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| **Radiocommunication Study Groups** |  |
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|  | **Document 5A/788-E** |
| **9 December 2011** |
| **English only** |
| Chairman, Working Party 5A | |
| report on the EIGHT meeting of working party 5a | |
| (Geneva, 8-17 November 2011) | |

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[Annex 11](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0045!N11!MSW-E) to [Doc. 5A/45](http://www.itu.int/md/R07-WP5A-C-0045/en): Working document towards a preliminary draft revised/new Recommendation ITU‑R M.[5A/VOC] – Vocabulary of terms for the land mobile service.

[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): Working document towards a preliminary draft new Report ITU‑R M.[5.9 GHz ITS] – Proposed arrangements for 5.9 GHz intelligent transport systems in Australia.

[Annex 20](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0703!N20!MSW-E) to [Doc. 5A/703](http://www.itu.int/md/R07-WP5A-C-0703/en): Working document towards a preliminary draft revision of Report ITU‑R M.2117 - Software-defined radio in the land mobile, amateur and amateur satellite services.

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

List of input documents: [Doc. 5A/780(Rev.1)](http://www.itu.int/md/R07-WP5A-C-0780/en)

Final list of participants: [Doc. 5A/787](http://www.itu.int/md/R07-WP5A-C-0787/en)

# 1 Introduction

Working Party 5A (WP 5A) held its eight meeting from 8-17 November 2011 in Geneva, chaired by [José Costa](mailto:jose.costa@ericsson.com?subject=WP%205A%20chairman's%20report) (Canada). The meeting participants (see list in [Doc. 5A/787](http://www.itu.int/md/R07-WP5A-C-0787/en)) included 116 participants from 29 countries representing 28 administrations, 3 registered operating agencies, 15 scientific or industrial organizations, one U.N. agency, 2 regional and other international organizations, and the BR. WP 5A held three plenary sessions during the meeting period (on 8, 11, and 17 November 2011).

The meeting dealt with 86 input documents (see list in [Doc. 5A/780(Rev.1)](http://www.itu.int/md/R07-WP5A-C-0780/en)) and upon their consideration the meeting prepared 42 output temporary documents (see list in [Annex 10](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N10!MSW-E) to [Doc. 5A/788](http://www.itu.int/md/R07-WP5A-C-0788)). [Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!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 seventh meeting of WP 5A ([Doc. 5A/703](http://www.itu.int/md/R07-WP5A-C-0703)) was adopted.

The structure of WP 5A for this meeting was adopted as presented in [Doc. 5A/ADM/74](http://www.itu.int/md/R07-WP5A-ADM-00074/en). The Chairman informed the meeting that Bruno Espinosa would be unable to chair WG 4 and Michael Kraemer (Germany) has kindly agreed to chair WG 4 for this meeting. The Chairman asked the meeting participants to review the list of contacts that appears in the same ADM document and inform him of any necessary changes (the final list appears in Section 4 of [Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N01!MSW-E)). The Chairman indicated this list showing the contacts by topics would be used for all liaison statements to external organizations on those topics and the e-mail distribution lists would be generated automatically from it.

The Chairman presented a brief report on the results of the GSC-16 meeting ([Doc. 5A/777](http://www.itu.int/md/R07-WP5A-C-0777/en)) and encouraged the working groups to use the relevant GSC-16 Resolutions. The Chairman also informed the meeting that the ITU Council agreed that WRC-15 would be held in 4th quarter 2015.

The Deputy Director of the TSB, Reinhard Scholl, presented [Doc. 5A/718(Rev.1)](http://www.itu.int/md/R07-WP5A-C-0718/en) on “Collaboration on ITS Communications Standards”. This document was assigned to WG 5 to draft a WP 5A response that would be passed to the TSB via the Director, BR. In response to a question from the USA on the ITU Council Resolution on distracted driving it was confirmed that this is one of the topics included in the work items in the terms of reference of the collaboration.

It was noted that no correspondence activity had taken place between the seventh and eighth meetings of WP 5A.

At the opening plenary the Chairman also drew the attention of the meeting to the WP 5A texts that are listed in Section 1 of Annex 1 to [Doc. 5A/703](http://www.itu.int/md/R07-WP5A-C-0703) (including Annex 4 to [Doc. 5A/703](http://www.itu.int/md/R07-WP5A-C-0703)) 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.

At the second plenary Alberto Mendez of the BR gave an update on the status of the activities under [Resolution 647 (WRC-07)](http://www.itu.int/oth/R0A0600001B/en) "Emergency and disaster relief radiocommunication" and noted that to-date only 25 administrations have responded to the questionnaire. WP 5A encouraged the Member States to respond to the questionnaire. For further information refer to the web page:

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

The reports presented by the Liaison Rapporteurs at either the opening or closing plenary sessions were noted, including on [Disaster Relief](http://www.itu.int/ITU-R/index.asp?category=information&link=emergency&lang=en) by Amy Sanders (Docs. [5A/753](http://www.itu.int/md/R07-WP5A-C-0753)), on certain countries in Region 2 ([Doc. 5A/776](http://www.itu.int/md/R07-WP5A-C-0776)) by Brennan Price, on certain countries in Region 1 ([Doc. 5A/781](http://www.itu.int/md/R07-WP5A-C-0781)) by Gabrielle Owen, and on certain countries in Region 3 ([Doc. 5A/782](http://www.itu.int/md/R07-WP5A-C-0782)) by Hitoshi Yoshino.

At the closing plenary four liaison statements from WP 5C were introduced in Documents [5A/783](http://www.itu.int/md/R07-WP5A-C-0783), [5A/784](http://www.itu.int/md/R07-WP5A-C-0784), [5A/785](http://www.itu.int/md/R07-WP5A-C-0785), and [5A/786](http://www.itu.int/md/R07-WP5A-C-0786). The first three were noted for information and the fourth one will need to be reconsidered for possible action at the ninth meeting.

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

The objectives for the meeting were adopted as set in the Chairman’s Report of the seventh meeting of WP 5A (Section 4 of [Doc. 5A/703](http://www.itu.int/md/R07-WP5A-C-0703)) and also based on proposals in the input contributions.

With regards to the update of documents that are the joint responsibility of WPs 5A and 5C, no new contributions were received. Actions regarding future updates will need to 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 four 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).

TABLE 1

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

|  |  |
| --- | --- |
| **Working Party 5A (Chairman: José Costa, Canada)** | |
| **Reports** | [703](http://www.itu.int/md/R07-WP5A-C-0703) (Chairman, WP 5A); [753](http://www.itu.int/md/R07-WP5A-C-0753) (Disaster Relief Liaison Rapporteur);  [776](http://www.itu.int/md/R07-WP5A-C-0776) (Liaison Rapporteur #2); [777](http://www.itu.int/md/R07-WP5A-C-0777) (Chairman, WP 5A); [780R1](http://www.itu.int/md/R07-WP5A-C-0780) (List of Documents);  [781](http://www.itu.int/md/R07-WP5A-C-0781) (Liaison Rapporteur #1); [782](http://www.itu.int/md/R07-WP5A-C-0782) (Liaison Rapporteur #3); [787](http://www.itu.int/md/R07-WP5A-C-0787) (List of Participants) |
| **General** | [775](http://www.itu.int/md/R07-WP5A-C-0775) (BR: new SG 1 question on power grid) |
| **Working Group 1: Amateur Services (Chairman: Ken Pulfer, Canada)** | |
| **AS EXP OP 415-526.5 kHz** | [740](http://www.itu.int/md/R07-WP5A-C-0740) (USA); [756](http://www.itu.int/md/R07-WP5A-C-0756) (Australia); [760](http://www.itu.int/md/R07-WP5A-C-0760) (UK) |
| **New Rec. M.[VARICODE]** | [744](http://www.itu.int/md/R07-WP5A-C-0744) (USA) |
| **Update of Rec. ITU-R M.1732** | [719](http://www.itu.int/md/R07-WP5A-C-0719) (WP 4A) |
| **Working Group 2: Systems and standards (Chairman: Lang Baozhen, China)** | |
| **Questions** [**212**](http://www.itu.int/pub/R-QUE-SG05.212/en)**,** [**215**](http://www.itu.int/pub/R-QUE-SG05.215/en)**,** [**238**](http://www.itu.int/pub/R-QUE-SG05.238/en) | [767](http://www.itu.int/md/R07-WP5A-C-0767) (Japan) |
| **PPDR** | [717](http://www.itu.int/md/R07-WP5A-C-0717) (ATIS); [724](http://www.itu.int/md/R07-WP5A-C-0724) (Canada); [731](http://www.itu.int/md/R07-WP5A-C-0731) (ITU-D SG 2); [741](http://www.itu.int/md/R07-WP5A-C-0741), [742](http://www.itu.int/md/R07-WP5A-C-0742) (USA); [751](http://www.itu.int/md/R07-WP5A-C-0751) (3GPP TSG RAN); [755](http://www.itu.int/md/R07-WP5A-C-0755) (Australia); [774](http://www.itu.int/md/R07-WP5A-C-0774) (India) |
| **Q.101/5 (QoS)** | [707](http://www.itu.int/md/R07-WP5A-C-0707) (MEF); [722](http://www.itu.int/md/R07-WP5A-C-0722) (ITU-T SG 12); [743](http://www.itu.int/md/R07-WP5A-C-0743) (USA); [748](http://www.itu.int/md/R07-WP5A-C-0748) (Canada) |
| **MGWS (60 GHz)** | [735](http://www.itu.int/md/R07-WP5A-C-0735) (ETSI); [754](http://www.itu.int/md/R07-WP5A-C-0754) (WGA); [784](http://www.itu.int/md/R07-WP5A-C-0784) (WP 5C) |
| **ANTS & home networks** | [710](http://www.itu.int/md/R07-WP5A-C-0710) (ITU-T SG 15); [730](http://www.itu.int/md/R07-WP5A-C-0730) (WP 5D) |
| **Handbooks** | [721](http://www.itu.int/md/R07-WP5A-C-0721), [726](http://www.itu.int/md/R07-WP5A-C-0726) (ITU-D SG 2) |
| **Update of Rep. ITU-R M.1051** | [757](http://www.itu.int/md/R07-WP5A-C-0757) (China) |
| **Working Group 4: Interference and sharing (Acting Chairman: Michael Kraemer, Germany)** | |
| **698-862 MHz sharing** | [720](http://www.itu.int/md/R07-WP5A-C-0720) (WP 6A); [729](http://www.itu.int/md/R07-WP5A-C-0729) (WP 5D) |
| **BWA band planning** | [725](http://www.itu.int/md/R07-WP5A-C-0725) (Canada) |
| **Update of Rec. F.758** | [702](http://www.itu.int/md/R07-WP5A-C-0702), [785](http://www.itu.int/md/R07-WP5A-C-0785) (WP 5C) |
| **MSS sharing** | [713](http://www.itu.int/md/R07-WP5A-C-0713) (WP 4C) |
| **Protection Data database** | [708](http://www.itu.int/md/R07-WP5A-C-0708) (WPs of SG5); [714](http://www.itu.int/md/R07-WP5A-C-0714) (WP 4C); [716](http://www.itu.int/md/R07-WP5A-C-0716) (WP 4A) |
| **Cross-border handbook** | [738](http://www.itu.int/md/R07-WP5A-C-0738) (SG 3); [746](http://www.itu.int/md/R07-WP5A-C-0746) (Russian Federation) |
| **AI 1.5 ENG – Res. 954** | [704](http://www.itu.int/md/R07-WP5A-C-0704) (WP 5C); [709](http://www.itu.int/md/R07-WP5A-C-0709) (Regional Commonwealth in the Field of Communications);  [786](http://www.itu.int/md/R07-WP5A-C-0786) (WP 5C) |
| **AI 1.20** | [705](http://www.itu.int/md/R07-WP5A-C-0705), [783](http://www.itu.int/md/R07-WP5A-C-0783) (WP 5C) |
| **IMT matters** | [706](http://www.itu.int/md/R07-WP5A-C-0706) (WP 5C); [715](http://www.itu.int/md/R07-WP5A-C-0715) (WP 4A); [723](http://www.itu.int/md/R07-WP5A-C-0723) (WP 7B) |
| **Working Group 5: New technologies (Chairman: Hitoshi Yoshino, Japan)** | |
| **CRS Reports** | [727](http://www.itu.int/md/R07-WP5A-C-0727) (WP 5D); [739](http://www.itu.int/md/R07-WP5A-C-0739) (USA); [749](http://www.itu.int/md/R07-WP5A-C-0749) (Russian Federation); [758](http://www.itu.int/md/R07-WP5A-C-0758) (China); [761](http://www.itu.int/md/R07-WP5A-C-0761), [762](http://www.itu.int/md/R07-WP5A-C-0762) (Japan); [768](http://www.itu.int/md/R07-WP5A-C-0768) (The Netherlands); [769](http://www.itu.int/md/R07-WP5A-C-0769), [770](http://www.itu.int/md/R07-WP5A-C-0770) (Finland); [771](http://www.itu.int/md/R07-WP5A-C-0771) (Nokia, NSN); [772](http://www.itu.int/md/R07-WP5A-C-0772), [773](http://www.itu.int/md/R07-WP5A-C-0773) (India);  [778](http://www.itu.int/md/R07-WP5A-C-0778), [779](http://www.itu.int/md/R07-WP5A-C-0779) (Nokia, NSN); |
| **Update of M.2117 (SDR)** | [728](http://www.itu.int/md/R07-WP5A-C-0728) (WP 5D); [745](http://www.itu.int/md/R07-WP5A-C-0745) (USA); [752](http://www.itu.int/md/R07-WP5A-C-0752) (Ericsson) |
| **Sensor networks** | [711](http://www.itu.int/md/R07-WP5A-C-0711), [712](http://www.itu.int/md/R07-WP5A-C-0712) (ITU-T JCA-IoT Convener); [732](http://www.itu.int/md/R07-WP5A-C-0732), [733](http://www.itu.int/md/R07-WP5A-C-0733) (Korea); [747](http://www.itu.int/md/R07-WP5A-C-0747) (IEEE); [759](http://www.itu.int/md/R07-WP5A-C-0759) (China);  [765](http://www.itu.int/md/R07-WP5A-C-0765), [766](http://www.itu.int/md/R07-WP5A-C-0766) (Japan) |
| **ITS** | [718R1](http://www.itu.int/md/R07-WP5A-C-0718) (Director, BR); [737](http://www.itu.int/md/R07-WP5A-C-0737) (Germany); [764](http://www.itu.int/md/R07-WP5A-C-0764) (Japan); |
| **ITS – Update of M.1452** | [734](http://www.itu.int/md/R07-WP5A-C-0734) (WP 7D); [736](http://www.itu.int/md/R07-WP5A-C-0736) (Germany); [750](http://www.itu.int/md/R07-WP5A-C-0750) (Russian Federation); [763](http://www.itu.int/md/R07-WP5A-C-0763) (Japan) |

The various groups revised/prepared 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=R07-WP5A-C-0788!N03!MSW-E). The texts proposed by these Groups ([Annex 10](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N10!MSW-E)) were considered by WP 5A and are either annexed to this Report for further work to be considered at future meetings of WP 5A or were approved as liaison statements to other Groups ([Annex 2](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N02!MSW-E)).

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

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

The list of texts that are the responsibility of WP 5A was updated in line with [Doc. 5/2(Rev.4)](http://www.itu.int/md/R07-SG05-C-0002), including the assignment of responsibilities to the Working Groups of WP 5A and identification of topics for the Recommendations and Reports.

The guide to the use of ITU-R texts related to the land mobile service, now 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>.

WP 5A approved 12 liaison statements to other Groups; with one of them being held in the chairman’s report for further consideration at the opening plenary of the ninth meeting of WP 5A; see Appendix 1 to [Annex 2](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N02!MSW-E).

The consolidation of the texts approved by WP 5A is in [Annex 2](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N02!MSW-E).

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

See Section 2 in [Annex 2](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N02!MSW-E).

## 3.3 Amateur and amateur-satellite services

A draft new Report on amateur and experimental operations was revised to include new material and submitted to SG 5, see [Doc. 5/296](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0296). Work on a draft new Question related to amateur services temporary operation in other countries was discontinued. Work continued on a review of ITU‑R documentation relevant to the amateur and amateur-satellite services. One draft revised Recommendation ([Doc. 5/294](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0294)), a draft revised Question ([Doc. 5/328](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0328)), and a draft revised Report ([Doc. 5/292](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0292)) were completed for SG 5’s consideration.

## 3.4 Systems and standards

It was decided to stop the work towards a preliminary draft new Recommendation ITU‑R M.[WAS.QoS] entitled “Quality of Service performance and availability requirements and objectives for wireless access systems” and revisit the topic during the next Study Period. Reply liaison statements were sent to MEF and ITU-T SG 12 to inform the decision and looking forward to continue cooperation with ITU-T SG 12 on this issue in the future.

Several documents have been completed for submission to SG 5, refer to [Annex 2](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N02!MSW-E), and others are being carried forward for further development at the next meeting, refer to [Annex 3](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N03!MSW-E).

## 3.5 Interference and sharing

The terms of reference for the Joint Correspondence Group 5A/5C were updated. It deals with the development of a Handbook on Guidance for bilateral frequency use discussions on fixed/land mobile systems in the frequency range 29.7 MHz – [39.5 GHz] (see [Annex 3](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N03!MSW-E)).

WP 5A considered a liaison statement from SG 3 on a Handbook on the selection and use of radio propagation models for interference prediction and ITU sharing studies under development in WP 3M and developed a joint WPs 5A, 5B and 5C reply liaison statement to SG 3, see [Annex 2](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N02!MSW-E).

Work has been initiated on a working document towards a preliminary draft new Recommendation ITU-R M.[LMS.FA] – General guidelines for the planning of frequency block arrangements in large contiguous bandwidths for broadband applications in the mobile service, see [Annex 8](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N08!MSW-E).

## 3.6 New technologies

Several documents have been completed for submission to SG 5 on Intelligent Transport Systems (ITS), Wireless Access Sensor Network (WASN) systems, and a draft report on cognitive radio systems (CRS), refer to [Annex 2](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N02!MSW-E), and others are being carried forward for further development at the next meeting, refer to [Annex 3](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N03!MSW-E).

## 3.7 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 SG 2 to assist them with their work.

## 3.8 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 again at future meetings ([Annex 11](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0045!N11!MSW-E) to [Doc. 5A/45](http://www.itu.int/md/R07-WP5A-C-0045/en)).

# 4 Objectives for the ninth meeting of WP 5A

The principal objective for the 9th meeting of WP 5A is to assess any work that may still 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 9th meeting of WP 5A:

## 4.1 Amateur and amateur-satellite

– Prepare a work plan for the study period 2012 to 2015 based on the decisions of WRC‑12 and CPM15-1.

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

– Progress the working document towards a preliminary draft new Recommendation ITU‑R M.[VARICODE] – Telegraphic alphabet for data communication by phase shift keying at 31 baud ([Annex 4](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N04!MSW-E)).

– 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 a preliminary draft revision of Report ITU-R M.2014-1 – Digital land mobile systems for dispatch traffic ([Annex 5](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N05!MSW-E)).

– Development of PDN Report ITU-R M.[LMS.PPDR.UHF CHANNELS] – Channelization scenarios for public protection and disaster relief operations in some parts of the UHF band in accordance with Resolution 646 (WRC-03) ([Annex 6](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N06!MSW-E)).

– Development of PDN Report ITU-R [LMS.ATG] – Systems for public mobile communications with aircraft ([Annex 7](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N07!MSW-E)).

## 4.3 Interference and sharing

– Conduct any relevant activity in response to the ITU-R Questions, ITU-R Resolutions and WRC Resolutions.

– Consider the appropriate actions on issues possibly resulting from WRC-12.

– Continue the review of the propagation Handbook based on input from SG 3.

– Further progress the development of the working document towards preliminary draft new Recommendation on BWA band planning to address the open issues with the intention to complete this work at the 9th meeting of WP 5A ([Annex 8](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N08!MSW-E)).

## 4.4 New technologies

– Further develop the working document towards a PDN Report [LMS.CRS2] on cognitive radio systems in the land mobile service in accordance with Question ITU‑R 241-1/5 ([Annex 9](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N09!MSW-E)).

– Continue the development of a working document towards a preliminary draft new Recommendation and/or Report on intelligent transport systems (ITS) radiocommunications and a working document towards a preliminary draft new Report on 5.9 GHz intelligent transport systems (ITS) in accordance with Question ITU-R 205-4/5 ([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)).

– Continue the development of the development of a working document towards a preliminary draft revision of Report ITU-R M.2117 on SDR based on the carried forward documents and new contributions to the next meeting in accordance with Question ITU-R 230-2/5 ([Annex 20](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0703!N20!MSW-E) to [Doc. 5A/703](http://www.itu.int/md/R07-WP5A-C-0703/en)).

– Development of a working document towards a preliminary draft new Recommendation and/or Report on wireless access sensor network, including machine-to-machine communication network in the land mobile service in accordance with Question ITU‑R 250/5.

## 4.5 Land mobile Handbook

– With the completion of 5 volumes of the Land Mobile Handbook (including wireless access), no particular objectives are set for the 9th meeting. The development of future volumes will be contribution driven.

## 4.6 Vocabulary

– Continue the development of the land mobile vocabulary ([Annex 11](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0045!N11!MSW-E) to [Doc. 5A/45](http://www.itu.int/md/R07-WP5A-C-0045/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 (#9) is scheduled to be held from 22 May – 1 June 2012 in Geneva. **The deadline for the submission of contributions is 16:00 hours UTC, 15 May 2012[[1]](#footnote-1).**

# 6 Progression of the work and concluding remarks

The work will continue by correspondence towards the ninth 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 1 to [Annex 3](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!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=R07-WP5A-C-0788!N01!MSW-E) for the e-mail reflector information).

[Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!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 9-3 (Section 4).

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, Messrs. Ken Pulfer, Lang Baozhen, Bruno Espinosa, Michael Kraemer, and Hitoshi Yoshino; the LMH Rapporteur, Dr. Gabrielle Owen, and the Editor of Volume 5, Ms. Justine Sider; the vocabulary Rapporteur, Mr. Christian Rissone; the Liaison Rapporteurs, Mmes. Gabrielle Owen and Amy Sanders and Messrs. Brennan Price and Hitoshi Yoshino; and the BR, in particular the WP 5A Counsellors, Mr. Sergio Buonomo and Mr. Norifumi Yamaguchi, for the excellent support provided at the meetings.

1. Members are strongly advised to pay attention to the strict time deadline. [↑](#footnote-ref-1)