**3GPP TSG-RAN WG3 #108-e R3-20xxxx**

**E-meeting, 1 – 11 June 2020**

**Agenda Item: 15.3.1.4**

**Source: NEC**

**Title: (TP for NR\_Mob\_enh BL CR for TS 36.423) Conditional HO Cancel procedure and HO Success procedure in 36.423**

**Document for: discussion**

# **1. Introduction**

As the result of the RAN3#108-e e-mail discussion in **CB: # 39\_MobEnh\_CHOcancel**, agree to add the interactiion desciption same as that for 38.423.

# **2. TP**

# Annex // TP for TS36.423 BLCR (based on R3-202888)

8.2.X Handover Success

8.2.X.1 General

The Handover Success procedure is used during a conditional handover or a DAPS handover, to enable a target eNB to inform the source eNB that the UE has successfully accessed the target eNB.

The procedure uses UE-associated signalling.

8.2.X.2 Successful Operation



Figure 8.2.X.2-1: Handover Success, successful operation

The target eNB initiates the procedure by sending the HANDOVER SUCCESS message to the source eNB.

If late data forwarding was configured for this UE, the source NG-RAN node shall start data forwarding using the tunnel information related to the global target cell ID provided in the HANDOVER SUCCESS message.

When the source eNB receives the HANDOVER SUCCESS message, it shall consider all other CHO preparations accepted for this UE in the target eNB as cancelled and may initiate Handover Cancel procedure towards other candidate target eNBs for this UE, if any.

**Interactions with other procedures**

If a CONDITIONAL HANDOVER CANCEL message was received for this UE prior the reception of the HANDOVER SUCCESS message, the source NG-RAN node shall consider that the UE successfully executed the handover.

8.2.X.3 Unsuccessful Operation

Not applicable.

8.2.X.4 Abnormal Conditions

If the HANDOVER SUCCESS message refers to a context that does not exist, the source eNB shall ignore the message.

//////////////////////////////////////////////////////////////irrelevant operations skipped/////////////////////////////////////////////////////////////////////

### 8.2.Y Conditional Handover Cancel

#### 8.2.Y.1 General

The Conditional Handover Cancel procedure is used to enable a target eNB to cancel an already prepared conditional handover.

The procedure uses UE-associated signalling.

#### 8.2.Y.2 Successful Operation



Figure 8.2.X.2-1: Conditional Handover Cancel, successful operation

The target eNB initiates the procedure by sending the CONDITIONAL HANDOVER CANCEL message to the source eNB. The target eNB shall indicate the reason for cancelling the conditional handover by means of an appropriate cause value.

The *New* *eNB UE X2AP ID* IE and, if available, the *New eNB UE X2AP ID Extension* IE shall be included if they are available.

At the reception of the CONDITIONAL HANDOVER CANCEL message, the source eNB shall consider that the target eNB is about to remove any reference to, and release any resources previously reserved for candidate cells associated to the UE-associated signalling identified by the *Old eNB UE X2AP ID* IE (or the *Old eNB UE X2AP ID Extension* IE if included) and the *New eNB UE X2AP ID* IE (or the *New eNB UE X2AP ID Extension* IE if included).

The *New* *eNB UE X2AP ID* IE and, if available, the *New eNB UE X2AP ID Extension* IE shall be included if they are available.

If the *Candidate Cells To Be Cancelled List* IE is also included, the source eNB shall consider that only the resources reserved for the cells identified by the included ECGI are about to be released.

#### 8.2.Y.3 Unsuccessful Operation

Not applicable.

#### 8.2.Y.4 Abnormal Conditions

Should the CONDITIONAL HANDOVER CANCEL message refer to a context that does not exist, the source eNB shall ignore the message.

If one or morecandidate cells in the *Candidate Cells To Be Cancelled List* IE included in the CONDITIONAL HANDOVER CANCEL message were not prepared using the same UE-associated signaling connection, the source eNB shall ignore those non-associated candidate cells.