an NCC value during suspension.*  The CR will clash with NB-IoT and eMTC Rel-16 CRs and we wonder if it would not be better to postpone it to next meeting. |
| LG | We suggest to leave early DRB resumption FFS and have email or offline discussion on it because we wouldn’t have enough time for discussion if this is postponed to next meeting. Early resumption of SRBs wouldn’t be a problem.  RAN2 could agree the baseline version for early security reactivation this meeting and resolve any conflicts with NB-IoT/eMTC CRs after this meeting. |
| Ericsson | As a reply to HW comment, note that there are no explicit agreements from previous meeting on the exact definition of early security activation – early resumption of DRBs together with early security has not been precluded and it is how it is done for EDT cases. However it is not correct that EDT would be available in the general case (i.e. for non-eMTC/NB-IoT UEs) even if the behaviour regarding DRBs would be aligned.  Regardless, now that an agreement has been made during RAN2#109-e related to the 5GC case on resuming DRBs upon *RRCConnectionResume* we would be OK to align these behaviours to prevent even further fragmentation. This would require a revision of the submitted TS 36.331.  We agree with LG that progress should be made during this meeting in order to finalize the discussion related to this topic. |

Conclusion / summary / proposals related to RRC CR: TBD.

### 2.1.2 TS 36.306 CR [R2-2000988](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_109_e/Docs/R2-2000988.zip)

Please provide comments on correctness and possible impacts to other RRC CRs in the table below, also if the CR can be agreed or what changes would be needed to make it agreeable. You may also use the draft version in the draft folder for detailed comments. Note that the intention is to produce agreeable CRs, thus detailed comments are very much welcomed.

|  |  |
| --- | --- |
| **Company** | **Comments (correctness, impacts on other RRC CRs, other suggestions)** |
| Huawei, HiSilicon | we wonder why the new capability has been introduced in section 4.3.15, we think section 4.3.8 would be more appropriate. |
| Ericsson | No strong opinion on the capability location, OK for us to have this in 4.3.8. |

Conclusion / summary / proposals related to TS 36.306 CR: TBD.

## 2.2. Other topics

No other topics are indicated for this offline so far. This is subject to change.

# 3 Summary

TBD

# References

1. xxxx