**3GPP TSG RAN WG1 Meeting #101 R1-200xxxx**

**e-meeting, May 25th – June 5th, 2020**

**Agenda Item:** 6.2.1.7

**Source:** Moderator (LG Electronics)

**Title:** FL summary#1 of CE mode A and B improvements for non-BL UEs

**Document for:** Discussion and decision

# **Introduction**

One contribution was submitted in this agenda item for clarification on the DCI format 6-1B for direction indication. This document is to gather inputs from companies on whether the proposed correction is needed and can be recommended for an e-mail discussion during RAN1#101-e meeting.

# **Discussion**

## **Issue #1 Clarification of DCI Format 6-1B for direct indication**

Based on the following agreement in RAN1#99 meeting, both DCI format 6-1A and DCI format 6-1B can be used for direct indication.

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| **Agreement**  The content of the DCI format 6-1A/1B for ETWS/CMAS indication to a non-BL UE in CE in connected mode using Type 0 CSS is as follows:   * Direct indication information (8 bits) with the content left for RAN2 to define in TS 36.331. * All the remaining bits in format 6-1A/1B for ETWS/CMAS indication are set to zeros. |

ZTE’s contribution [1] brought up an issue that the DCI format 6-1B can be used for ETWS/CMAS indication in connected mode when the DCI CRC is scrambled by SI-RNTI and *ce-etws-cmas-config* is configured by higher layers, but in the latest TS 36.212 [2], the description on this function of DCI format 6-1B is missing. Regarding this issue, ZTE also prepared a proposal below adding a text to clarify that the DCI format 6-1B is used for direct indication.

***Proposal 1: The Text Proposal #1 is endorsed. TP to be included in 36.212 editor’s CR.***

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| Text Proposal #1 for TS 36.212 [1]  <Unchanged parts are omitted>  ***5.3.3.1.13 Format 6-1B***  DCI format 6-1B is used for the scheduling of one PDSCH codeword in one cell, notifying SC-MCCH change, operation on preconfigured UL resources, and direct indication.  The following information is transmitted by means of the DCI format 6-1B:  <Unchanged parts are omitted> |

# **Inputs from companies**

Please provide inputs on the issue#1 and the proposal. Inputs on whether the proposed correction is needed and can be recommended for an e-mail discussion will be helpful.

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| Companies | Comments |
| Ericsson | Ok. To us this as an Editorial issue on the opening paragraph of DCI Format 6-1B, because this DCI Format indeed contains direct indication statements for ETWS/CMAS. Thus, in our view we can kindly ask the Editor of TS 36.212 to perform the amendment. |
| ZTE | We think the correction is needed.  If we kindly ask the editor to perform the amendment, it seems we still need a conclusion/agreement. |
| Ericsson v004 | It is just that “, and direct indication” was editorially missed to be appended for first paragraph of DCI Format 6-1B, and not that the direct indication functionality was missed in DCI Format 6-1B.  Basically, what we want to say is that it seems that having an e-mail discussion for this so small issue doesn’t seem to be necessary. Perhaps a conclusion where we kindly request an action to the Editor of TS 36.212 would be a more efficient way to solve the issue. |

# **References**

1. R1-2003794 Clarification of DCI Format 6-1B for direct indication, ZTE
2. 3GPP TS36.212 V16.1.0