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| **Radiocommunication Study Groups** |  |
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|  | **Document 5A/198-E** |
| **30 November 2012** |
| **English only** |
| Chairman, Working Party 5A |
| report on the TENTH meeting of working party 5a |
| (Geneva, 5-15 November 2012) |

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[1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N01!MSW-E) Working Party 5A Management

[2](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N02!MSW-E) Consolidation of texts approved by Working Party 5A

[3](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N03!MSW-E) Consolidation of reports from the Working Groups of Working Party 5A

[4](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N04!MSW-E) Working document towards the draft CPM text for WRC-15 Agenda item 1.4
(Source: Doc. 5A/TEMP/65)

[5](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N05!MSW-E) Work plan for WRC-15 Agenda item 1.4 (Source: [Annex 5](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N05!MSW-E) to [Doc. 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en))

[6](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N06!MSW-E) Working document towards the preliminary draft CPM text for WRC-15 Agenda item 1.3 (Source: Doc. 5A/TEMP/79)

[7](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N07!MSW-E) Work plan for WRC-15 Agenda item 1.3 (Source: Doc. 5A/TEMP/83)

[8](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N08!MSW-E) Working document towards draft CPM text for WRC-15 Agenda item 1.18
(Source: Doc. 5B/TEMP/59(Rev.1))

[9](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N09!MSW-E) Work plan for WRC-15 Agenda item 1.18 (Source: [Annex 9](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N09!MSW-E) to [Doc. 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en))

[10](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N10!MSW-E) Preliminary draft new Report ITU-R M.[5 MHz CHAR] – Characteristics of amateur radio stations in the range 5 250-5 450 kHz for sharing studies
(Source: Doc. 5A/TEMP/67)

[11](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N11!MSW-E) Working document towards a preliminary draft new Report ITU-R M.[5 MHz COMPAT] – Compatibility analysis of possible amateur systems with fixed, land mobile, radiolocation and maritime mobile services in the frequency band
5 250-5 450 kHz (Source: Doc. 5A/TEMP/68)

[12](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N12!MSW-E) Working document towards a preliminary draft new Report ITU-R M.[HF-SPECTRAL OCCUPANCY] – Spectral occupancy within the band 5 250-5 450 kHz as observed near Ottawa, Ontario, Canada (Source: Doc. 5A/TEMP/89)

[13](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N13!MSW-E) Preliminary draft revision to ITU-R Handbook for amateur and amateur-satellite services (Source: Doc. 5A/TEMP/90)

[14](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N14!MSW-E) Preliminary draft new Report ITU-R M.[LMS.ATG] – Systems for public mobile communications with aircraft (Source: Doc. 5A/TEMP/70)

[15](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N15!MSW-E) Working document towards a preliminary draft revision of Recommendation ITU‑R M.1076 – Wireless communication systems for persons with impaired hearing (Source: Doc. 5A/TEMP/60)

[16](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N16!MSW-E) Working document towards a preliminary draft revision of Recommendation ITU‑R M.1450-4 – Characteristics of broadband radio local area networks
(Source: Doc. 5A/TEMP/77)

[17](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N17!MSW-E) Working document toward a preliminary draft revision of Recommendation ITU‑R M.2009 – Radio interface standards for use by public protection and disaster relief operations in some parts of the UHF band in accordance with Resolution 646 (Rev.WRC-12) (Source: Doc. 5A/TEMP/51)

[18](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N18!MSW-E) Working document towards a preliminary draft new [Report/Recommendation] ITU‑R M.[MS 14.5-15.35 CHAR] – Characteristics of and protection criteria for systems operating in the mobile service in the frequency range 14.5-15.35 GHz
(Source: Doc. 5A/TEMP/59)

[19](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N19!MSW-E) Working document towards a preliminary draft revision of Report ITU-R M.2116-1 – Characteristics of broadband wireless access systems operating in the land mobile service for use in sharing studies (Source: Doc. 5A/TEMP/72)

[20](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N20!MSW-E) Working document towards a preliminary draft revision of Report ITU-R M.2228 – Advanced intelligent transport systems (ITS) radiocommunications
(Source: Doc. 5A/TEMP/54)

[21](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N21!MSW-E) Working document towards a preliminary draft new Recommendation ITU‑R M.[AUTO] – Systems characteristics of automotive radars operating in the frequency band 76-81 GHz for intelligent transport systems applications
(Source: Doc. 5A/TEMP/69)

[22](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N22!MSW-E) Working document toward a preliminary draft new Report ITU-R M.[LMS.CRS2] – [Cognitive radio systems [(CRS) applications] in the land mobile service]
(Source: Doc. 5A/TEMP/91)

[23](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N23!MSW-E) List of output documents

**Annexes from previous WP 5A Chairman’s Reports that are being carried forward:**

[Annex 18](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N18!MSW-E) to [Doc. 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en): Working document towards a preliminary draft revision of Recommendation ITU-R M.2015 – Frequency arrangements for public protection and disaster relief radiocommunication systems in UHF bands in accordance with Resolution 646 (Rev.WRC-12).

[Annex 25](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N25!MSW-E) to [Doc. 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en): Working document towards a preliminary draft revision of Recommendation ITU-R M.1797 / draft new Recommendation ITU-R M.[5A/VOC] – Vocabulary of terms for the land mobile service.

**Management documents referred to in the Report:**

List of input documents: [Doc. 5A/184(Rev.1)](http://www.itu.int/md/R12-WP5A-C-0184/en)

Final list of participants: [Doc. 5A/197](http://www.itu.int/md/R12-WP5A-C-0197/en)

# 1 Introduction

Working Party 5A (WP 5A) held its tenth meeting from 5-15 November 2012 in Geneva, chaired by José Costa (Canada). The meeting participants (see list in [Doc. 5A/197](http://www.itu.int/md/R12-WP5A-C-0197)) included 156 participants from 34 countries representing 34 administrations, 6 registered operating agencies, 12 scientific or industrial organizations, 3 regional and other international organizations, one intergovernmental organization operating satellite systems, and the BR. WP 5A held three plenary sessions during the meeting period (on 5, 9, and 15 November 2012).

The meeting dealt with 119 input documents (see list in [Doc. 5A/184(Rev.1)](http://www.itu.int/md/R12-WP5A-C-0184)) and upon their consideration the meeting prepared 51 output temporary documents (see list in [Annex 23](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N23!MSW-E) to [Doc. 5A/198](http://www.itu.int/md/R12-WP5A-C-0198)). Documents 5A/[190](http://www.itu.int/md/R12-WP5A-C-0190), [191](http://www.itu.int/md/R12-WP5A-C-0191), [192](http://www.itu.int/md/R12-WP5A-C-0192), [193](http://www.itu.int/md/R12-WP5A-C-0193), [194](http://www.itu.int/md/R12-WP5A-C-0194) (WP 5C) and [195](http://www.itu.int/md/R12-WP5A-C-0195), [196](http://www.itu.int/md/R12-WP5A-C-0196) (WP 5B) arrived on the last day of the meeting and were not considered; they will be considered at the 11th meeting of WP 5A. [Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N01!MSW-E) contains the management aspects of WP 5A, including a summary of the status of the texts that are the responsibility of WP 5A and the use of electronic facilities.

The Chairman’s Report of the ninth meeting of WP 5A ([Doc. 5A/79](http://www.itu.int/md/R07-WP5A-C-0079)) was adopted.

The structure of WP 5A for this meeting was adopted as presented in Section 2.2 of Annex 1 to [Doc. 5A/79](http://www.itu.int/md/R07-WP5A-C-0079). The Chairman pointed out that some Questions are assigned to a Working Group but contain elements that are the responsibility of another Working Group, for example sharing studies. This will be clarified in the next update of Annex 1.

The Chairman asked the meeting participants to review the list of contacts that appears in Section 4 of Annex 1 to [Doc. 5A/79](http://www.itu.int/md/R07-WP5A-C-0079) and inform him of any necessary changes (the final list appears in Section 4 of [the updated Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N01!MSW-E) (Doc. 5A/198) and updates between meetings are maintained by the BR and the Chairman of WP 5A). The Chairman indicated this list showing the contacts by topics is used for all liaison statements to external organizations on those topics and the e-mail distribution lists are generated automatically from it.

The Chairman of Study Group 5 presented the results of the 19th RAG meeting, 25-27 June 2012 ([Doc. 5A/92](http://www.itu.int/md/R12-WP5A-C-0092)).

[Doc. 5A/140](http://www.itu.int/md/R12-WP5A-C-0140) that includes views on many WRC-15 Agenda items was noted and assigned to the Working Groups dealing with WRC-15 preparations.

[Doc. 5A/121](http://www.itu.int/md/R12-WP5A-C-0121/en) on the correspondence activity on the cross-border coordination Handbook was noted and was considered in the joint meeting with WP 5C (cf. Section 3.6.1).

The liaison statements in[Doc. 5A/93](http://www.itu.int/md/R12-WP5A-C-0093/en), [Doc. 5A/98](http://www.itu.int/md/R12-WP5A-C-0098/en), and [Doc. 5A/109](http://www.itu.int/md/R12-WP5A-C-0109/en) were noted and the Working Groups were asked to consider any necessary actions.

Other reports presented by the Liaison Rapporteurs were noted, including on certain countries in Region 3 ([Doc. 5A/175](http://www.itu.int/md/R12-WP5A-C-0175)) and WWRF ([Doc. 5A/176](http://www.itu.int/md/R12-WP5A-C-0176)) by Hitoshi Yoshino, on [Disaster Relief](http://www.itu.int/ITU-R/index.asp?category=information&link=emergency&lang=en) by Amy Sanders ([Doc. 5A/181](http://www.itu.int/md/R12-WP5A-C-0181)), and on certain countries in Region 1 ([Doc. 5A/186](http://www.itu.int/md/R12-WP5A-C-0186/en)) by Gabrielle Owen.

At the opening Plenary the Chairman drew the attention of the meeting to the WP 5A texts that are listed in Section 1 of Annex 1 to [Doc. 5A/79](http://www.itu.int/md/R07-WP5A-C-0079) and the [Guide to the use of ITU-R texts related to the land mobile service](http://www.itu.int/oth/R0A06000001/en), asking each Working Group to review the texts assigned to them. The Chairman pointed out the guidelines for the preparation of WP 5A texts in Section 2.3 of [Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N01!MSW-E) to [Doc. 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en) and the outline of the preparatory work for WRC-15 in Section 3 of [Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N01!MSW-E) to [Doc. 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en). The Chairman also pointed out the work on Vocabulary ([Annex 25](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N25!MSW-E) to [Doc. 5A/79](http://www.itu.int/md/R12-WP5A-C-0079), [Res. 33-3](http://www.itu.int/pub/R-RES-R.33/en), [Res. 34-3](http://www.itu.int/pub/R-RES-R.34/en), [Res. 35-3](http://www.itu.int/pub/R-RES-R.35/en), and [Res. 36-3](http://www.itu.int/pub/R-RES-R.36/en)).

Documents [5A/99](http://www.itu.int/md/R12-WP5A-C-0099/en) (Russian Federation), [5A/111](http://www.itu.int/md/R12-WP5A-C-0111/en) (SG 4); and [5A/125](http://www.itu.int/md/R12-WP5A-C-0125/en) (WP 5D) on arrangement of the M-series Recommendations were considered by WP 5A and were also discussed in the joint meeting with WP 5C. It was agreed to inform Study Group 5 endorsing the comments from WP 5D in [Document 5/15](http://www.itu.int/md/R12-SG05-C-0015/en).

The Chairman of Study Group 5 presented [Doc. 5A/106](http://www.itu.int/md/R12-WP5A-C-0106/en) requesting a progress report on the work of WP 5A on ITU-R Resolutions in line with the guidance from the RAG ([Doc. 5A/92](http://www.itu.int/md/R12-WP5A-C-0092)). The summary report from WP 5A is included in Annex 2 to [Doc. 5/42](http://www.itu.int/md/R12-SG05-C-0042/en), the executive report to Study Group 5.

At the second Plenary session of WP 5A the BR gave a report on [Res. 647 (Rev.WRC-12)](http://www.itu.int/oth/R0A0600001B/en) activities. The BR set up a database that has been available for some time but not many notifications from administrations have been received, only 25 administrations have responded to the circular letters requesting information. Therefore, administrations are encouraged to provide the information to the BR on the frequencies that have been reserved in case of disasters. The database is available at this link:

<http://www.itu.int/ITU-R/index.asp?category=information&rlink=res647&lang=en>

# 2 Objectives and work programme for the tenth meeting of WP 5A

The objectives for the meeting were adopted as set forth in the Chairman’s Report of the ninth meeting of WP 5A (Section 4 of [Doc. 5A/79](http://www.itu.int/md/R07-WP5A-C-0079)) noting that need to consider also the proposals in the input contributions for the tenth meeting.

With regard to the update of documents that are the joint responsibility of WPs 5A and 5C, the two Working Parties held a joint meeting; and [Section 6.3.1](#s361) summarizes the results of the joint meeting that considered the development of the cross-border coordination handbook, a proposed update of [Recommendation ITU-R F.1336-3](http://www.itu.int/rec/R-REC-F.1336/en), and Power Line Telecommunications (PLT) liaison issues. Actions regarding future updates of documents that have a joint responsibility will be considered on a case-by-case basis depending on the input contributions and the nature of the proposed update.

The work was carried out within five Working Groups. The responsibilities for input contributions were assigned as per [Table 1](#t1), showing also the organization of the work for the meeting. (The documents in the rows “Reports” and “General” were assigned to all the Working Groups).

Several liaison statements from WP 5B (Docs. 5A/[185](http://www.itu.int/md/R12-WP5A-C-0185), [187](http://www.itu.int/md/R12-WP5A-C-0187), and [188(Rev.1](http://www.itu.int/md/R12-WP5A-C-0188)) and WP 3K (Doc. 5A/[189](http://www.itu.int/md/R12-WP5A-C-0189)) arrived during the meeting and were assigned to the relevant Working Groups.

The Working Groups prepared revised/new Recommendations, Reports, and liaison statements, and progress reports on the work. The detailed reports from the Working Groups are contained in [Annex 3](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N03!MSW-E). The texts proposed by these Working Groups in TEMP documents ([Annex 23](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N23!MSW-E)) were considered by WP 5A and are either annexed to this Report for further work to be considered at future meetings of or were approved as liaison statements to other Groups ([Annex 2](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N02!MSW-E)).

TABLE 1

Assignment of input contributions and organization of the work for the meeting

NOTE – Documents are posted at <http://www.itu.int/md/R12-WP5A-C/en>

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| **Working Party 5A (Chairman: José Costa, Canada)** |
| **Reports** | [79](http://www.itu.int/md/R12-WP5A-C-0079) (Chairman, WP 5A); [92](http://www.itu.int/md/R12-WP5A-C-0092) (Chairman, SG 5); [175](http://www.itu.int/md/R12-WP5A-C-0175) (Liaison Rapp. #3); [176](http://www.itu.int/md/R12-WP5A-C-0176) (WWRF); [181](http://www.itu.int/md/R12-WP5A-C-0181) (Disaster Relief Liaison Rapp.); [184R1](http://www.itu.int/md/R12-WP5A-C-0184) (List of Documents); [186](http://www.itu.int/md/R12-WP5A-C-0186) (Liaison Rapp. #1) |
| **General** | [79](http://www.itu.int/md/R12-WP5A-C-0079) [Annex 25](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N25!MSW-E) (WP 5A); [93](http://www.itu.int/md/R12-WP5A-C-0093) (Chairman, FG-DR&NRR); [98](http://www.itu.int/md/R12-WP5A-C-0098/en) (ITU-D SG 1); [99](http://www.itu.int/md/R12-WP5A-C-0099/en) (Russian Federation); [106](http://www.itu.int/md/R12-WP5A-C-0106) (Chairman, SG 5); [109](http://www.itu.int/md/R12-WP5A-C-0109) (WP 4B); [111](http://www.itu.int/md/R12-WP5A-C-0111) (SG 4); [125](http://www.itu.int/md/R12-WP5A-C-0125) (WP 5D); [140](http://www.itu.int/md/R12-WP5A-C-0140) (IMO) |
| **Working Group 1: Amateur Services (Chairman: Brennan Price, USA)** |
| **New Rec. M.[VARICODE]** | [79](http://www.itu.int/md/R12-WP5A-C-0079) [Annex 10](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N10!MSW-E) (WP 5A); |
| **AI 1.4 (~5300 kHz)** | [77](http://www.itu.int/md/R12-WP5A-C-0077) (WP 5C); [79](http://www.itu.int/md/R12-WP5A-C-0079) [Annex 4](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N04!MSW-E) and [Annex 5](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N05!MSW-E) (WP 5A); [141](http://www.itu.int/md/R12-WP5A-C-0141) (Canada); [156](http://www.itu.int/md/R12-WP5A-C-0156/en) (Russian F.) |
| **ITU-R Reports** | [79](http://www.itu.int/md/R12-WP5A-C-0079) Annexes [11](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N11!MSW-E) and [12](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N12!MSW-E) (WP 5A); [142](http://www.itu.int/md/R12-WP5A-C-0142), [144](http://www.itu.int/md/R12-WP5A-C-0144) (Canada); [149](http://www.itu.int/md/R12-WP5A-C-0149/en) (USA); [155](http://www.itu.int/md/R12-WP5A-C-0155/en) (Russian F.); [162](http://www.itu.int/md/R12-WP5A-C-0162) (IARU) |
| **Amateur Handbook** | [79](http://www.itu.int/md/R12-WP5A-C-0079) [Annex 13](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N13!MSW-E) (WP 5A); [157](http://www.itu.int/md/R12-WP5A-C-0157/en) (Russian Federation) |
| **AI 1.18; (AI 7; AI 9.1.8)** |  |
| **Working Group 2: Systems and standards (Chairman: Lang Baozhen, China)** |
| **Wireless home networks** | [90](http://www.itu.int/md/R12-WP5A-C-0090) (WP 1B); [95](http://www.itu.int/md/R12-WP5A-C-0095/en) (WP 5D) |
| **Question** [**37**](http://www.itu.int/pub/R-QUE-SG05.37) **(except PPDR)** |  |
| **Update of Rec. ITU-R M.1801** | [79](http://www.itu.int/md/R12-WP5A-C-0079) [Annex 15](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N15!MSW-E) (WP 5A); [100](http://www.itu.int/md/R12-WP5A-C-0100/en) (ETSI); [107](http://www.itu.int/md/R12-WP5A-C-0107/en)-1801 aspects (3GPP TSG RAN); [127](http://www.itu.int/md/R12-WP5A-C-0127) (WP 5D); [138](http://www.itu.int/md/R12-WP5A-C-0138) (3GPP2); [158](http://www.itu.int/md/R12-WP5A-C-0158/en)-Att1 (XGP Forum); [173](http://www.itu.int/md/R12-WP5A-C-0173) (IEEE) |
| **Update of Rep. ITU-R M.1051** | [79](http://www.itu.int/md/R12-WP5A-C-0079) [Annex 14](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N14!MSW-E) (WP 5A); [139](http://www.itu.int/md/R12-WP5A-C-0139) (3GPP2); [147](http://www.itu.int/md/R12-WP5A-C-0147/en) (USA); [172](http://www.itu.int/md/R12-WP5A-C-0172) (China); [180](http://www.itu.int/md/R12-WP5A-C-0180) (ETSI TC ERM) |
| **Update of Rec. ITU-R M.1450** | [174](http://www.itu.int/md/R12-WP5A-C-0174) (IEEE) |
| **Update of Rec. ITU-R F.1763** | [165](http://www.itu.int/md/R12-WP5A-C-0165) (Japan) |
| **AI 9.1.6 Definitions** |  |
| **ANTS** | [120](http://www.itu.int/md/R12-WP5A-C-0120) (ITU-T SG 15 ) |
| **Hearing aids** | [116](http://www.itu.int/md/R12-WP5A-C-0116/en), [160](http://www.itu.int/md/R12-WP5A-C-0160/en) (ITU-T FG AVA)  |
| **Working Group 3: PPDR (Chairman: Amy Sanders, USA)** |
| **PPDR Channels** | [171](http://www.itu.int/md/R12-WP5A-C-0171) (China) |
| **Update of Rec. ITU-R M.2009** | [79](http://www.itu.int/md/R12-WP5A-C-0079) [Annex 17](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N17!MSW-E) (WP 5A); [97](http://www.itu.int/md/R12-WP5A-C-0097/en) (ATIS); [108](http://www.itu.int/md/R12-WP5A-C-0108/en) (3GPP TSG RAN); [128](http://www.itu.int/md/R12-WP5A-C-0128) (WP 5D); [136](http://www.itu.int/md/R12-WP5A-C-0136) (APT) |
| **Update of Rec. ITU-R M.2015** | [79](http://www.itu.int/md/R12-WP5A-C-0079) [Annex 18](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N18!MSW-E) (WP 5A); [137](http://www.itu.int/md/R12-WP5A-C-0137) (APT) |
| **Update of Rep. ITU-R M.2014** | [79](http://www.itu.int/md/R12-WP5A-C-0079) [Annex 16](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N16!MSW-E) (WP 5A) |
| **AI 1.3 (PPDR)** | [79](http://www.itu.int/md/R12-WP5A-C-0079) Annexes [6](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N06!MSW-E) & [7](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N07!MSW-E) (WP 5A); [96](http://www.itu.int/md/R12-WP5A-C-0096/en) (WP 5D); [135](http://www.itu.int/md/R12-WP5A-C-0135) (APT); [143](http://www.itu.int/md/R12-WP5A-C-0143) (Canada); [94](http://www.itu.int/md/R12-WP5A-C-0094), [161](http://www.itu.int/md/R12-WP5A-C-0161) (Israel) |
| **Working Group 4: Interference and sharing (Chairman: Michael Kraemer, Germany)** |
| **Sharing studies (general)** | [84](http://www.itu.int/md/R12-WP5A-C-0084/en) (WP 1A); [85](http://www.itu.int/md/R12-WP5A-C-0085/en) (WP 1A); [91R1](http://www.itu.int/md/R12-WP5A-C-0091) (WP 3M); [104](http://www.itu.int/md/R12-WP5A-C-0104/en) (WP 4C); [123](http://www.itu.int/md/R12-WP5A-C-0123) (WP 7D); [129](http://www.itu.int/md/R12-WP5A-C-0129) (WP 5D); [187](http://www.itu.int/md/R12-WP5A-C-0187), [188R1](http://www.itu.int/md/R12-WP5A-C-0188) (WP 5B); [189](http://www.itu.int/md/R12-WP5A-C-0189) (WP 3K) |
| **Update of Rep. ITU-R M.2116** | [79](http://www.itu.int/md/R12-WP5A-C-0079) [Annex 20](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N20!MSW-E) (WP 5A); [107](http://www.itu.int/md/R12-WP5A-C-0107/en)-2116 aspects (3GPP TSG RAN); [130](http://www.itu.int/md/R12-WP5A-C-0130) (WP 5D); [158](http://www.itu.int/md/R12-WP5A-C-0158/en)-Att2 (XGP Forum) |
| **BWA band planning** | [79](http://www.itu.int/md/R12-WP5A-C-0079) [Annex 19](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N19!MSW-E) (WP 5A); [145](http://www.itu.int/md/R12-WP5A-C-0145) (Canada, Mexico); [151](http://www.itu.int/md/R12-WP5A-C-0151/en) (USA) |
| **Cross-border handbook** | [117](http://www.itu.int/md/R12-WP5A-C-0117/en) (USA); [121](http://www.itu.int/md/R12-WP5A-C-0121/en) (Chairman, JCG 5A/5C) |
| **AIs 1.1, 1.2 Res. 233, 232)** | [80](http://www.itu.int/md/R12-WP5A-C-0080), [87](http://www.itu.int/md/R12-WP5A-C-0087) (WP 5B); [131](http://www.itu.int/md/R12-WP5A-C-0131), [132](http://www.itu.int/md/R12-WP5A-C-0132), [133](http://www.itu.int/md/R12-WP5A-C-0133), [134](http://www.itu.int/md/R12-WP5A-C-0134) (WP 5D); [150](http://www.itu.int/md/R12-WP5A-C-0150/en) (USA); [182](http://www.itu.int/md/R12-WP5A-C-0182) (WP 6A) |
| **AI 1.5 (UAS Res.153)** |  |
| **AI 1.6 (FSS Res. 151, 152)** | [83](http://www.itu.int/md/R12-WP5A-C-0083/en) (WP 4A); [112](http://www.itu.int/md/R12-WP5A-C-0112) (WP 4A); [119](http://www.itu.int/md/R12-WP5A-C-0119/en) (WP 7B, WP 7C and WP 7D); [146](http://www.itu.int/md/R12-WP5A-C-0146/en) (USA) |
| **(AI 1.7) (FSS in ~5100 MHz)** | [113](http://www.itu.int/md/R12-WP5A-C-0113) (WP 4A) |
| **AI 1.8 (ESV Res. 909)** | [86](http://www.itu.int/md/R12-WP5A-C-0086/en), [114](http://www.itu.int/md/R12-WP5A-C-0114) (WP 4A) |
| **AI 1.9.1, 1.9.2 (FSS Res.758)** | [82](http://www.itu.int/md/R12-WP5A-C-0082/en) (WP 4A); [101](http://www.itu.int/md/R12-WP5A-C-0101/en) (WP 4C); [105](http://www.itu.int/md/R12-WP5A-C-0105/en) (WP 4A) |
| **AI 1.10 (MSS Res. 234)** | [102](http://www.itu.int/md/R12-WP5A-C-0102/en) (WP 4C) |
| **AI 1.11 (EESS Res. 650)** | [115](http://www.itu.int/md/R12-WP5A-C-0115) (WP 7B) |
| **AI 1.12 (EESS Res. 651)** | [122](http://www.itu.int/md/R12-WP5A-C-0122) (WP 7C) |
| **AI 1.13 (SRS Res. 652)** |  |
| **AI 1.15 (MMS Res. 358)** | [81](http://www.itu.int/md/R12-WP5A-C-0081) (WP 5B); [124](http://www.itu.int/md/R12-WP5A-C-0124) (WP 5D) |
| **AI 1.16 (AIS Res. 360)** |  |
| **AI 1.17 (WAIC Res. 423)** |  |
| **AI 9.1.x (MSS Res. 205)** | [88](http://www.itu.int/md/R12-WP5A-C-0088) (WP 1B); [103](http://www.itu.int/md/R12-WP5A-C-0103/en) (WP 4C);[118](http://www.itu.int/md/R12-WP5A-C-0118/en) (WP 7B); [154](http://www.itu.int/md/R12-WP5A-C-0154/en) (France) |
| **Working Group 5: New technologies (Chairman: Hitoshi Yoshino, Japan)** |
| **CRS Report** | [79](http://www.itu.int/md/R12-WP5A-C-0079) [Annex 24](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N24!MSW-E) (WP 5A); [89](http://www.itu.int/md/R12-WP5A-C-0089) (WPs 1A and 1B); [110](http://www.itu.int/md/R12-WP5A-C-0110/en) (OJSC Intellect-Telecom, Russian Federation); [153](http://www.itu.int/md/R12-WP5A-C-0153/en) (USA); [164](http://www.itu.int/md/R12-WP5A-C-0164) (Finland); [166](http://www.itu.int/md/R12-WP5A-C-0166) (Japan); [170](http://www.itu.int/md/R12-WP5A-C-0170) (China); [178](http://www.itu.int/md/R12-WP5A-C-0178), [179](http://www.itu.int/md/R12-WP5A-C-0179) (NSN *et al.*); [177](http://www.itu.int/md/R12-WP5A-C-0177) (Telecom Italia, France Telecom Orange); [183](http://www.itu.int/md/R12-WP5A-C-0183) (WP 6A); [185](http://www.itu.int/md/R12-WP5A-C-0185) (WP 5B) |
| **Update of M.2117 (SDR)** | [79](http://www.itu.int/md/R12-WP5A-C-0079) [Annex 23](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N23!MSW-E) (WP 5A); [126](http://www.itu.int/md/R12-WP5A-C-0126) (WP 5D); [152](http://www.itu.int/md/R12-WP5A-C-0152/en) (USA) |
| **ITS** | [Annex 14](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0513!N14!MSW-E) to [Doc. 5A/513](http://www.itu.int/md/R07-WP5A-C-0513/en) (2010); [79](http://www.itu.int/md/R12-WP5A-C-0079) Annexes [21](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N21!MSW-E) and [22](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N22!MSW-E) (WP 5A); [167](http://www.itu.int/md/R12-WP5A-C-0167), [169](http://www.itu.int/md/R12-WP5A-C-0169) (Japan) |
| **AI 1.18** | [79](http://www.itu.int/md/R12-WP5A-C-0079) Annexes [8](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N08!MSW-E) and [9](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N09!MSW-E) (WP 5A); [148](http://www.itu.int/md/R12-WP5A-C-0148/en) (USA); [159](http://www.itu.int/md/R12-WP5A-C-0159/en) (ETSI TC ERM); [168](http://www.itu.int/md/R12-WP5A-C-0168) (Japan); [163](http://www.itu.int/md/R12-WP5A-C-0163) (IARU) |

# **3 Executive summary of the results of the ninth meeting**

## **3.1 Summary of documents approved by WP 5A**

The list of texts that are the responsibility of WP 5A has been updated in line with [Doc. 5/2](http://www.itu.int/md/R12-SG05-C-0002), including the assignment of responsibilities to the Working Groups of WP 5A and identification of topics for the Recommendations and Reports ([Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N01!MSW-E)).

The guide to the use of ITU-R texts related to the land mobile service, including wireless access in the fixed service, was updated and approved. It is available on the WP 5A webpage: <http://www.itu.int/ITU-R/go/rwp5a/en>.

At the 10th meeting WP 5A approved 20 liaison statements to other Groups, including external organizations, which are included in [Annex 2](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N02!MSW-E).

## 3.2 Summary of proposals and documents submitted by Working Party 5A to Study Group 5

At its tenth meeting Working Party 5A completed one draft new Recommendation, one draft revised Recommendation, one draft new Report and 2 draft revised Report for submission to Study Group 5. The details are given in Annex 2.

Working Party 5A, jointly with Working Party 5C, also agreed to endorse the comments from WP 5D in [Document 5/15](http://www.itu.int/md/R12-SG05-C-0015/en) on the arrangement of M-Series Recommendations, in response to the proposal in [Document 5A/99](http://www.itu.int/md/R12-WP5A-C-0099) from the Russian Federation.

## 3.3 Amateur and amateur-satellite services

The work on WRC-15 Agenda item 1.4 was progressed; the draft CPM text and work plan for this Agenda item appear in Annexes 4 and 5 of [Doc. 5A/198](http://www.itu.int/md/R12-WP5A-C-0198), respectively. A preliminary draft new Report on amateur service characteristics was drafted, and work was progressed on working documents toward preliminary draft new Reports on compatibility and spectrum occupancy. Review of ITU-R documentation relevant to the amateur and amateur-satellite services continued. Draft revisions to the Handbook on the amateur and amateur-satellite services have been considered and carried forward for future work.

## 3.4 Systems and standards

Work continued on the development of a preliminary draft new Report ITU-R M.[LMS.ATG] and work has been initiated towards the development of draft revisions of Recommendations ITU-R M.1076, ITU-R M.1450 and ITU-R F.1763.

## 3.5 Public protection and disaster relief

The work on WRC-15 Agenda item 1.3 was progressed; the draft CPM text and work plan for this Agenda item appear in Annexes 6 and 7 of [Doc. 5A/198](http://www.itu.int/md/R12-WP5A-C-0198), respectively[[1]](#footnote-1). Work continued towards the development of draft revisions of Recommendations ITU-R M.2009 and ITU-R M.2015.

## 3.6 Interference and sharing

Work is ongoing on a revision of Report ITU-R M.2116-1 “Characteristics of broadband wireless access systems operating in the land mobile service for use in sharing studies”.

Work has been initiated on a preliminary draft new [Report/Recommendation] ITU‑R M.[MS 14.5‑15.35 CHAR] on characteristics of and protection criteria for systems operating in the mobile service in the frequency range 14.5-15.35 GHz.

Work has been initiated to develop relevant input from WP 5A regarding the spectrum requirements for the work on WRC-15 Agenda item 1.1 in JTG 4-5-6-7.

A number of liaison statements were developed to JTG 4-5-6-7, WP 4A, WP 4C, WP 7B, WP 7C and WP 7D to provide relevant information for sharing studies related to WRC-15 Agenda items 1.1, 1.6, 1.9 (issue 1.9.1), 1.11, 1.12 and 9.1 (issue 9.1.1).

### 3.6.1 Joint meeting of WP 5A and WP 5C

A WP 5A/5C Ad Hoc meeting was held on Tuesday, 6 November 2012 at 17:30 hours to discuss contributions of joint interest.

*Cross-border handbook:* Documents [5A/117](http://www.itu.int/md/R12-WP5A-C-0117/en)-[5C/83](http://www.itu.int/md/R12-WP5C-C-0083/en) (USA) and [5A/121](http://www.itu.int/md/R12-WP5A-C-0121/en)-[5C/84](http://www.itu.int/md/R12-WP5C-C-0084) (Chairman, JCG 5A/5C). It was agreed to continue the work by correspondence and incorporate the text in the USA contribution into a new draft of the Handbook. The new Rapporteur is Mr Evgeny Tonkikh (Russian Federation); email: eugene.tonkikh@ties.itu.int (see Terms of Reference in Appendix 3 to Annex 3).

*Update of Recommendation ITU-R F.1336:* Documents [5A/129](http://www.itu.int/md/R12-WP5A-C-0129/en)-[5C/88](http://www.itu.int/md/R12-WP5C-C-0088/en) (WP 5D) and [5C/99](http://www.itu.int/md/R12-WP5C-C-0099/en) (Japan). It was agreed to continue the work during this meeting within WP 5C developing liaison statements and continuing the work on a draft revision. WP 5A participants are encouraged to attend the work in WP 5C as it progresses.

*Power Line Telecommunications (PLT):* Documents [5A/84](http://www.itu.int/md/R12-WP5A-C-0084)-[5C/57](http://www.itu.int/md/R12-WP5C-C-0057) (also [5B/67](http://www.itu.int/md/R12-WP5B-C-0067)). It was agreed to develop joint liaison statement to WP 1A with WP 5C taking the lead and WP 5A and WP 5B joining later.

Working Party 5A brought to the attention of WP 5C a liaison statement from Working Parties 7B, 7C and 7D on WRC-15 Agenda item 1.6 in Doc. [5A/119](http://www.itu.int/md/R12-WP5A-C-0119/en), which makes reference to fixed service Recommendations.

## 3.7 New technologies

In cooperation with WP 5B, the work on WRC-15 Agenda item 1.18 (invites ITU-R iii)) has been progressed; the draft CPM text and work plan for this Agenda item appear in Annexes 8 and 9 of [Doc. 5A/198](http://www.itu.int/md/R12-WP5A-C-0198), respectively. Continued the work on the development of two working documents on ITS: (1) the working document towards a preliminary draft new Recommendation ITU‑R M.[AUTO] on systems characteristics of automotive radars operating in the frequency band 76–81 GHz for ITS applications and (2) the working document towards a preliminary draft revision of Report ITU-R M.2228 on advanced ITS radiocommunications. A liaison statement was sent to WP 5B with information on amateur service systems at 77.5-78 GHz for use in sharing studies for WRC-15 Agenda item 1.18.

A preliminary draft revision of Report ITU-R M.2117 “Software-defined radio in the land mobile, amateur and amateur satellite services” was finalised and proposed for submission to Study Group 5.

Continued the work on the development of the working document towards a preliminary draft new Report ITU-R M.[LMS.CRS2] on cognitive radio systems and a liaison statement was sent to WP 6A.

## 3.8 Land Mobile Handbook

Since the publication of Volume 5 (Deployment of broadband wireless access systems) no further activity on handbooks has been undertaken yet; WP 5A is maintaining liaison with ITU-D Study Group 2 to assist them with their work.

## 3.9 Vocabulary

The working document towards the development of the land mobile vocabulary with a view to develop either a new Recommendation or a future revision of the existing [Recommendation ITU‑R M.1797](http://www.itu.int/rec/R-REC-M.1797/en) will be considered at future meetings ([Annex 25](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N25!MSW-E) to Doc. 5A/79).

# 4 Objectives for the eleventh meeting of WP 5A

The principal objective for the 11th meeting of WP 5A is to assess any work that may need to be conducted by WP 5A in support for the preparations for WRC-15 and to continue the work on the study Questions assigned to WP 5A. Based on the reports from the Working Groups, the following overall objectives are tentatively set for the 11th meeting of WP 5A.

## 4.1 Amateur and amateur-satellite

– Progress the work on WRC-15 Agenda item 1.4, in accordance with the adopted work plan and milestones:

* Complete amateur service technical and operational characteristics draft new Report and send to Study Group 5.
* Continue sharing studies, taking into account feedback from contributing groups.
* Update preliminary draft new Report(s) for sharing studies as appropriate.
* Develop CPM text for Section 4, considering and incorporating from contributing groups.
* Transmit updated preliminary draft new Report(s) on sharing studies to contributing groups as appropriate for review.
* Transmit draft CPM text to contributing groups for review.

– Continue to review and update as necessary ITU-R Recommendations, Reports and Handbooks relevant to the amateur and amateur-satellite services.

– Review ITU-D Questions, Recommendations, Reports and Handbooks relevant to the amateur and amateur-satellite services and, if necessary, develop liaison statements to responsible ITU-D Study Groups.

## 4.2 Systems and standards

Continue the work on WAS Study Questions on the basis of input contributions and, in particular, to continue the work on:

– Development of PDN Report ITU-R M.[LMS.ATG]

– Development of a preliminary draft revision of Recommendation ITU-R M.1076

– Development of a preliminary draft revision of Recommendation ITU-R M.1450

– Development of a preliminary draft revision of Recommendation ITU-R F.1763.

## 4.3 PPDR

– Initiate a draft revision of Report ITU-R M.2033 and other Reports and Recommendations, as appropriate, based on input contributions.

– Continue the development of a working document toward a preliminary draft revision of Recommendation ITU-R M.2009, based on input contributions.

– Continue development of the working document toward a preliminary draft revision of Recommendation ITU-R M.2015, based on input contributions.

– Make a determination on the proposed suppression of Recommendation ITU-R M.1222 (1997) “Transmission of data messages on shared private land mobile radio channels”, Report ITU-R M.741 (1990) “Multi-channel land mobile systems for dispatch traffic (with or without PSTN interconnection)”, and Report ITU-R M.901 (1990) “Frequency assignment methods for trunked mobile radio systems”.

## 4.4 Interference and sharing

− Continue the draft revision of Report ITU-R M.2116 on characteristics of broadband wireless access systems operating in the land mobile service for use in sharing studies.

− Progress the development of the working document towards a preliminary draft new [Report/Recommendation] ITU-R M.[MS 14.5-15.35 CHAR] on characteristics of and protection criteria for systems operating in the mobile service in the frequency range 14.5-15.35 GHz.

− Continue the discussion regarding the WP 5A spectrum requirements studies for WRC‑15 Agenda item 1.1 based on input contributions.

− Identify possible additional characteristics relevant for the ongoing studies in Working Parties 4A and 7B in response to WRC-15 Agenda items 1.9 (issue 1.9.1) and 1.11.

− Consider if deployment-related information on land mobile systems can be provided for the ongoing sharing studies in response to various WRC-15 Agenda items.

## 4.5 New technologies

– Further develop the working document towards a PDN Report ITU-R M.[LMS.CRS2] on cognitive radio systems in the land mobile service in accordance with Question ITU‑R 241-1/5 and Resolution ITU-R 58. The work plan on CRS will also be reviewed.

– Continue the development of a working document towards a preliminary draft revision of Report ITU-R M.2228 on advanced intelligent transport system (ITS) radiocommunications.

– Continue the development of the working document towards a preliminary draft new Recommendation ITU-R M.[AUTO] on systems characteristics of automotive radars operating in the frequency band 76–81 GHz for ITS applications, in support of WRC-15 Agenda item 1.18.

– Develop a liaison statement in response to liaison statements from WP 5C that request guidance on technical and operating characteristics of automotive radars for the bands 76‑77 GHz and 77-81 GHz as a matter of urgency.

## 4.6 Land Mobile Handbook

– With the completion of 5 volumes of the Land Mobile Handbook (including wireless access), no particular objectives are set for the next meeting. The development of future volumes will be contribution driven.

## 4.7 Vocabulary

– Continue the development of the land mobile vocabulary ([Annex 25](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N25!MSW-E) to [Doc. 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en)) with a view to develop either a new Recommendation or a future revision of the existing [Recommendation ITU-R M.1797](http://www.itu.int/rec/R-REC-M.1797/en).

# 5 Future meetings

The next meeting period of WP 5A (#11) is scheduled to be held from 20-31 May 2013 in Geneva. **The deadline for the submission of contributions is 16:00 hours UTC, 13 May 2013[[2]](#footnote-2).**

During the eleventh meeting of WP 5A in May 2013, ITU will host a half-day WWRF Workshop on “Requirements and technologies for the next generation of mobile communications” (Geneva, 21 May 2013), to which members of the Working Parties, RAG and any other ITU members are invited to attend: <http://www.itu.int/oth/R0A06000057/en>.

# 6 Progression of the work and concluding remarks

The work will continue by correspondence towards the tenth meeting of WP 5A, in particular towards the joint development with WP 5C of the Handbook on “Guidance for bilateral frequency use discussions on fixed/land mobile systems in the frequency range 29.7 MHz – [39.5 GHz]” on the basis of the Joint Correspondence Group activities (see Appendix 3 to [Annex 3](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N03!MSW-E) for the updated terms of reference and Section 6.2 of [Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N01!MSW-E) for the e-mail reflector information).

[Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0198!N01!MSW-E) also summarizes the status of the texts that are the responsibility of WP 5A (Section 1), the structure of WP 5A (Section 2), and the list of contacts for liaison and collaboration with other organizations under Resolution ITU-R 9-4 (Section 4).

At the closing plenary Mr Brennan Price announced that he would be unable to continue as Chairman of WG 1. The Chairman thanked him for having chaired all the meetings of WG 1 since the beginning of the study period and asked if there was a volunteer to take on that role in the future. Australia kindly nominated Mr Dale Hughes to chair WG 1 and the meeting appointed him by acclamation.

The WP 5A and wireless access systems (WAS) home pages can be found, respectively, at:

 <http://www.itu.int/ITU-R/go/rwp5a/en>

 <http://www.itu.int/ITU-R/go/rwp8a-was>.

In closing, the Chairman thanked all the WP 5A participants for their hard work, and in particular the Chairmen of the Working Groups, Ms Amy Sanders and Messrs Brennan Price, Lang Baozhen, Michael Kraemer, and Hitoshi Yoshino; the LMH Rapporteur, Dr. Gabrielle Owen, the vocabulary Rapporteur, Mr Christian Rissone; the Liaison Rapporteurs, Mmes Gabrielle Owen and Amy Sanders and Messrs Brennan Price, Hitoshi Yoshino, and Paul Najarian; and the BR, in particular the WP 5A Counsellor, Mr Sergio Buonomo, for the excellent support provided at the meetings.

1. At the closing plenary session of WP 5A the delegate of Egypt provided the following statement for the WP 5A Chairman’s Report: “The Egyptian Administration declares its disappointment due to the way used in developing the preliminary draft CPM text for WRC-15 Agenda item 1.3. The responsible drafting group did not align its work to the tasks specified by Res. 648 (WRC-12) despite of many interventions made by the Egyptian Administration to draw the attention to that violation without proper response from the group.” [↑](#footnote-ref-1)
2. Members are strongly advised to pay attention to the strict time deadline. [↑](#footnote-ref-2)