**3GPP TSG-RAN WG3 Meeting # 107- e R3-201378**

**24th Feb - 6th Mar 2020 was R3-200615**

**E-Meeting**

**Agenda item:** 10.2.1.6

**Source:**  ZTE

**Title:** (TP for [NR\_SON\_MDT] BL CR for TS 38.300)Introduce UE history information from the UE

**Document for:** Discussion and Approval

# Introduction

Based on the conclusion of Email discussion -Email026-UErepMobHistory[R3-201129]

**Introduce a new IE: *UE history information from the UE* and capture this for mobility in XnAP and NGAP**

**Capture UE history (both network and UE reported) in stage2**

The corresponding stage2 TP for TS38.300 is provided as below:

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| **\*\*\* First change, ommited text not changed \*\*\*** |

#### 15.X.4 UE History Information from the UE

The source NG-RAN node collects and stores the UE History Information for as long as the UE stays in one of its cells.

The UE may report the UE history information when connecting to a cell of the NG-RAN node.

When information needs to be discarded because the list is full, such information will be discarded in order of its position in the list, starting with the oldest cell record. If the list is full, and the UE history information from the UE is available, the UE history information from the UE should also be discarded.

The resulting information is then used in subsequent handover preparations by means of the Handover Preparation procedures over the NG and XN interfaces, which provide the target NG-RAN node with a list of previously visited cells and associated (per-cell) information elements. The Handover Preparation procedures also trigger the target NG-RAN node to start collection and storage of UE history Information and thus to propagate the collected information.

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| **\*\*\* End of changes\*\*\*** |