**3GPP TSG-RAN Meeting # 90-e RP-20XXX**

**Electronic Meeting, December 7-11, 2020**

**Agenda item:** 9.1.4

**Source:** Moderator (Ericsson)

**Title:** Email discussion summary for [90E][10][n67\_WI\_scoping]

**Document for:** Information

# Introduction

The documents intent to capture companies’ comments on the WID on Introduction of band n67 in[**RP-202279**](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_90e/Docs/RP-202279.zip)[1]. This is spectrum related WI.

# Comments on Introduction of band n67

## Topics for discussion

* Sub-topic 1-1: WI objectives
* Sub-topic 1-2: Timeline e.g. number of meetings
* Sub-topic 1-3: Any other issue

## Companies’ views collected

Interested companies to provide comments on the following objectives:

The objective of the core part work item is to specify a new NR SDL operating band n67 and include the core requirements for:

* 5 MHz channel bandwidth and for 15 kHz subcarrier spacing.
* 10, 15 and 20 MHz channel bandwidth and for 15 kHz and 30 kHz subcarrier spacing.

### Sub-topic 1-1: WI objectives

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| **Company** | **Comments** |
| Huawei | Support the objectives listed in the WID. |
| ZTE | As n67 is below 1GHz, it’ s not likely that AAS based BS could be supported, therefore related spec e.g. 38.141-2 and 37.105/37.145-1/37.145-2 should be removed. |
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### Sub-topic 1-2: Timeline e.g. Number of meetings

The target completion date is RAN#92 (2 quarters)

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| **Company** | **Comments** |
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### Sub-topic 1-3: Any other issue

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| **Company** | **Comments** |
| Huawei | There is a typo of “NT band n67” in the justification part.  Editorial suggestion, it would be better to clearly mention the frequency range of band n67 in the WID. |
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## Initial summary of discussion

Based on comments received from two companies and no opposition, it seems this WI can be approved with few updates. One minor comment is to state the exact frequency range (738-758 MHz) in the objectives.

One main issue is that one company wants to remove the AAS specs arguing that n67 is sub-1 GHz band and not likely to support AAS. Whether AAS specs needed for co-location/coexistence requirements need further discussion in the next round.

## Topics for discussion in 2nd round

* Sub-topic 1-4: Inclusion of AAS specs

## Companies’ views collected in the 2nd round

### Sub-topic 1-4: Inclusion of AAS specs

Do we need to include AAS specs (TS 37.105, 37.145-1 and 37.145-2) in the WI?

* Option 1: Yes
* Option 2: No

Please also elaborate the reason.

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| **Company** | **Comments** |
| Ericsson | Option 1: yes, we need to update the AAS specifications to include co-location/co-existence requirements, as it was done for GSM, for other E-UTRA/NR bands below 1 GHz (e.g. n5 and even E-UTRA band 67).  Note that 38.141-2 shall also be updated for the exact same reason. |
| ZTE | With Ericsson’s clarification, we are fine for option 1, however requirement should be only limited to co-location/co-existence requirements, just to clarify that AAS based BS is not supported for n67 based on ITU-R Rely LS R4-200892. |
| Huawei | The clarification by Ericsson makes sense and also agree with ZTE that the requirements should be limited to co-location/co-existence only. |
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# References

1. RP-202279 Introduction of band n67 Ericsson