

Chairman, Study Group 5

INTERIM REPORT ON THE STUDY GROUP 5 ACTIVITY (FOR INFORMATION)

1 Introduction

The 2007 Radiocommunication Assembly (RA-07) restructured the ITU-R Study Groups, creating a new Study Group 5 “Terrestrial Services” under the scope of systems and networks for the fixed, mobile, radiodetermination, amateur and amateur-satellite services. The former Study Groups 8 and 9 were merged, transferring the studies relating to the mobile-satellite and the radiodetermination-satellite services to a newly transformed Study Group 4.

Under the new scope, the redistribution of Questions and Recommendations/Reports between Study Groups 4 and 5 was done by the relevant Chairmen and the Counselors immediately after the RA-07.

The first meeting of Study Group 5 was held during 10-11 February 2008 preceded by the Working Party meetings, which were established on an interim basis at that time. At its second meeting in November 2008, the current four WP structure was formally approved (Table 1 in Attachment 1).

As of the fourth meeting in December 2009, all the assigned work is actively underway, including those for the CPM-11 preparation, under the four Working Parties. Chairman of Study Group 5 has published an Interim Report on the Study Group 5 activity, which is found in [Document 5/161](#), expecting more efficient and fruitful outcomes to be developed by the Working Parties and the Study Group during the latter half of this study period.

For information purpose, this document provides the essence of the above Interim Report on the Study Group 5 activities. In section 3, consideration is given regarding an analysis on the meeting resource reduction resulting from the merger of the terrestrial groups.

2 Results of the Study Group 5 meetings

2.1 Meetings

Study Group 5 has held 4 meetings as follows:

- #1 meeting: 18-19 February 2008;
- #2 meeting: 10-11 November 2008;
- #3 meeting: 29 May 2009;
- #4 meeting: 7-8 December 2009.

The #5 meeting is planned to be held in November 2010.

2.2 Development of new/revised Recommendations

Study Group 5 has adopted 14 draft Recommendations (2 new and 12 revised) through its 3 meetings, and completed the consideration on 9 more (1 new and 8 revised) draft Recommendations at its 4th meeting. These results for Recommendations are given in Table 2 in Attachment 1. Further draft Recommendations are expected to be developed in relation to the CPM-11 preparatory work at the future meetings.

2.3 Updating of the maintained Recommendations

As specified in section 11 in Resolution ITU-R 1-5, Study Groups are continuously encouraged to review the maintained Recommendations. Study Group 5 has editorially updated 38 Recommendations through the 4 meetings (see Table 3 in Attachment 1).

2.4 Development of new/revised Reports

Study Group 5 has approved 19 Reports (14 new and 5 revised) through its 4 meetings as given in Table 4 in Attachment 1. Further draft new/revised Reports are expected to be developed by the Working Parties in relation to the CPM-11 preparatory work or other topics.

2.5 Suppression of Recommendations and Reports

Study Group 5 agreed to suppress 19 Recommendations and 4 Reports that were found to be no longer necessary or obsolete (see Table 5 in Attachment 1).

2.6 Review of the Questions

Study Group 5 initially inherited 67 Questions from the former Study Groups 8 and 9. During the first block meeting of the Working Parties, Working Party 5C attempted to reorganize a number of the former Study Group 9 Questions, resulting in the suppression of 14 Questions and adoption of 2 new Questions (merging or restructuring more than one existing Question). Also, three former Study Group 8 Questions were suppressed through the proposals from Working Parties 5A and 5B. Thus, the number of Questions within Study Group 5 was reduced down to 52 (NOTE 2).

NOTE 2 – Since two new Questions have been recently approved, Study Group 5 is currently responsible for 54 Questions.

The above results are summarized in Table 6 in Attachment 1.

3 Consideration on the effect of the merger of the terrestrial groups

This section considers the effect of the creation of a new Study Group 5 for the terrestrial services as a result of the merger of former Study Groups 8 and 9 (excluding the studies on the mobile-satellite & radiodetermination-satellite services).

Analyses focused on the meeting days, the meeting duration and input contributions of the relevant Working Party meetings and Study Group meeting(s), comparing the required resources between the first two years of the new study period after the RA-07 and the corresponding years of the previous study period.

1) Statistics on the total meeting days

An analysis has been made on the total days for each WP meeting from its start to the end, excluding the weekend in between, and then totalled.

The result is given in Table 7 in Attachment 2, which indicates that the total meeting days have reduced from 208 to 130 for the WP meetings and from 11 to 7 for the Study group meetings, both contributing to about a 37% reduction of the required resources.

2) Statistics on the meeting duration

Another analysis has been done for the meeting duration, i.e. from the first day of a block meeting to the last day of that block meeting including the weekend in between. This means the total required days for a participant wishing to attend all the parallel meetings within the block to stay at the meeting venue. For meetings held separately from other ones, e.g. WP 5D meetings, the calculation has been also done separately.

The result is given in Table 8 in Attachment 2, which indicates that the total meeting durations have reduced from 163 days to 92 days for the WP meetings, contributing to about a 44% reduction of the required resources.

3) Statistics on the input contributions

The other aspect is comparison of the number of the input contributions to the relevant meetings. In the same way, the summation of the contributions has been done up to the fourth WP block meetings including the subsequent Study Group meeting, i.e. up to late 2005/2009 (about two year after the previous RA).

The result is provided in Table 9 in Attachment 2, which indicates that there were almost the same order of input contributions to the terrestrial groups between the current and the previous study period.

4 Summary

As reported in the previous sections, it may be concluded that the new Study Group 5 is working quite efficiently in handling the almost same quantity of the documents as the previous study period with significantly reduced resources.

The Chairman believes that such efficiency is thanks to the following factors:

- sufficient support from the Radiocommunication Bureau, i.e. three Counselors' excellent support as well as the establishment of the Sharepoint site leading to a paper reduction of about 75%;
- leadership of the Chairmen of the Working Parties and their subordinate groups;
- good cooperation of all the meeting participants.

Therefore, the Chairman wishes to convey his sincere appreciation to these concerned people and to continue our cooperation toward fruitful achievement of the terrestrial group.

Attachments: 2

Attachment 1

Summary of the results of the Study Group meetings

TABLE 1
Working Party structure in Study Group 5 (for the 2007-2012 study period)

	Scope	Chairman
Working Party 5A	Land mobile service above 30 MHz (excluding IMT) (*) Wireless access in the fixed service Amateur and Amateur-satellite service	J. Costa (CAN)
Working Party 5B	Maritime mobile service including Global Maritime Distress and Safety System (GMDSS) Aeronautical mobile service Radiodetermination service	J. Mettrop (UK)
Working Party 5C	Fixed wireless systems HF and other systems below 30 MHz in the Fixed and Land Mobile services	C. Glass (USA)
Working Party 5D	IMT systems	S. Blust (AT&T)

(*) This includes land mobile service operating at 30 MHz.

TABLE 2
New and revised Recommendations

WP	Rec. ITU-R	
WP 5A	M.1677-1, M.1452-1, M.1450-4*, M.1801-1*	4
WP 5B	M.1842-1, M.1849 , M.1851 , M.585-5, M.493-13, M.1730-1, M.1802-1*, M.[Doc.5/171] *, M.1371-4*, M.1798-1*	10
WP 5C	F.1247-2, F.1249-2, F.1509-1, F.1570-2*, F.387-11*	5
WP 5D	M.1457-8, M.1580-3, M.1581-3, M.1457-9**,	4
Total		23

* These draft Recommendations are under the adoption/approval process (PSAA).

** This draft Recommendation is under the approval process.

TABLE 3
Updated Recommendations through the procedure
in Section 11 in Resolution ITU-R 1-5

WP	Recommendation ITU-R	
WP 5A	M.1041-2, M.1043-2, M.1044-2, M.1452*, M.1454, M.1544, M.1637, M.1653, M.1677, M.1678, F.1488, F.1567, F.1489	13
WP 5B	M.589-3, M.1084-4, M.1227-2, M.1458, M.1459, M.1462, M.1466, M.1582, M.1584, M.1177-3, M.1179, M.1460-1, M.1461-1, M.1796	14
WP 5C	F.748-4, F.749-2, F.1404-1, F.1671, F.635-6, F.1494, F.1498-1, F.1605, F.1097-1, F.1333-1, F.1565, F.1571, F.1606, F.755-2, F.1332-1, F.1496-1, F.1497-1, F.1519, F.1520-2, F.1500, F.1501, F.1608, F.1569, F.1607, F.1612, F.106-2, F.1110-3, F.1487, F.1610, F.1611, SF.1395*, SF.1485*, SF.1572*, SF.765-1*, SF.1486*, F.746-9***	36
WP 5D	M.1456, M.1545, M.1579, M.1646	4
Total		67

* Final approval of these updating will be done at the next Study Group 4 meeting.

** This updating has been superseded by a new version of this Recommendation.

***This updating is conditional on the approval of Recommendation F.387-11.

TABLE 4
New and revised Reports

WP	Report ITU-R	
WP 5A	M.2141 , M.2115-1	2
WP 5B	M.2127, M.2128, M.2136, M.2147, M.[Doc.5/174], M.[Doc.5/175], M.[Doc.5/177], M.[Doc.5/180], M.[Doc.5/189]	9
WP 5C	F.2107-1	1
WP 5D	M.2039-1, M.2113-1, M.2133, M.2134, M.2135, M.2146 , M.2135-1	7
Total		19

TABLE 5
Suppressed Recommendations and Reports

	WP	Recommendation/Report/Question ITU-R	
Recommendation	WP 5A	F.1244	1
	WP 5B	M.1040,	1
	WP 5C	F.759, F.1405, SF.355, SF.358, SF.406, SF.558, SF.1004, SF.1005, SF.1008, SF.1193, SF.1320, F.349*, F.436*, SF.1482**, SF.1483**, SF.1484**, SF.1573**	17
	Total		19
Report	WP 5A	M.358-5, M.1018-1, M.1019	3
	WP 5B	M.1181	1
	Total		4

*Proposed suppressions of these Recommendations are under the approval process.

** Proposed suppressions of these Recommendations are to be adopted at the next Study Group 4 meeting.

TABLE 6
Review of Questions

	WP	Question ITU-R	
New and revised Questions	WP 5A	215-3/5, 250/5	2
	WP 5B	249/5	1
	WP 5C	110-2/5, 247/5, 248/5	3
	WP 5D	229-2/5,	1
	Total		7
Suppressed Questions	WP 5A	224/8	1
	WP 5B	221/8, 234/8	2
	WP 5C	107-2/9, 108-2/9, 125-7/9, 136-2/9, 209-1/9, 212-2/9, 218-1/9, 226-1/9, 229-1/9, 234/9, 236/9, 238/9, 239/9, 240/9	14
	Total		17

ATTACHMENT 2

Statistics on the meeting days, the meeting duration and the input contributions up to the 4th WP block meetings and the subsequent Study Group meeting

TABLE 7
Meeting days excluding the weekend*

Study period	Meetings	#1	#2	#3	#4	Total
(2003–2005)	WP 8A	6 (Nov.03)	8 (Sep.04)	5 (April 05)	5 (Sep.05)	24
	WP 8B	6 (Nov.03)	8 (Sep.04)	5 (April 05)	6 (Sep. 05)	25
	WP 8F	7 (Oct.03) #1 6 (Feb.04) #2	6 (June 04) #3 6 (Oct.04) #4	6 (Feb.05) #5 6 (June 05)#6	6 (Oct.05)#7	43
	WP 9A	4 (Feb.04)	6 (Sep.04)	5 (April 05)	3 (Nov.05)	18
	WP 9B	6 (Feb.04)	7 (Sep.04)	7 (April 05)	7 (Nov.05)	27
	WP 9C	4 (Feb.04)	4 (Sep.04)	5 (April 05)	4 (Nov.05)	17
	WP 9D	7 (Feb.04)	7 (Sep.04)	7 (April 05)	7 (Nov.05)	28
	WP 4-9S	7(Feb.04)	6 (Oct.04)	7 (May 05)	6 (Nov.05)	26
	WP total					208
	SG 8	2 (Dec.03)	2 (Dec.04)	2 (Nov.05)		6
	SG 9	2 (Sep.04)	2 (Dec.05)			4
	JSG 4-9	1 (Oct.04)				1
	SG total					11
	SG+WP					219
(2008–2009)	WP 5A	8 (Feb 08)	8 (Oct.08)	8 (May 09)	8 (Nov.09)	32
	WP 5B	8 (Feb 08)	8 (Oct.08)	8 (May 09)	8 (Nov.09)	32
	WP 5C	8 (Feb 08)	7 (Oct.08)	8 (May 09)	8 (Nov.09)	31
	WP 5D	5 (Jan.08) #1	6 (Jun.08) #2 6 (Oct.08) #3	6 (Feb.09) #4 6 (June 09) #5	6 (Oct.09)#6	35
	WP total					130
	SG 5	2(Feb.08)	2(Nov.08)	1 (May 09)	2 (Dec.09)	7
	SG+WP					137

* For Working Parties 8F and 5D, the meeting days up to their 7th and 6th meetings are included, respectively.

TABLE 8
Block meeting durations including the weekend

Study period	Block meeting	#1	#2	#3	#4	#5	#6	#7	Total
(2003-2005)	WPs 8A-8B	9	11	5	9				34
	WP 8F	9	8	8	8	8	8	8	57
	WPs 9A-9D	9	10	10	9				38
	WP 4-9S	9	8	9	8				34
	WP total								163
	SG 8	2	2	2					6
	SG 9/JSG 4-9	3	2						5
	SG+WP								174
(2008-2009)	WPs 5A-5C	12	12	11	12				47
	WP 5D	5	8	8	8	8	8		45
	WP total								92
	SG 5	2	2	1	2				7
	SG+WP								99

TABLE 9
The number of the input contributions up to the 4th WP block meetings including the subsequent Study Group meeting

Study period	Meetings	Number of the inputs
Working Parties/ Study Groups meetings (2003- 2005)	WP 8A	276
	WP 8B	299
	WP 8F	658
	WP 9A	51
	WP 9B	166
	WP 9C	106
	WP 9D	170
	WP 4-9S	103
	WP total	1829
	SG 8	133
	SG 9	98
	WP+SG	2060
Working Parties/ Study Groups meetings (2008- 2009)	WP 5A	410
	WP 5B	416
	WP 5C	300
	WP 5D	597
	WP total	1723
	SG 5	196
	WP+SG	1919