3GPP TSG-RAN WG2 #114-e electronic R2-210xxxx

Electronic Meeting, 19th – 27th May, 2021

Agenda Item: 8.2.1

Source: Huawei

Title: [AT114-e][230][R17 DCCA] Making progress (Huawei)

Document for: Report and Decision

# 1 Introduction

This contribution is a summary for the following discussion:

**[AT114-e][230][R17 DCCA] SCG deactivation post-meeting email discussion scope (Huawei)**

Scope:

* + - Discuss what to incorporate in the post-meeting email discussion on SCG (de)activation

      Intended outcome:

* + - Discussion summary in [R2-2106505](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106502.zip) (by email rapporteur).

      Deadline for providing comments, for rapporteur inputs, conclusions and CR finalization:

* + - Initial deadline (for company feedback):  2nd week Wed, UTC 1000
    - Initial deadline (for rapporteur summary):  2nd week Thu, UTC 0400

Contact person for each participating company:

|  |  |  |
| --- | --- | --- |
| Company | Name | Email Address |
| Huawei | Huawei | david.lecompte@huawei.com |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# 2 Discussion

## 2.1 UE behaviour upon SCG activation indication

Two options were considered for UE behaviour upon SCG activation indication:

1. Initiate RACH and then resume L1/L2 activities

2. Directly start all L1/L2 activities (listen to PDCCH, transmit SR/BSR, etc.)

Option 1 is anyway required to be supported (e.g. because RACH is needed if TA is not valid.

Option 2 was already largely debated and there is interest by may companies for it but views are highly split on the technical details so that no agreement could be made on any of the details.

The intention of the post-meeting email discussion is to prepare for agreements on option 2 at the next meeting. The rapporteur proposes further that, **if no agreement can be made at the next meeting on option 2 details, option 2 is deprioritised**, as there will not be sufficient time.

The rapporteur has suggested, as a possible progress, to agree either of the two following alternatives:

a) upon reception of the activation indication without reconfigurationWithSyncwhile TA timer is running, the UE decides whether to resume L1/L2 operation without RACH

b) the UE shall resume L1/L2 operation without RACH if instructed to do so in the activation indication

One company commented that both options are not mutually exclusive and the UE could choose. The rapporteur's understanding is that if the UE can chose, it is option a.

Both options could mean that both options are specified and the network configures he option to be used, or the indication says which option applies. Of course, specifying both options is more work so the need for that should be justified.

**Q1: Do you agree that if there is no progress on option 2 at the next meeting, it is deprioritised?**

|  |  |  |
| --- | --- | --- |
| Company | Yes/No | Comments |
| Huawei | Yes | Otherwise, there is too much risk that RAN2 cannot complete "efficient SCG activation/deactivation" in R17. |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Q2: Do you see other alternatives to the above mentioned a/b?**

|  |  |
| --- | --- |
| Company | Comments |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

**Q3: Do you see other point for option 2 for which it may be possible to reach a majority view in an email discussion?**

|  |  |
| --- | --- |
| Company | Comments |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## 2.2 UE-triggered SCG activation

If there are SCG bearers while the SCG is deactivated, it is necessary that the UE can trigger SCG activation in case there are uplink data to be transmitted on an SCG bearer. In this case, the following two options were considered

a) The UE indicates to the MCG that there are uplink data for an SCG bearer

b) The UE initiates RACH to the SCG

The rapporteur suggests deciding at the next meeting which method(s) is (or are) supported when there are uplink data for an SCG bearer while the SCG is deactivated.

**Q3: Do you agree to discuss by email and decide at next meeting which method(s) to support for the case of uplink data arrival on an SCG bearer while the SCG is deactivated?**

|  |  |  |
| --- | --- | --- |
| Company | Yes/No | Comments |
| Huawei | Yes |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Q4: Do you see additional points that could be included in the email discussion?**

|  |  |
| --- | --- |
| Company | Comments |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

# 3 Conclusion

To be updated.

# 4 References