3GPP TSG-RAN WG3#126 R3-247787

Orlando, US, 18th – 22nd November 2024

Agenda Item: 11.3

Source: Qualcomm

Title: Summary of Discussion on CB: #AIRAN2\_CCO

Document for: Discussions & Approval

# Introduction

**CB: # AIRAN2\_CCO**

**- Check the WA above**

**- Provide TPs to capture the agreements**

(moderator - QC)

Summary of offline disc [R3-247787](file:///C%3A%5CUsers%5Cgeethapr%5CAppData%5CLocal%5CTemp%5C5d7561a7-bf45-4311-8a89-3b9eb6503dad_RAN3_126_agenda_20241119_1320.zip.dad%5CInbox%5CR3-247787.zip)

# For Chairman’s notes

**Time information for Predicted CCO Issue is a relative time from the time of receiving the gNB-CU Configuration Update message over F1.**

**Time information for future CCO state is a relative time from the time of receiving the gNB-DU Configuration Update message over F1 and NG-RAN node config Update message over Xn**

**FFS on whether to send time information related to coverage modification cause over Xn**

**Time interval for predicted CCO issue and future CCO state can be in the granularity of seconds.**

# 3 Discussion

## 3.1 Time Information

In the online session today, chair captured the WA as

**WA: Introduce time information for predicted CCO issue and future CCO state encoded as Requested Prediction Time IE.**

**Q1**. Do companies agree that time information for predicted CCO issue and future CCO state is a relative time like Requested Prediction Time IE?

Nok: would like to first discuss the scenarios before agreeing on the stage 3 encoding of the IE

E///: Can be relative to the time of sending the Config update message

Nok: OK for relative time for Predicted CCO issue. Problem with Future CCO state being relative is that it has multiple hops (CU to DU, and from CU to other gNBs)

E///: time info should be changed when transferred a between DUs and among Neighbour CUs

**Time information for Predicted CCO Issue is a relative time from the time of receiving the gNB-CU Configuration Update message over F1.**

**Time information for future CCO state is a relative time from the time of receiving the gNB-DU Configuration Update message over F1 and NG-RAN node config Update message over Xn**

**FFS on whether to send time information related to coverage modification cause over Xn**

NEC: it is not the understanding that predicted CCO issue and time information needs to be sent over Xn

E///: No, the source needs to send the time of the predicted CCO issue

**Q2.** What is the time interval acceptable for predicted CCO issue and future CCO state?

Option1 – 1 to 60 seconds

Option 2 – 1 to 3600 seconds

Option 3 – Anything other duration?

**Time interval for predicted CCO issue and future CCO state can be in the granularity of seconds.**

## 3.2 Direction of Predicted CCO Assistance Information over F1

In the online today we agreed the below –

Introducing new IE for Future Coverage Modification List over Xn.

Introducing new IE for Future Coverage Modification Notification over F1.

Introducing new IE for predicted CCO assistance information over F1.

The direction of the information over F1 can be further discussed.

Q3. Introduce new IE predicted CCO assistance information in gNB-CU Configuration Update message over F1 from CU to DU?

Q4. Introduce new IE Future Coverge Modification Notification in gNB-DU Configuration Update message over F1 from DU to CU?

Q5. Is it required to send predicted CCO assistance from DU to CU or future coverage modification notification from CU to DU over F1?