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| **32nd Meeting of Working Party 5D Armação dos Búzios, Brazil,** **9 - 17 July 2019** |  |
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| Source: Document 5D/TEMP/809 | **8 October 2019** |
| **English only** |
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| Working Party 5D | |
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| Information on ITU-R Working Party 5D Workshop on IMT-2020  Terrestrial Radio Interfaces Evaluation  (10-11 December 2019) | |
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**1 Background**

Following the IMT-2020 developing process “Submission/Reception of the RIT and SRIT proposals and acknowledgement of receipt” in accordance with Document [IMT-2020/2(Rev.2)](https://www.itu.int/md/R15-IMT.2020-C-0002/en), ITU-R Working Party (WP) 5D started the evaluation process for Independent Evaluation Groups (IEGs) as of its 31st meeting in Oct. 2018, in conjunction with the ongoing IMT-2020 development under Step 3 and Step 4 of the IMT-2020 process.

Working Party 5D has received, at its July 2019 meeting, several candidate technology submissions for IMT-2020 from six proponents, under Step 3 of the IMT-2020 developing process.

**WP 5D will hold a workshop on IMT-2020, focusing on the evaluation of the candidate terrestrial radio interfaces at its 33rd meeting taking place December 2019 in Geneva, at which interim evaluation reports are expected.** This will help the IEGs understand the details of the proposed candidate technologies, and interact amongst themselves as well as other WP 5D participants. This workshop is a continuation of the previous one on IMT-2020 held in 2017, Munich, which addressed the process, requirements, and evaluation criteria for IMT-2020 as well as views from proponents on the developments of IMT-2020 radio interfaces and activities of the IEGs.

**2 Objectives**

The objectives of the workshop are as follows;

– to promote information sharing on IMT-2020;

– to facilitate dialogue within ITU-R WP 5D and amongst the proponents as well as the evaluation groups; and in particular;

* to review the final submissions of the proposed RITs/SRITs for IMT-2020;
* to review the evaluation results reported by the IEGs at this stage;
* to review the WP 5D template which will be used to summarise evaluation results for each IEG;
* to present the details of the proposed RITs/SRITs including self-evaluation results and detailed evaluation methods by the proponents;
* to introduce the evaluation activities and future plans of the IEGs,; and
* to review the outcome WRC-19 and its implication on IMT-2020 evaluations and further development.

**3 Program**

Please refer to the draft program of the Workshop in *Attachment 1.*

**4 Schedule**

The workshop will run from the 10th to 11th of December 2019 in conjunction with the 33rd meeting of WP 5D. *Please refer to Attachment 2 for the anticipated high level time plan of the workshop and the WP 5D meeting*.

In addition, in the course of meeting #33, the IEGs and proponents may wish to participate in the discussions in certain sessions of Working Party 5D meeting on Thursday and Friday.

**5 Participants**

WP 5D delegates, representatives from the proponents of the RITs/SRITs and representatives of the registered independent evaluation groups.

**6 Workshop convener**

The convener of the workshop is Mr. Yoshino HONDA, Contact details are in Section 11.

**7 Critical deadlines**

The following deadlines are established to facilitate the arrangements of the workshop programme and to permit the convener to finalize the workshop organization and time allocations to the speakers.

* Workshop Opening: 10 December 2019
* Convener provides consolidated workshop materials: 3 December 2019
* **Final presentation ready materials to convener: 25 November 2019**
* **Request to present to convener (copy to SG 5 Counsellor): before 15 November 2019**

**8 Language**

The workshop will be conducted in English only.

**9 Registration**

**9.1** *Participants Registered for the WP 5D Meeting*

A separate registration for the workshop is not required for participants who registered for the 33rd meeting of WP 5D.

**9.2** *Participants NOT permitted to register for the WP 5D Meeting*

Participants not registered for the WP 5D Meeting (i.e. non-members of ITU-R / Study Group 5) must separately register for the workshop **before 3 December 2019**.

*The registration form (included in Section 11) may also be found here (*[*https://www.itu.int/en/ITU-R/study-groups/rsg5/rwp5d/imt-2020/Pages/submission-eval.aspx*](https://www.itu.int/en/ITU-R/study-groups/rsg5/rwp5d/imt-2020/Pages/submission-eval.aspx)*)*

Additionally, participants specifically from RIT/SRIT proponents or registered Independent Evaluation Groups who register for the workshop will be able to join the WP 5D meeting #33 as invited guests in the related sessions, in accordance with the provisions of Resolution ITU-R 9-5.

**10 Additional information**

The workshop information will be appropriately communicated and/or updated on the WP 5D webpage *(*[*https://www.itu.int/en/ITU-R/study-groups/rsg5/rwp5d/imt-2020/Pages/submission-eval.aspx*](https://www.itu.int/en/ITU-R/study-groups/rsg5/rwp5d/imt-2020/Pages/submission-eval.aspx)*)*.

**11 Contact & Registration Form**

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| **Workshop Convener:**  Mr. Yoshino Honda | **Email:** [yoshio.honda@ericsson.com](mailto:yoshio.honda@ericsson.com) |
| **Counsellor, ITU-R SG 5:** Mr. Sergio Buonomo | **Email:** [sergio.buonomo@itu.int](mailto:sergio.buonomo@itu.int) |

Registration form (for non-members of ITU-R / Study Group 5):



**Attachment 1**

**Draft Program of the Workshop**

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|  | **Registration** |
| **10 mins** | **Opening remarks by convenor** |
| Session 1 | **Presentations by IMT-2020 RIT/SRIT proponents** |
| 55 mins | Presentations by IMT-2020 RIT/SRIT proponents (e.g. the introduction of technical characteristics according to final submission, the self-evaluation results and detailed evaluation method, and submission templates, etc.) |
| 15 mins | *Q & A for each proponent in Session 1* |
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| **Session 2** | **Presentations by registered independent evaluation groups** |
| **150 mins** | Presentations by the registered independent evaluation groups (e.g. evaluation activities of RIT/SRIT, interim evaluation progress, useful experiences, tools, and future plans, etc.) |
| **50 mins** | *Q & A for each IEG in Session 2* |
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| **Session 3** | **Joint Workshop/SWG Evaluation/SWG Coordination Session** |
| **150 mins** | Focus on detailed interim evaluation reports and WP 5D/IEG/Proponent Q&A |
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| **10 mins** | **Wrap up and Closing** |
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Note 1: The program and time schedule are subject to change.

Note 2: The program of sessions 1 and 2 would be based on number of requests for presentation from the interested bodies.

Note 3: For planning purposes: Session 1 presentations are anticipated to be ~ 10 mins each as the submission details have already been received by WP 5D and the IEGs. Session 2 presentations are anticipated to be ~ 20 mins each. Session 1 and Session 2 will have separate Q & A sessions outside of the presentation time slots*. Individual presentation slot time may be extended/allocated as the program evolves as indicated in Note 2 and the deadlines in Section 7 above.*

**Attachment 2**

**Anticipated High Level Time Plan of Workshop and WP 5D Meeting #33**

**TUESDAY 10 DECEMBER (Day 1)**

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| **Time** | **Room Popov** |
| 08:00-onward | REGISTRATION |
| Period 1 **09:30-10:45** | **PLENARY**  ***including***  **WG TECHNOLOGY ASPECTS** |
| 10:45-11:15 | **Coffee break** |
| Period 2  **11:15-12:30** | *OPENING OF WORKSHOP*  ***WORKSHOP - Session 1 & 2 (1H15)*** |
| **LUNCH** |  |
| Period 3 14:00-15:15 | ***WORKSHOP - Session 1 & 2 (1H15)*** |
| 15:15-15:45 | **Coffee break** |
| Period 4 15:45-17:00 | ***WORKSHOP - Session 1 & 2 (1H15)*** |
| **Period 5**  17:30–19:00 | ***WORKSHOP - Session 1 & 2 (1H30)***  *(as needed)* |

**WEDNESDAY 11 DECEMBER (Day 2)**

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| **Time** | **Room Popov** |
| Period 1 09:00-10:15 | **Joint WORKSHOP - Session 3 & SWG Evaluation/SWG Coordination Session (1H15)**  Focus on detailed interim evaluation reports and WP 5D/IEG/Proponent Q&A  *Note: The SWGs in session at Meeting #33 could be*  *SWG Evaluation, SWG Coordination, or SWG IMT-Specifications.* |
| 10:15-10:45 | **Coffee break** |
| Period 2 10:45-12:15 | **Joint WORKSHOP - Session 3 & SWG Evaluation/SWG Coordination Session (1H15)**  Focus on detailed interim evaluation reports and WP 5D/IEG/Proponent Q&A  *WRAP UP AND CLOSING OF WORKSHOP* |
| **LUNCH** |  |
| Period 3 14:00-15:15 | **SWG Evaluation (& SWG Coordination)**  (Proponents & IEGs registered for Workshop or WP 5D Meeting are invited to attend)  Review and Step 3 decision of received additional materials from  ETSI (TC DECT) and DECT Forum, [5D/1299](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=R15-WP5D-C-1299); Nufront, [5D/1300](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=R15-WP5D-C-1300); TSDSI [5D/1301](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=R15-WP5D-C-1301)  for section 4.3 of IMT-2020/YYY documents, based on their submissions on 10 September 2019 |
| 15:15-15:45 | **Coffee break** |
| Period 4 15:45-17:00 | **SWG Evaluation (& SWG Coordination)**  (Proponents & IEGs registered for Workshop or WP 5D Meeting are invited to attend)  Review and Step 3 decision of received additional materials from  ETSI (TC DECT) and DECT Forum, [5D/1299](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=R15-WP5D-C-1299); Nufront, [5D/1300](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=R15-WP5D-C-1300); TSDSI [5D/1301](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=R15-WP5D-C-1301)  for section 4.3 of IMT-2020/YYY documents, based on their submissions on 10 September 2019 |
| Period 5 17:30-19:00 | **Joint Session**  **SWG Coordination & SWG Evaluation**  (Proponents & IEGs registered for Workshop or WP 5D Meeting are invited to attend)  Collect the intention of evaluations for certain candidate IMT-2020 technologies and decide next steps  Updating of history documents for evaluation reports  Updating of IMT-2020/6 R3; /26; /17 (DECT)  Updating of IMT-2020/12; /27; /18 (Nufront)  Updating of IMT-2020/7 R3; /28; /19 (TSDSI) |

**THURSDAY 12 DECEMBER (Day 3)** (Proponents & IEGs registered for Workshop or WP 5D Meeting are invited to attend)

Period 1: 9:00 – 10:15 *Technology Work* (1H15)

10:15 – 10:45 Coffee Break

Period 2: 10:45 – 12:00 *Technology Work* (1H15)

12:00 – 14:00 Lunch

Period 3: 14:00 – 15:15 *Technology Work* (1H15)

15:15 – 15:45 Coffee Break

Period 4: 15:45 – 17:00 *Technology Work* (1H15)

**FRIDAY 13 DECEMBER (Day 4)** (Proponents & IEGs registered for Workshop or WP 5D Meeting are invited to attend)

Period 1: 9:00 – 10:15 *Technology Work* (1H45)

10:15 – 10:45 Coffee Break

Period 2: 11:30 – 12:30 **Technology WG Plenary** (1H00)

12:30 – 14:30 Lunch

Period 3: 14:30 – 16:00 **Closing Plenary** (1H30)

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