**3GPP TSG-RAN WG2 Meeting #110-e R2-20xxxxx**

**Online, 01 – 12 June 2020**

**Title: Draft** LS on UE capability for CGI reporting

**Response to:**

**Release:** Release 16

**Work Item:** [NR\_newRAT-Core](http://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=750167)

**Source:** vivo [TSG RAN WG2]

**To:** RAN4

**Cc:**

**Contact Person:**

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**Attachments:** -

**1. Overall Description:**

RAN2 has further discussed UE capability for CGI reporting and RAN2 has agreed to introduce new UE capabilities as follows:

* **In 38.306**
* ***eutra- CGI-Reporting-NEDC***

Defines whether the UE supports acquisition of relevant information from a neighbouring E-UTRA cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when the NEDC is configured.

* ***eutra- CGI-Reporting-NRDC***

Defines whether the UE supports acquisition of relevant information from a neighbouring E-UTRA cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when the NRDC is configured wherein MN and SN have different DRX cycles, and on-duration configured by MN does not contain on-duration configured by SN.

* ***nr- CGI-Reporting-NEDC***

Defines whether the UE supports acquisition of relevant information from a neighbouring intra-frequency or inter-frequency NR cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when the NE-DC is configured.

* ***nr- CGI-Reporting-NRDC***

Defines whether the UE supports acquisition of relevant information from a neighbouring intra-frequency or inter-frequency NR cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 38.331 [9] when the NR-DC is configured wherein MN and SN have different DRX cycles, or on-duration configured by MN does not contain on-duration configured by SN.

* **In 36.306**
* ***eutra-CGI-Reporting-NEDC-r16***

This parameter defines whether the UE supports acquisition of relevant information from a neighbouring E-UTRA cell by reading the SI of the neighbouring cell and reporting the acquired information to the network as specified in TS 36.331 [5] when the NE-DC is configured.

**2. Actions:**

**To RAN4**

**ACTION:** RAN2 respectfully asks RAN4 to take the RAN2 considerations on CGI reporting into account, and provide feedback, if any.

**3. Date of Next TSG-RAN WG2 Meetings:**

3GPP RAN2#111-e 17 – 28 August 2020 e-meeting