3GPP TSG-RAN WG2 Meeting #109-e R2-2001947

Online, 24 February – 6 March 2020

**Agenda item: 6.8.2.3**

**Source: Huawei, HiSilicon**

**Title: [Offline-622][POS] Summary on uplink capability for positioning**

**Document for: Discussion and Decision**

# 1 Introduction

This document provide the collection of summary for the following offline discussion.

* [AT109e][622][POS] Uplink capability for positioning (Huawei)

 Intended outcome: Summary of agreements on whether/what UL capability is needed at LMF. Summary in R2-2001947.

 Deadline: Wednesday 2020-03-04 1300 CET

# 2 Discussion

## 2.1 Whether UL capability is needed at LMF

In [1], companies provided their views on capabilities to be transferred in LPP for the purpose of positioning. Based on the input, we suggest to discuss whether UL capability is needed at LMF for different positioning method that involves UL.

### Discussion#1: Whether UL capability is needed at LMF for multi-RTT positioning

Companies are encouraged to provide their view on the options or provide other options

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| Company  | Comments |
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### Discussion#2: Whether UL capability is needed at LMF for UL-only positioning

Companies are encouraged to provide their view on the options or provide other options

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| Company  | Comments |
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***Proposal 1:***

## 2.2 Discussion#3: What UL capability is needed at LMF

Companies are encouraged to provide their views for multi-RTT and/or UL-only positioning, if the capability is needed.

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| Company  | Comments |
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***Proposal 2:***

# 3 Conclusions

TBD

# 4 References

1. R2-2000475 UE capability on positioning ([108#85][NR Pos]) Intel Corporation discussion Rel-16 37.355 NR\_pos-Core