[94e-06-R18-PositionEvo] - Version 0.0.1

RAN

3GPP TSG-RAN Meeting #94e   **RP-213486**

Electronic, 6 – 17 December 2021

Agenda Item: 8.6.1

Source: Email discussion moderator (Intel)

Title: Email discussion summary for [94e-06-R18-PositionEvo]

Document for: Discussion and decision

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1   Introduction

This document reports on [94e-06-R18-PositionEvo] that discusses the potential Rel-18 item on positioning evolution.

The pre-RAN#94e email discussion summary can be found in RP-212666 and the draft WID created from that email discussion can be found in RP-212707. The RAN Chair and RAN WG Chairs have prepared a "Summary for RAN Rel-18 Package" in RP-213469. The summary provides TU allocations for the WGs and provides the objectives to be used as a starting point for this discussion - they are based on the outcome of the last email discussion with a few modifications. Furthermore the summary proposes that the work should start with a 9 month study item, in contrast to the pre-meeting email discussion where it was assumed to be a work item with study phases for many of the objectives.

A draft SID has been created based on the draft WID from the last discussion with appropriate changes to make it a study item and with the other changes from the chair's summary. All changes compare to the previous version are shown in revision marks. The WID is stored Inbox/Drafts/[94e-06-R18-PositionEvo]/draft-SID. Please refer to the draft SID in the inbox in order to provide your feedback - the justification and objective text is not copied into this NWM document as revision marks are not supported in NWM. At least in the early rounds of discussion, companies are asked to provide suggested modifications via NWM and not upload their own proposed revisions of the WID - this approach may be changed for later rounds.

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2   Justification Text

2.1   Initial Round

Companies are asked to provide comments and suggestions to the justification text.

Feedback Form 1: Justification Text - Initial Round

3   Sidelink positioning

3.1   Initial Round

Companies are asked to provide comments and suggestions to the objectives on sidelink positioning. The summary document from the RAN Chair added "[unlicensed]" to the spectrum to be considered in the study. This is an aspect for which previous email discussions have not managed to reach consensus but, based on the inclusion in the summary document, we will have another attempt to find an acceptable way forward. A separate feedback form is provided for this discussion of unlicensed.

Feedback Form 2: Inclusion of unlicensed spectrum - Initial Round

Feedback Form 3: Sidelink positioning - Initial Round

4   Improved accuracy, integrity, and power efficiency

4.1   Initial Round

Companies are asked to provide comments and suggestions to the objectives on Improved accuracy, integrity, and power efficiency. A separate feedback form is provides for each of the sub objectives

Feedback Form 4: Integrity for RAT dependent positioning - Initial Round

Feedback Form 5: PRS/SRS bandwidth aggregation - Initial Round

Feedback Form 6: NR carrier phase - Initial Round

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5   Positioning support for RedCap UEs

5.1   Initial Round

Companies are asked to provide comments and suggestions to the objectives on Positioning support for RedCap UEs

Feedback Form 8: RedCap positioning - Initial Round

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6   Other aspects of the SID

6.1   Initial Round

Companies are asked to provide comments and suggestions to any other aspect of the SID. Note that no new positioning enhancements will be discussed for inclusion in the SID at this stage of the process.

Feedback Form 9: Other aspects of the SID - Initial Round