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| **Radiocommunication Study Groups** |  |
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| Source: Document 5D/TEMP/453 | **Revision 1 to Document IMT-ADV/30-E** |
| **13 February 2018** |
| **English only** |
| Working Party 5D | |
| Schedule for revision 4 update of Recommendation ITU-R M.2012 | |
| Schedule for Revision 4 of Recommendation ITU‑R M.2012 “Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications‑Advanced (IMT‑Advanced)” | |

Scope

This document provides information on the detailed schedule and associated dates for the Revision 4 of Recommendation ITU-R M.2012 “*Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-Advanced (IMT‑Advanced)”.*

References

**Recommendation** [**ITU-R M.2012**](http://www.itu.int/rec/R-REC-M.2012/en) “*Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-Advanced (IMT-Advanced)”*

[**Document IMT-ADV/2 (Rev.1)**](https://www.itu.int/md/R07-IMT.ADV-C-0002/en)*“Submission and evaluation process and consensus building”*.

[**Document IMT-ADV/24 (Rev.3)**](https://www.itu.int/md/R07-IMT.ADV-C-0024/en) “*Process and the use of Global Core Specification (GCS), References and related certifications in conjunction with Recommendation ITU-R M.2012”*.

[**Document IMT-ADV/25 (Rev.2)**](https://www.itu.int/md/R07-IMT.ADV-C-0025/en)“*Procedure for the development of draft revisions of Recommendation ITU-R M*.*2012”.*

**Circular Letter 5/LCCE/2 Addendum 5**. Circular Letter 5/LCCE/2 may be accessed at <http://www.itu.int/md/R00-SG05-CIR-0002/en>.

# I Procedure to be utilized in the development of the Revision

The procedure outlined in Document IMT-ADV/25(Rev.2) “*Procedure for the development of draft Revisions**of Recommendation ITU-R M.2012”* applies to the development of this Revision 4.

In conjunction with that generic procedure, it is necessary, for each specific Revision to assign a specific schedule and dates to the timelines and actions/activities presented in the Document IMT‑ADV/25(Rev.2), which is accomplished by this Document IMT-ADV/30.

# II Baseline document to be used for the Revision 4

The baseline document to be used for the Revision 4 is the published version of Recommendation ITU-R M.2012-3 “Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-Advanced (IMT-Advanced)”.

**III General schedule aspects for the Revision 4 of Recommendation ITU-R M.2012**

For the Revision 4 of RecommendationITU-R M.2012 a completion date of the Working Party 5D meeting #32, currently planned for July 2019, has been chosen[[1]](#footnote-1).

The initial announcement of the Revision 4 was indicated in a liaison to the relevant External Organizations from the 3 - 11 October 2017 meeting #28 of WP 5D.

The detailed timeline for the Revision 4 of Recommendation ITU-R M.2012 was developed based the currently planned/anticipated schedule of meetings for WP 5D and Study Group 5 through the 2018 and 2019 time frame. Confirmed meeting dates of WP 5D for 2018 and 2019 will be published on the ITU website (<http://www.itu.int/events/upcomingevents.asp?sector=ITU-R&lang=en>). Due consideration was given towards coordinating with the understood planned dates of the relevant External Organizations to the extent they were known.

WP 5D announces that the first formal meeting in the meeting cycle (*“Meeting Y”*) of the update for Revision 4 of Recommendation ITU-R M.2012 will be WP 5D meeting #29, which is scheduled for 31 January - 7 February 2018. This establishes the first action point for the relevant External Organizations to interface with WP 5D on the Revision 4.

# IV High level schedule for the Revision 4 for New Technology Proposals for Recommendation ITU-R M.2012[[2]](#footnote-2)

Document IMT-ADV/25(Rev.2), section 2 outlines the specific process and associated timeline for new technology proposals for RecommendationITU-R M.2012. When a new RIT or SRIT is proposed by an ***RIT/SRIT Proponent***, the proposal will follow the process for IMT-Advanced as defined in Document IMT-ADV/2(Rev.1), specifically:

The process will begin at Step 3 (“Submission/reception of the RIT and SRIT proposals and acknowledgement of receipt”). Documents IMT-ADV/2(Rev.1), and Reports ITU-R M.2133 (2008), ITU-R M.2134 (2008), ITU-R M.2135-1 (2009), will apply. For timing purposes, the meeting at which the new proposal is submitted will be considered “Critical Milestone (1)”, the proposal deadline meeting, as defined in the Schedule of Document IMT-ADV/2 (Rev.1) in Figure A2‑1. Within the process as outlined in Figure A2-1 the specific dates of the schedule will be appropriately decided respecting the steps of the process (approximately four meetings from “Critical Milestone (1)” to the finalization of Step 7 of the process in Document IMT‑ADV/2(Rev.1).

In Step 8, Document IMT-ADV/24 (Rev.3) (“Process and the use of Global Core Specification (GCS), references, and related certifications in conjunction with Recommendation ITU-R M.2012”) will apply. The completion of Step 8 will be synchronized with the recurring update of Recommendation ITU-R M.2012. Consequently, after successful completion of Step 7, the new technology can enter the revision cycle for Recommendation ITU-R M.2012 at Y+2A or as late as Y+2B as outlined in Table 1for inclusion in the current planned Revision.

While new technology proposals can be submitted to WP 5D at any time, however, for the Revision 4 to be able to consider new technology proposals for inclusion into the Revision 4 release, WP 5D has established a high level schedule for the major aspects of a new technology submission and its consideration by WP 5D under the process indicated in IMT-ADV/25 (Rev.2). This high level schedule is provided immediately below:

High level schedule for New Technology proposals for Revision 4[[3]](#footnote-3)

In the case of a new technology proposal having been received by WP 5D, additional details including further specific schedules and deadlines such as those related to the provision of Form A and Certification B and C, GCS and DIS materials and the like will be communicated to the relevant parties associated with the new technology proposal.

|  |  |  |
| --- | --- | --- |
| Process Step IMT-ADV/2 Rev1 | Date | Action IMT-ADV/2 (Rev.1) or  IMT-ADV/25 (Rev.1) |
| **Critical Milestone (0):** | **Exceptionally 3 – 11 October 2017** (WP 5D #28) | Step 1  Invitation to Propose RITs |
| **Critical Milestone (1):** | **24 January 2018** (7 days before 31 January – 7 February 2018 – WP 5D #29) | Step 3  Cut-off date for submission of candidate RIT and SRIT proposal |
|  | **February 2018** | Circular Letter announcing receipt by WP 5D of a complete candidate technology submission and an invitation for the formation of Independent Evaluation Groups and subsequent submission of Evaluation Reports. |
|  | **February 2018 to September 2018** | Opportunity for registration of Evaluation Groups |
| **Critical Milestone (2):** | **2 October 2018** (7 days before 9 – 16 October 2018 –  WP 5D #31) | Completion of Step 4  Evaluation of candidate RITs or SRITs by Independent Evaluation Groups Cut-off date for evaluation report to ITU  Final date for submission of Form A |
| **Critical Milestone (3):** | **9 - 16 October 2018**  **(WP 5D #31)** | Completion of Step 5  Review and coordination of outside evaluation activities  Completion of Step 6  Review to assess compliance with minimum requirements  Completion of Step 7  Consideration of evaluation results, consensus building and decision |
| **Step 8** | **Y+2B: 2 July 2019** (7 days before 9-17 July 2019 – WP 5D #32) | Step 8 Development of the new section in Rec. ITU-R M.2012 for the Radio Interface Technology.  Final date for submission of Certification B. |
| **Synchronization of Finalization of the Revision** | **Starting with Y+2B: 2 July 2019** (7 days before 9–17 July 2019 – WP 5D #32)  **And continuing with the subsequent dates indicated in Table 1 below in this document** | The remainder of the process and schedules for finalization of the Revisions follows the dates and general tasks indicated in *Items 8 through 13* in Table 1 below in this document. |

# V Detailed schedule for the Revision 4 for Existing Technologies in Recommendation ITU-R M.2012

**Table 1** below, extracted from IMT-ADV/25(Rev.2) and amended with specific dates, provides the detailed timeline for the updates to existing technologies in Recommendation ITU-R M.2012-3 as indicated in section 3 of IMT-ADV/25(Rev.2) in the case when a GCS is utilized - which is the current situation for all existing technologies in the current in-force version of Recommendation ITU‑R M.2012.

**Calendar 1** provides a summary of actions defined in Table 1 for Revision 4 in a calendar view.

It should be noted that since Table 2 in Document IMT-ADV/25(Rev.2) which provides the detailed timeline for the updates to existing technologies in Recommendation ITU-R M.2012-3 (applicable to the case where a GCS is not utilized) does not apply for the Revision 4 therefore no detailed timeline information is provided for Table 2.

TABLE 1[[4]](#footnote-4)

Framework of a Revision Cycle for updates of existing technologies in Recommendation ITU-R M.2012 applicable to Section 3 of IMT-ADV/25 (Rev.2) in the case when a GCS is utilized

| Item | Entity | Meeting designation & timeframe | Action/Deliverable/Milestone | Specific Dates |
| --- | --- | --- | --- | --- |
| ***1*** | **WP 5D** | Meeting “Y-1” or earlier  (Approximately February prior year or earlier) | Communiqué to ***GCS Proponent****,* ***Transposing Organizations****, and relevant External Organizations* announcing the next revision of Rec. ITU‑R M.2012 and providing the detailed timelines for the revision. | **3-11 October 2017**  (WP 5D #28) |
| ***2*** | ***Existing GCS Proponent*** | Meeting “Y”  (Approximately June prior year) | Delivery to ITU-R by existing ***GCS Proponent*** of the initial announcement that a revision to a particular RIT or SRIT will be proposed.[[5]](#footnote-5)\* | **24 January 2018**  (7 days before 31 January – 7 February 2018 –WP 5D #29) |
| ***3*** | **WP 5D** | Meeting “Y”  (Approximately June  of prior year) | WP 5D review of submitted materials and opportunity for responding to ***GCS Proponents***. | **31 January-7 February 2018**  (WP 5D #29) |
| ***4*** | ***Existing GCS Proponent*** | Meeting “Y+1”  (Approximately October  of prior year) | Delivery to ITU-R by the ***GCS Proponent*** of further information, including a summary of the proposed update.\* | **6 June 2018**  (7 days before 13‑20 June 2018 - WP 5D #30) |
| ***5*** | **WP 5D** | Meeting “Y+1”  (Approximately October  of prior year) | WP 5D review of submitted materials and opportunity for responding to ***GCS Proponents***. | **13-20 June 2018**  (WP 5D #30) |
| ***6*** | ***Existing GCS Proponent or Existing Transposing Organization (Scenario 3 only)*** | Meeting “Y+2”  (Approximately February of current revision year) | *Case requiring a modification of the GCS*  Delivery to ITU-R by the ***GCS Proponent*** of the detailed update, including the compliance templates 4.2.4 from Report ITU-R M.2133 (2008) and any related supporting material for the proposed update to Rec. ITU‑R M.2012-3, given that the full context of the total terrestrial radio interface is considered to be the original submission and any previously approved updates as well as this proposed update.  Delivery to ITU-R by the ***GCS Proponent*** of the revised/updated GCS.  Delivery to ITU-R of Certification B (section 1, section 2, and section 3, as appropriate) by ***GCS Proponents***.  *Cases not requiring a modification of the GCS*  *Scenario 1* – *Case of a revised Overview, synopsis, or other material in* Rec. ITU‑R  M.2012-3*:*  Delivery to ITU-R by the ***GCS Proponent*** of the update of the associated material and a self-declaration indicating that those changes are consistent with existing GCS.  *Scenario 2* – *Case of a new* ***Transposing Organization(s)*** *or removal of a* ***Transposing Organization(s)***  Delivery to ITU-R of Certification B, section 2, and/or section 3, by ***GCS Proponents***.  *Scenario 3 – Case of update of only a particular set or sets of the transposition references*  Delivery to ITU-R by the ***Transposing Organization*** of the complete update information, including a summary and rationale of the proposed update, the updated specific set or sets of the transposition references, and Certification C. At the same meeting as the announcement by the ***Transposing Organization (s)***, the ***GCS Proponent*** must inform WP 5D of their agreement with the proposed update. | **2 October 2018**  (7 days before 9-16 October 2018 – WP 5D #31) |
| ***7*** | ***Existing GCS Proponent or Existing Transposing Organization (Scenario 3 only)*** | Void | *Void* | **Void** |
| ***8*** | **WP 5D** | Meeting “Y+2”  (Approximately February or June of current  revision year) | WP 5D performs a review of the submitted material and reaches its conclusion on the acceptability of the proposed update for inclusion in the draft Revision 3 of Rec. ITU-R M.2012.  WP 5D finalizes and agrees the specific technology update in the draft Revision 3 of Rec. ITU‑R M.2012 (not necessarily including the detailed transposition references).  WP 5D liaison of the WP 5D agreed draft Revision 3 of Rec. ITU-R M.2012 to the relevant ***GCS Proponents*** and ***Transposing Organizations*** for their use in developing their inputs of the detailed references.  Note: In any event, the WP 5D meeting (“Y+2B”) will finalize the entirety of the preliminary WP 5D agreed draft Revision 3 of Rec. ITU-R M.2012 for all updated technologies (not necessarily including the detailed transposition references). | **Y+2:**  **9-16 October 2018**  (WP 5D #31) |
| ***9*** | ***Transposing Organizations*** | Due to ITU-R approximately one month prior to the subsequent Meeting  (Approximately September of current revision year) | Delivery to ITU-R of transposition references by each ***Transposing Organization*** for incorporation into the WP 5D preliminary agreed draft Revision 4 of Rec. ITU-R M.2012.  Delivery to ITU-R of Certification C by each ***Transposing Organization****.* Completion of relevant business matters and indication of compliance with ITU policy on IPR, as appropriate  *This Item 9 does not apply to case of a Scenario 1 update.  In case of Scenario 3, Item 9 does not apply because the* ***Transposing Organization*** *would have already provided the complete information by meeting “Y+2”* | **1 June 2019** |
| ***10*** | **Radiocommunication Bureau** | Prior to the subsequent meeting | The Radiocommunication Bureau is requested to provide to WP 5D a document that incorporates the transposition references | **2 July 2019** |
| ***11*** | **WP 5D** | Subsequent Meeting  (Approximately October of current revision year) | WP 5D performs a final quality and completeness check of the draft Revision 4 of Rec. ITU-R M.2012.  WP 5D forwards to Study Group 5 the revision 4 of Rec. ITU-R M.2012. | **9-17 July 2019 WP 5D #32)** |
| ***12*** | **Radiocommunication Bureau** | (Approximately November/December of current revision year) | Submission by Counsellor for SG 5 of completed draft Revision 4 of Rec. ITU‑R M.2012 (with all transposition references) to SG 5, based on currently anticipated SG 5 meeting schedule. | **Date to be determined depending on actual SG 5 meeting schedule**  **(July 2019)** |
| ***13*** | **Study Group 5** | (Approximately November/December of current revision year) | Study Group 5 considers adoption of the Revision 4 of Rec. ITU-R M.2012 for forwarding to Member States for approval. | **Date to be determined depending on actual SG 5 meeting schedule** |

CALENDAR 1

Summary of actions for Revision 4 of existing technologies organized in a calendar view

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Part 1: Milestone summary for *ITU-R WP 5D and Radiocommunication Bureau (BR)* for revision of existing technologies | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | |
|  | *WP 5D #28* | |  | | *WP 5D #29* | |  | | *WP 5D #30* | |  | *WP 5D #31* | | |  | | *WP 5D #32* | |  |  | | *WP 5D #33* | |
|  |  | |  | |  | |  | |  | |  |  | | |  | |  | |  |  | |  | |
| DATE | 3-11 October 2017 | |  | | 31 January – 7 February 2018 | |  | | 13-20 June 2018 | |  | 9-16 October 2018 | | | 2 July 2019 | | 9-17 July 2019 | |  |  | |  | |
| Meeting Designator | ‘Y-1’ | |  | | ‘Y’ | |  | | ‘Y+1’ | |  | ‘Y+2’ | | | - | |  | |  |  | |  | |
| TABLE 1 ITEM # | 1 | |  | | 3 | |  | | 5 | |  | 8 | | | 10 | | 11 | |  |  | |  | |
| Action by Entity | WP 5D | |  | | WP 5D | |  | | WP 5D | |  | WP 5D | | | BR | | WP 5D | |  |  | |  | |
|  | | | | | | | | | | | | | | | | | | | | | | | |
| Part 2: Milestone summary for CGS proponents and transposing organizations for revision of existing technologies | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | |
|  | *WP 5D #28* |  | | *WP 5D #29* | |  | | *WP 5D #30* | |  | | | *WP 5D #31* |  | | *WP 5D #32* | |  | | |  | | *WP 5D #33* |
| Deadline |  | 24 January 2018 | |  | | 6 June 2018 | |  | | 7 October 2018 | | |  | 1 June 2019 | |  | |  | | |  | |  |
| Meeting Designator |  | 7 days before ‘Y’ | |  | | 7 days before ‘Y+1’ | |  | | 7 days before Y+2 | | |  | - | |  | |  | | |  | | - |
| TABLE 1 ITEM # |  | 2 | |  | | 4 | |  | | 6 | | |  | 9 | |  | |  | | |  | |  |
| Action by Entity |  | Existing GCS Proponent | |  | | Existing GCS Proponent | |  | | Existing GCS Proponent  or  Existing Transposing Organization (Scenario 3) | | |  | Transposing Organization (except for Scenario 3) | |  | |  | | |  | |  |

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1. Since no new RIT/SRIT proposal has been received by the cut-off date (i.e. 24th January 2018) and no concern is raised by existing GCS Proponents and Transposing Organizations, the special updating schedule for Revision 4 (i.e. one Y+2 meeting instead of normal two Y+2A/Y+2B meetings) is applied. [↑](#footnote-ref-1)
2. Since no new RIT/SRIT proposal has been received by the cut-off date (i.e. 24th January 2018), the schedule described in this section will not be applied in Revision 4. [↑](#footnote-ref-2)
3. Based on planned meeting dates. Confirmed meeting dates of WP 5D for 2018 and 2019 will be published on the ITU website (<http://www.itu.int/events/upcomingevents.asp?sector=ITU-R&lang=en>). [↑](#footnote-ref-3)
4. Based on planned meeting dates. Confirmed meeting dates of WP 5D for 2018 and 2019 will be published on the ITU website (<http://www.itu.int/events/upcomingevents.asp?sector=ITU-R&lang=en>). [↑](#footnote-ref-4)
5. \* Required in case of an update of the GCS or in the case of a revised Overview, revised synopsis, or other material in Recommendation ITU-R M.2012-3 under the purview of the ***GCS Proponent***. [↑](#footnote-ref-5)