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

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

**Agenda item:** 9.7.1

**Source:** Moderator (Ericsson)

**Title:** Email discussion summary for [90E][23][ 6GHZ\_regulatory\_TR]

**Document for:** Information

# Introduction

The documents intent to capture companies’ comments on documents related to the SI on Feasibility Study on 6 GHz for LTE and NR in Licensed and Unlicensed Operations [1-6]. This is spectrum related RAN level SI.

# Comments on Feasibility Study on 6 GHz for LTE and NR in Licensed and Unlicensed Operations

## Topics for discussion

* Sub-topic 1-1: Extension of SID ([**RP-202271**](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_90e/Docs/RP-202271.zip))
* Sub-topic 1-2: Regulatory updates ([**RP-202272**](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_90e/Docs/RP-202272.zip)**)**
* Sub-topic 1-3: TP to TR ([**RP-202274**](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_90e/Docs/RP-202274.zip))
* Sub-topic 1-4: TP to TR ([**RP-202582**](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_90e/Docs/RP-202582.zip))
* Sub-topic 1-5: Any other issue

## Companies’ views collected

### Sub-topic 1-1: SID extension ([RP-202271](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_90e/Docs/RP-202271.zip))

Agree to extend the SI until June 2021?

Option 1: Yes

Option 2: No

In case of option 2 please provide reason.

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| **Company** | **Comments** |
| Huawei | Option 1.  We are OK to extend 6 months. |
| ZTE | Fine with option 1 to extend 6 months |
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### Sub-topic 1-2: Regulatory updates ([RP-202272](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_90e/Docs/RP-202272.zip))

Please provide comments if any on [**RP-202272**](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_90e/Docs/RP-202272.zip) (Ericsson).

Note: This document is only for information.

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| **Company** | **Comments** |
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### Sub-topic 1-3: TP to TR ([RP-202274](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_90e/Docs/RP-202274.zip))

Please provide comments if any on [**RP-202274**](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_90e/Docs/RP-202274.zip) (Ericsson).

Note: This TP is for approval.

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| **Company** | **Comments** |
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### Sub-topic 1-4: TP to TR (**[RP-202582](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_90e/Docs/RP-202582.zip)**)

Please provide comments if any on [**RP-202582**](https://www.3gpp.org/ftp/TSG_RAN/TSG_RAN/TSGR_90e/Docs/RP-202582.zip) (Apple).

Note: This TP is for approval.

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| **Company** | **Comments** |
| Huawei | We have concern on the added wording in section 4.1.1.2.  “*It is unnecessary to document what CEPT is NOT doing in the 3GPP TR. If in the future CEPT discuss it, what should we do, removing the sentence from TR? The sentence is misleading*.”  The wording looks incorrect:  “*It is noted that WRC-2023 Agenda Item 1.2 does not address licensing*”  WRC-23 Agenda Item 1.2 is IMT, which is clearly for licensed usage, and the parameters for sharing studies provided by 3GPP are NR based.  “*There have been no discussions within CEPT on possible licensed IMT operation in 6425-7125 MHz*”  CEPT has initiated the studies towards WRC-23 AI 1.2 which is for licensed IMT.  “*no CEPT Administration has licensed this frequency range for mobile*.”  In CEPT countries, this band is allocated to Mobile Service on a primary basis, so Mobile Service has the right to deploy.  In sum, we propose to remove that sentence. |
| Ericsson | Section 4.1.1.1: *“According to EFIS there are a number of CEPT…”*  Do we really need this (sentence + table)? Also, this statement is valid from 5925 to 7145 MHz…  Section 4.1.1.2: *“There have been no discussions within CEPT on possible licensed IMT…”*  This is subjective statement: no meeting minute mentions this, that’s true but we don’t know if this was never discussed within CEPT. It’s better to remove this sentence.  Section 4.1.1.2: *“It is noted that WRC-2023 Agenda Item 1.2 does not address licensing”*  This is not true, Agenda Item 1.2 addresses IMT and, for a very large part, licensed is included in IMT.  Section 4.1.1.3 last paragraph: *“ETSI BRAN Technical Report 103 631 [27] described the technical parameters of unlicensed services in the 6.725 – 7.125 GHz frequency range.”*  We propably don’t need this anymore here with the additional text above as it was added before with the proposed udpate (“*Furthermore, ETSI published TR 103 631 [27] providing information on the in…”)*  Section 4.1.1.3.1b: Actually, this section is not missing in the clean version but a CR/LF control character was missing so, the text is in the TR but it’s not visible as a new section…  Section 4.1.1.3.1c: This text seems to be copied from CEPT Report 075 conclusions, it might be better to only summarize those conclusions and refer to the Report for more details…  Section 4.1.13.1d: This text seems to be copied from ECC Decision, it’s probably better to summarize the main outcomes of the Decision and then refer to the Decision for more details… Our proposed TP is similar but has a different structure, highlighting possible operation and device category in plain text, while the associated limits are captured in separate tables. |
| ZTE | There have been no discussions within CEPT on possible licensed IMT operation in 6425-7125 MHz and no CEPT Administration has licensed this frequency range for mobile. It is noted that WRC-2023 Agenda Item 1.2 does not address licensing.  ZTE: WRC-23 Agenda Item 1.2 is allocated for IMT, this is clearly for licensed usage, therefore we disagree with last sentence.  In addition, we also disagree that there are no discussions in CEPT for WRC-23 agenda 1.2 for 6425-7125MHz . |
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### Sub-topic 1-5: Any other issue

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| **Company** | **Comments** |
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## Initial summary of discussion

* There is consensus to extend the SI for another 6 months i.e. until June 2021. Revised SID in RP‑202798 can be approved.
* RP-202272 for information can be noted.
* Contents of TP in RP-202274 were merged into TP in RP-202582. Therefore, RP-202274 can be noted and RP-202582 will be revised.

In the second round the merged TP (updated RP-202274), which is already in the draft folder, can be further discussed.

# References

1. RP-202270 Status Report for SI Feasibility Study on 6 GHz for LTE and NR in Licensed and Unlicensed Operations Ericsson
2. RP-202271 Revised SI Feasability Study on 6 GHz for LTE and NR in Licensed and Unlicensed Operations Ericsson
3. RP-202272 Regulatory updates on 5.925-7.125 GHz frequency range Ericsson
4. RP-202273 TR 37.890 v0.9.0 on Feasibility Study on 6 GHz for LTE and NR in Licensed and Unlicensed Operations Ericsson
5. RP-202274 TP to TR 37.890 capturing latest updates Ericsson
6. RP-202582 Regulatory status update for the 6GHz frequency range Apple Inc.