

**Email discussion summary for [93-e-09-6GHz-TR] - Version 0.0.6**  
**RAN**

**3GPP TSG RAN Meeting #93-e**

**RP□212549**

**Electronic Meeting, September 13-17, 2021**

**Agenda item:** 9.2.1

**Source:** Moderator (Ericsson)

**Title:** Email discussion summary for [93-e-09-6GHz-TR]

**Document for:** Information

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## 1 Introduction

The document contains discussion related to the 6 GHz SI under AI 9.2.1:

The document contains the following four main sub-topics:

- Sub-topics #1-1-1 and 1-1-2: Regulatory updates

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## 2 Topic # 1: 6 GHz SI

### 2.1 Companies' contributions summary

**Table 1: List of companies' contribution on 6 GHz SI**

<b>T-doc number</b>	<b>Title</b>	<b>Company</b>
RP-211928	Status Report for SI Feasibility Study on 6 GHz for LTE and NR in Licensed and Unlicensed Operations	Ericsson
RP-211929	TR 37.890 v0.13.0 on Feasibility Study on 6 GHz for LTE and NR in Licensed and Unlicensed Operations	Ericsson
<u>RP-211930</u>	TP to TR 37.890 capturing latest updates	Ericsson
<u>RP-212299</u>	Regulatory update for the 6GHz frequency range	Apple

## 2.2 Initial Round

### 2.2.1 Open issues in initial round

#### 2.2.1.1 Sub-topic 1-1-1: RP-211930: TP to TR 37.890 capturing latest updates

Please provide comments, if any, on RP-211930, which is for approval. The TP is intended to be included in the TR 37.890.

#### **Feedback Form 1: TP in RP-211930**

#### 2.2.1.2 Sub-topic 1-1-2: RP-212299: TP to TR 37.890 on Regulatory update for the 6GHz frequency range

Please provide comments, if any, on TP in RP-212299, which is for approval. The TP is intended to be included in the TR 37.890.

#### **Feedback Form 2: TP in RP-212299**

##### **1 – Ericsson Limited**

EN 303 687 is already listed in last bullet of 4.1.1.1a.

We also have a TP for this TR and propose to merge both TPs then.

A draft merged version is already available in: [https://www.3gpp.org/ftp/tsg\\_ran/TSG\\_RAN/TSGR\\_93e/Inbox/Drafts/509-6GHz-TR%5D/Documents/Revised%20RP-211930\\_TP%20to%20TR%2037.890%20Latest%20updates\\_clean.docx](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_93e/Inbox/Drafts/509-6GHz-TR%5D/Documents/Revised%20RP-211930_TP%20to%20TR%2037.890%20Latest%20updates_clean.docx)

##### **2 – Apple GmbH**

We do fully agree that it makes sense to merge two TPs because they contain similar information, at least concerning the EU/CEPT region. If EN 303 687 is already listed in last bullet of 4.1.1.1a, then there is no need, at least for now, to create a new sub-clause.

##### **3 – Nokia France**

Thank you for merging these proposals.

One comment on the text for Saudi Arabia: it should be clarified that the 1W power is subject to light licensing as proposed by the ongoing consultation of 22nd of August.

#### **4 – Huawei Technologies Sweden AB**

Merged TP approach is supported. For 1930-based content: one editorial comment to table headings 4.1.1.3.1d-1 and 4.1.1.3.1d-2: those shall also include reference to the ECC decision, as their content is not RAN4 derived.

### 2.2.2 Outcome of initial round

#### 2.2.2.1 Sub-topic 1-1-1: RP-211930: TP to TR 37.890 capturing latest updates

It is agreeable to pursue the revision of this TP which includes also contents of RP-212299. Please comment if you do not agree with the decision. No response means decision is OK.

#### **Feedback Form 3: Decision on RP-211930: Revision of RP-211930 to be discussed further in next round**

#### 2.2.2.2 Sub-topic 1-1-2: RP-212299: TP to TR 37.890 on Regulatory update for the 6GHz frequency range

It is agreeable to note this TP and merge it with RP-211930. This TP (RP-212299) will not be pursued. Please comment if you do not agree with the decision. No response means decision is OK.

#### **Feedback Form 4: Decision on RP-212299: Not pursued.**

### 2.3 Intermediate round

#### 2.3.1 Open issues in intermediate round

Sub-topic 1-1-1: Revision of RP-211930: TP to TR 37.890 capturing latest updates

Proponent of RP-211930 please further update the TP taking into account initial round comments and upload the draft in the following document folder:

Directory Listing /ftp/TSG\_RAN/TSG\_RAN/TSGR\_93e/Inbox/Drafts/[93e-09-6GHz-TR]/Documents (3gpp.org)

Interested companies please provide comments below on the updated draft during the intermediate round:

#### **Feedback Form 5: Revised RP-211930**

#### **1 – Nokia France**

Overall, we consider that this TR should only capture published regulations, not a running commentary on the status of consultations prior to regulatory publications.

Hence it is premature to include the text updates proposed for Saudi Arabia and Mexico (and, in our un-

derstanding, the text on CICT is not fully correct, as the consultation was opened on 10th June (and closed on 26th July), but the outcomes have not yet been published; hence in terms of conclusions it has similar status as the further consultation on light licensing that was opened on 22nd August.)

We can agree to the other updates, and revisit Saudi Arabia and Mexico later.

### 2.3.2 Outcome of intermediate round

Sub-topic 1-1-1: Revision of RP-211930: TP to TR 37.890 capturing latest updates

No consensus on the text of the TP. Further discuss and fine tune the TP

## 2.4 Final round

### 2.4.1 Open issues in final round

Sub-topic 1-1-1: Revision of RP-211930: TP to TR 37.890 capturing latest updates

Proponent of RP-211930 please further update the TP taking into account the comments during the intermediate round and upload the draft in the document folder.

Interested companies please provide comments below on the updated draft during the final round:

#### **Feedback Form 6: Comments on Revised RP-211930**

##### **1 – Nokia France**

[https://www.3gpp.org/ftp/tsg\\_ran/TSG\\_RAN/TSGR\\_93e/Inbox/Drafts/%5B93e-09-6GHz-TR%5D/Documents/Draft%20212575\\_TP%20to%20TR%2037.890%20Latest%20updates\\_v3.docx](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_93e/Inbox/Drafts/%5B93e-09-6GHz-TR%5D/Documents/Draft%20212575_TP%20to%20TR%2037.890%20Latest%20updates_v3.docx) is OK for us. Thank you.

##### **2 – Huawei Technologies Sweden AB**

As already commented offline, we are fine with the suggested text on Saudi Arabia consultations. One editorial suggestions was to remove "some" from the second statement:

*"On 22nd of August 2021, CICT opened a further consultation [51] on identifying ~~some~~ WLAN bands for usage under operating under a Light Licensing regime including the 6 GHz band for high power."*

##### **3 – Nokia France**

We are also fine with v4.

### 2.4.2 Outcome of final round

The final version of the TP in RP-212575 (Revision of R4-211930) is acceptable to all the companies.

No further discussion is needed. TP in RP-212575 can be approved and implemented in the SI TR.

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### 3 Recommendations for Tdocs

#### 3.1 Initial round

**Table 2: Status of tdocs after initial round**

<b>Tdoc number</b>	<b>Title</b>	<b>Source</b>	<b>Recommendation</b>	<b>Comments</b>
RP-211928	Status Report for SI Feasibility Study on 6 GHz for LTE and NR in Licensed and Unlicensed Operations	Ericsson	Return To	
RP-211929	TR 37.890 v0.13.0 on Feasibility Study on 6 GHz for LTE and NR in Licensed and Unlicensed Operations	Ericsson	Return To	
<u>RP-211930</u>	TP to TR 37.890 capturing latest updates	Ericsson	Revised	
<u>RP-212299</u>	Regulatory update for the 6GHz frequency range	Apple	Merged	Merged with RP-211930

#### 3.2 Intermediate round

**Table 3: Status of tdocs after intermediate round**

<b>Tdoc number</b>	<b>Title</b>	<b>Source</b>	<b>Recommendation</b>	<b>Comments</b>
RP-212575 (Rev R4-211930)	TP to TR 37.890 capturing latest updates	Ericsson, Apple	Return to	


### 3.3 Final round

**Table 4: Status of tdocs after final round**

<b>Tdoc number</b>	<b>Title</b>	<b>Source</b>	<b>Recommendation</b>	<b>Comments</b>
RP-212575 (Rev R4-211930)	TP to TR 37.890 capturing latest updates	Ericsson, Apple	Approved	

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## 4 Final status of all Tdocs

**Table 5: Final status of tdocs after all rounds**

<b>Tdoc number</b>	<b>Title</b>	<b>Source</b>	<b>Recommendation</b>	<b>Comments</b>

RP-211928	Status Report for SI Feasibility Study on 6 GHz for LTE and NR in Licensed and Unlicensed Operations	Ericsson	Noted	Completion level=92%
RP-211929	TR 37.890 v0.13.0 on Feasibility Study on 6 GHz for LTE and NR in Licensed and Unlicensed Operations	Ericsson	Approved	Includes approved TP in RP-212575
<b><u>RP-211930</u></b>	TP to TR 37.890 capturing latest updates	Ericsson	Revised	Revised to RP-212575
<b><u>RP-212299</u></b>	Regulatory update for the 6GHz frequency range	Apple	Merged	Merged with <b><u>RP-211930</u></b>
RP-212575	Regulatory update for the 6GHz frequency range	Ericsson, Apple	Approved	