**3GPP TSG-RAN WG2 Meeting #126 R2-240xxx**

**Fukuoka, Japan, May 20th – 26th, 2024**

**Agenda item: 4.4**

**Source: Huawei, HiSilicon, Ericsson**

**Title: Summary for [AT126][401][POS] Rel-15 LTE positioning**

**Document for: Discussion and Decision**

# Introduction

During RAN2#126, the following tdocs have been submitted to the agenda 4.4 for LTE Release 15 positioning:

R2-2404749 Correction to mandatory 80ms scheduling offset for positioning SI acquisition Huawei, HiSilicon, Ericsson CR Rel-15 36.306 15.11.0 1885 - F LCS\_LTE\_acc\_enh-Core

R2-2404750 Correction to mandatory 80ms scheduling offset for positioning SI acquisition Huawei, HiSilicon, Ericsson CR Rel-16 36.306 16.12.0 1886 - A LCS\_LTE\_acc\_enh-Core

R2-2404751 Correction to mandatory 80ms scheduling offset for positioning SI acquisition Huawei, HiSilicon, Ericsson CR Rel-17 36.306 17.6.0 1887 - A LCS\_LTE\_acc\_enh-Core

R2-2404752 Correction to mandatory 80ms scheduling offset for positioning SI acquisition Huawei, HiSilicon, Ericsson CR Rel-18 36.306 18.1.0 1888 - A LCS\_LTE\_acc\_enh-Core

In this email discussion, we discuss on the issues have been presented in these papers

# Discussion

During the discussion in R15 LTE for positioning system information broadcast, the following has been adopted for the system information reception in the UE.



During RAN2#125bis, the following CR for NR has been discussed and agreed in principle.

[R2-2403553](file:///C%3A%5CUsers%5Cmtk16923%5CDocuments%5C3GPP%20Meetings%5C202404%20-%20RAN2_125bis%2C%20Changsha%5CExtracts%5CR2-2403553%20capF.docx) Missing Conditionally mandatory features without UE radio access capability parameters for 80ms scheduling offset for positioning SI acquisition Ericsson CR Rel-16 38.306 16.16.0 1087 - F NR\_pos-Core

* Replace “for UEs which support the posSIB types” with “for UEs which support acquisition of the posSIB types”.
* Agreed in principle with this change as R2-2403797, with shadow CRs in R2-2403798 and R2-2403799

For LTE, the proponents of the above papers think the same also needs to be applied since NR and LTE share the common mechanism for positioning SIB broadcast. For this email discusion, we would like to ask the following qustion:

***Question: Do companies agree that LTE should also have clarification for the mandatory without signaling on the 80ms scheduling offset for pos SI msg acquisition?***

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| --- | --- | --- |
| Companies | Yes/No | Comments |
| Lenovo |  | It is acceptable to us to align with NR although we don’t see a stringent need to clarify the support of 80ms scheduling offset for positioning SI message acquisition. We understood that this is already implied by stage 3 description.Further changes to the CRs need to be made:* Coversheet: a redundant dot in meeting dates can be removed; in “Proposed change affects” the RAN box should be unticked; “Clauses affected” should be set to “7.8.2 (new)”.
* Clause 7.8.2: In the name of the new feature there is a typo (letter “i” missing in “Acquisition”).
 |
| CATT | Yes | The NR CR was agreed, and it can apply to LTE for posSIB.  |
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|  |  |  |

# Conclusion

TBD