3GPP TSG-RAN WG2 Meeting #116bis electronic R2-220xxxx

Online, January 17-25, 2022

Agenda Item: 8.5.1

Source: Ericsson

Title: Open issues in CP for IIoT

Document for: Discussion, Decision

# 1 Introduction

This contribution is a summary of the outcome of the open issue list discussion:

* [POST116bis-e][513][IIoT] CP open issues (Ericsson)

Scope:

- List of critical open issues to be resolved for WI completion (including UE capabilities)

- Updated CR 38.331 for information and review

NOTE: NO contributions on these critical open issues are expected

Deadline:

- Open issues list Jan. 28th

- Company inputs Feb. 15th

# 2 Summary

The list contains critical issues for the completion of the WI. A separate email discussion will be organized to describe the issues in detail and to collect companies’ view.

There are some further issues described in various submitted 3GPP contributions, but there is no urgent/critical issue for the WI completion. Other remaining issues can be discussed based on company contributions in RAN2#117-e.

Time sync

1. How to trigger the report of UE Rx-Tx time difference measurement for gNB-side PDC, options include: explicit signalling; event-triggered

2. UE-side PDC activation/de-activation signalling details for TA, e.g., the two FFSs in the RAN2#116bis-e

* FFS an explicit indication to only activate UE side TA-based PDC is introduced in SIB or in unicast signalling and what is indicated
* FFS For TA-based PDC, it’s no need to specify PD calculation related contents in RAN2.

3. UE-behavior upon reception of reference timing information in both dedicated signalling and SIB9 (according to the FFS in the Ran2#116bis-e agreements)

* RAN2 confirm the agreement in last meeting that reference time provided in dedicated signaling takes priority. FFS UE behavior when it receives reference time info via dedicated signaling.

4. UE-side PDC activation/deactivation signalling details for RTT, options include: Implication by measurement configuration; Explicit signalling.

NR-U harmonization

None

QoS

None

RAN1

1. Remaining issues from RRC running CR discussion, restricted to only RAN1 parameter list and agreement that may have RRC impacts

General

1. Any critical issues from RRC running CR that have diverging views or have not been technically and thoroughly discussed. To update after RRC running CR discussion

a. RAN1 concludes that for RTT-based PDC, it is assumed that the transmission of DL TRS/PRS, UL SRS and reference time information are associated with a same TRP. FFS: How to capture these in the RRC spec.

2. Remaining UE capabilities (RAN2 only)