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| **Radiocommunication Advisory Group Geneva, 25-27 June 2012** |  |
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|  | **Document RAG12-1/1-E** |
| **30 April 2012** |
| **Original: English** |

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| Director, Radiocommunication Bureau |
| report to the NINEteenth meeting of the  radiocommunication advisory group |

# 1 Introduction

This document is intended to provide status reports and background information on some of the issues that are on the provisional agenda for the 19th meeting of RAG (see [CA/202](http://www.itu.int/md/R00-CA-CIR-0202/en) of 12.03.12) to assist the meeting in considering the relevant agenda items.

Separate reports will be submitted for some of the agenda items.

# 2 Council issues

This section covers the relevant issues considered by the 2011 session of the Council (see: <http://www.itu.int/council/C2011/>).

## 2.1 Schedule of future conferences

Council agreed to hold a World Radiocommunication Conference in 2015 (WRC-15). WRC-12 adopted Resolution 807 (WRC-12), which establishes the proposed “Agenda for the 2015 World Radiocommunication Conference”. Council agreed to convene WRC-15 for the fourth quarter of 2015. The proposed detailed dates and venue should be considered by the next session of the Council.

## 2.2 Budget for 2012-2013

Council approved the ITU budget (Resolution 1337) at CHF 323,834,000 for the 2012-2013 biennium, balanced with a reserve account withdrawal of CHF 6.614 million. The relevant budget parts of the 2012-2013 budget for ITU-R is reproduced in the Annex for information.

It is to be noted that provisions for WRC-12 post-conference activities were not included in the budget.

## 2.3 Membership issues

Council considered proposals on retaining current and attracting new Sector Members, Associates and academia and agreed to include the follow-up of PP-10 decisions related to Sector membership in the Council Working Group on Financial and Human Resources, which mandate was amended “to address all matters directed by the Council and/or the Plenipotentiary Conference on a broad range of  issues, such as these identified in “resolves to instruct the Council” in Resolution 158 (Rev. Guadalajara, 2010)”.

## 2.4 Publications

Several councillors praised the free online access policy, which was helping to increase the visibility of ITU and its work, in particular in developing countries and among young professionals. The environmental benefits of the policy were also welcomed. Support was expressed for expanding the free online access policy to include, in particular, the Radio Regulations, and some councillors requested information on the possible financial implications of such a decision. The need to strike a balance between free and paid publications was highlighted, and one councillor suggested that consideration should be given to low-cost editions, especially for developing countries.

Council requested the Secretary-General to publish the report on sales of ITU publicationsinstructed by Decision 12 of PP-10 no later than 45 days prior to annual ITU Council Sessions, in order to enable Member States to conduct analysis and elaborate contributions to Council regarding free online access to ITU publications in a timely fashion, and to include in the report information about all publications and, particularly, about the Radio Regulations.

## 2.5 Cost recovery for satellite network filings

Council considered a proposal to consider revising its Decision 482 to extend the current cost-recovery method it establishes to include the costs of maintaining the Master International Frequency Register (MIFR), including the possibility of setting annual fees for orbit/spectrum use by satellite networks, with the aim of promoting the efficient and rational use of this resource.

Council noted that the issue relating to access to spectrum/orbit resources is a complex matter which is fully within the purview and mandate of WRC. The issue of the establishment or otherwise of an annual cost recovery fee for assignments in the MIFR is within the purview and mandate of Council taking into account the results of the discussions at the WRC as reported by the BR Director. It was emphasized that the current cost recovery mechanism as contained in Decision 482 has worked quite satisfactorily for both membership and the Bureau. This fact has been indicated in the Report of the Director of the Radiocommunication Bureau to Council 2011.

Council concluded that it is imperative to retain the current version of Decision 482 (MOD 2008) without any changes unless there are in-depth studies carried out, which could recommend the need to revise that Decision based on sound and valid arguments/justification. Council instructed the Director to convey the above summary of the discussion held in the Council 2011 to WRC-12 and report back to Council-12, which could, depending on the action taken by WRC-12, further consider the matter, and take necessary action, as appropriate, taking into account, the objectives of cost recovery as contained In Resolution 91 (Rev. Guadalajara, 2010).

As instructed by the 2011 session of Council, the Secretary General brought to the attention of WRC-12 in [Document CMR12/33](http://www.itu.int/md/R12-WRC12-C-0033/fr), the summary of discussions on cost recovery for the processing of satellite network filings as included in Annex J to the Report by the Chairman of the Standing Committee on Administration and Management( [Document C11/89 (Rev.1)](http://www.itu.int/md/S11-CL-C-0089/fr)). Document CMR12/33 was presented in Working Group 5B of WRC-12 and further considered in Sub-Working Group 5B4 where the document was noted.

## 2.6 ITU role as supervisory authority of the future international registration system for space assets under the draft space protocol

Council considered the information on the possible role of the ITU as Supervisory Authority of the future international registration system for space assets under the Protocol to the Convention on International Interests in Mobile Equipment on Matters specific to Space Assets under preparation by UNIDROIT. The UNIDROIT initiative is intended to facilitate the development of satellite services by creating a new international regimen for commercial space financing. This activity would be complementary to, and not overlap with, the ITU activities in managing spectrum/orbit resources for satellite networks.

The Council agreed that the Secretary-General was authorized to attend the diplomatic Conference to be held in Berlin (Germany) from 27 February to 9 March 2012 as an observer; that the matter of whether or not ITU could become the Supervisory Authority should not be prejudged; notwithstanding with above, ITU Secretary-General could continue to express interest; and that the Secretary-General should report back to Council 2012, which would consider the matter further in light of the output of the diplomatic conference taking into account the financial, juridical and technical implications.

The Diplomatic Conference adopted the text of the Protocol to the Convention on International Interests in Mobile Equipment on Matters specific to Space Assets([Space Protocol](http://www.unidroit.org/english/workprogramme/study072/spaceprotocol/conference/documents/dcme-sp-40-corr-e.pdf)) that has been opened for signature in Rome the day following the closure of the Conference (9 March 2012) until it enters into force. As instructed by Council 2011, the observer representing the ITU Secretary-General expressed the interest for ITU to become the Supervisory Authority of the International Registry for space assets, subject to consideration of the matter by the governing bodies of the ITU and without prejudice to the decision to be taken by them in this regard, in the light of the outcome of the Conference, taking into account the financial, juridical and technical implications of such a decision.

The Diplomatic Conference adopted also a resolution relating to the setting up of a Preparatory Commission for the Establishment of the International Registry for Space Assets to act with full authority as Provisional Supervisory Authority for the establishment of the International Registry for space assets. Such Preparatory Commission shall be composed of persons, having the necessary qualifications and experience, nominated by one-third of the negotiating States, with observers including the ITU. A meeting under the auspice of UNIDROIT is foreseen before the end of 2012 to establish the Preparatory Commission.

The results of the Diplomatic Conference together with a request to authorize the Secretary General to continue to express interest in the ITU becoming the Supervisory Authority and to participate in the work of the Preparatory Commission as observer, once this commission established, will be presented to the next session of the Council.

# 3 Results of RA-12 and WRC-12

## 3.1 Results of RA-12

The 2012 Radiocommunication Assembly (RA-12) was held from 16–20 January 2012 in Geneva, just prior to WRC-12. It was chaired by Dr. Alan Jamieson (New Zealand).

As agreed to by the 2011 session of the RAG, the Book of ITU-R Resolutions was prepared and distributed in electronic form only, in the six languages, immediately after the final day of the Assembly, following approval of 32 new and modified ITU-R Resolutions. Among the notable revisions were the resolutions dealing with working methods and procedures, which included the consolidation of text relating to ITU-R Questions which had been distributed between Resolutions ITU-R 1 and ITU-R 5 and the suppression of Resolution ITU-R 45. The text relating to adoption and approval of Recommendations was streamlined with the PSAA (Procedure for Simultaneous Adoption and Approval) procedure being designated as the ‘default’ procedure. All periods of consultation by correspondence were harmonised to two months. The deadline for submission of contributions was discussed at length and the compromise solution was to encourage submissions 12 calendar days prior to the start of the meeting, with the Secretariat posting them ‘as received’ on a specially designated webpage; the deadline still remains at seven calendar days prior to the start of the meeting. This procedure has been put into place for the blocks of meetings starting in April 2012.

Resolution ITU-R 2 was revised to include a new Annex giving the guidelines for preparation of the draft CPM Report, information which used to be provided via Chairman’s documents to the responisible groups and/or Administrative Circulars.

Taking into account Resolution 166 (PP-10), Resolution ITU-R 15 was modified to include a new annex providing guidelines regarding the optimum number of Vice-Chairmen.

Recognizing the admission of academia, universities and their associated research establishment into the work of the ITU under Resolution 169 (PP-10), RA-12 approved Resolution ITU-R 63 which addresses the conditions of their participation in ITU-R activity.

On the specific area of IMT technologies, a new Recommendation (ITU-R M.2012) was approved and revisions were made to Resolutions ITU-R 17, 47, 56 and 57. Concerning the revision to Recommendation ITU-R TF.460-6 in order to adopt a continuous time standard, RA-12 requested SG7 to further consider this issue in order to address the concerns of countries that use the current system of the leap second in Coordinated Universal Time (UTC). This issue was subsequently included by WRC-12 in the provisional agenda for WRC-15.

RA-12 adopted Resolution ITU-R 62 on studies related to testing for conformance with ITU‑R Recommendations and interoperability of radiocommunication equipment and systems. A progress report on the activities carried out in ITU on this topic is presented in an addendum to this document.

Five new ITU-R Resolutions on topics relating to Cognitive Radio Systems, ENG systems, environmental protection and climate change mitigation WSIS and conformance and interoperability were approved. These invited the ITU-R to contribute and/or take a leading role in related studies or provide support and collaborate with the other sectors in the relevant areas.

### 3.1.1 Correspondence Groups

* As indicated in the Summary Report of the Fifth and Sixth Plenary Meetings of RA-12 (Document [RA-12/PLEN/116](http://www.itu.int/md/R12-RA12-C-0116/en)), the Assembly decided to establish a Correspondence Group (CG RecFormat) to look primarily at the format(s) of ITU-R Recommendations and to provide guidelines. The terms of reference of this Correspondence Group can be found on the last page of Document RA-12/PLEN/116. This Correspondence Group will report its findings to RAG, which will subsequently report the final results through the Director to RA-15.
* Two other issues related to Resolution ITU-R 1 were decided to be forwarded to the RAG. One dealt with the restructuring of Resolution ITU-R 1 and the related decision can be found in section 5.2 of the Summary Record of the Fifth and Sixth Plenary Meetings of RA‑12 (Document RA12/PLEN/116) : “In accordance with § 1.7 of Resolution ITU-R 1-6 and Resolution ITU-R 52, RAG is invited to propose a draft revision of Resolution ITU‑R 1‑6 for consideration at the Radiocommunication Assembly 2015, taking into account the structure provided in Attachment 2 of Document [RA12/PLEN/16](http://www.itu.int/md/R12-RA12-C-0016/en).” RAG is therefore required to set up a Correspondence Group (CG-Res1Structure) to carry out this task as indicated above.
* Document [RA12/PLEN/10](http://www.itu.int/md/R12-RA12-C-0010/en) proposed the inclusion of a note relating to the use of the modal verbs “shall” and “must”, which Committee 5 (RA-12) agreed to forward to the RAG for consideration.  
  Document [RA12/PLEN/31](http://www.itu.int/md/R12-RA12-C-0031/en) proposed the inclusion into Resolution ITU-R 1 of a flowchart describing the process of adoption and approval of ITU-R Recommendations. Committee 5 of the Assembly decided that this should also be forwarded to the appropriate RAG CG to be considered for inclusion in the Guidelines.  
  It is therefore proposed that CG-Res1Structure consider the issues and advise a course of action.
* Section 5.2 of the Summary Record of the Fifth and Sixth Plenary Meetings of RA-12 (Document RA12/PLEN/116) refers to the approval of Document [RA12/PLEN/96(Rev.1)](http://www.itu.int/md/R12-RA12-C-0096/en) in which the following text was accepted by RA-12:  
  “Taking into account § 1.7 of Resolution ITU‑R 1 and Resolution ITU‑R 52, invite RAG to propose draft revisions to Resolution ITU‑R 6 at its 2013 meeting, taking into account actions undertaken by TSAG and the WTSA to modify Resolution ITU‑T 18.”  
  This refers to the revision of Resolution ITU-R 6-1 (submitted in Document [RA12/PLEN/12](http://www.itu.int/md/R12-RA12-C-0012/en)) to provide for the establishment of Intersectoral Rapporteur Groups in ITU-R and ITU-T. It was decided to forward this to the RAG for consideration, in accordance with the text given above. RAG is therefore invited to create a Correspondence Group (CG-Res6Revision) for this task.

## 3.2 Results of WRC-12

The Conference has successfully addressed all its 33 agenda items and approved on a timely basis its conclusions, which appear in the Final Acts of WRC-12, which provisional version was distributed in all six languages before the closing plenary.

This has also been a landmark Conference for ITU in terms of management and logistics. The Conference was almost completely paperless and handled over 26,000 document files electronically, on top of almost 19,000 individual proposal files which were posted for nearly 3,000 individual proposals by Member States; in total there were almost two million direct downloads from the ITU WRC-12 website. To assist the delegates in working electronically, the Secretariat developed several IT tools to facilite the download of documents (e.g., [WRC-12 Sync Application](http://www.itu.int/ITU-R/go/wrc-12-sync/en)), the access and tracking of proposals (e.g., [WRC-12 Proposal Management System](http://www.itu.int/ITU-R/go/wrc-12-proposals)), and document exchange amongst participants (e.g., [WRC-12 SharePoint site](https://extranet.itu.int/sites/wrc-ra/wrc-12/)).

Participants to the conference connected nearly 8,000 devices (laptops, tablets, smartphones) to the ITU wired and wireless networks, with over 5,700 connections during the peak days.

Webcasts of more than 170 sessions were provided, with almost 20,000 accesses to the live feeds – and over 90,000 accesses to the archives being registered. There were more than 1000 meetings held during the Conference, of which more than 150 had interpretation – with a total of close to 3,500 hours of interpretation delivered in the six languages of the Union. The translation service handled over 10,000 pages of documentation during the Conference.

### 3.2.1 Financial implications of decisions of the Conference

The Conference adopted several resolutions, which have financial implications for the Union in terms of additional expenditure. These resolutions are as follows:

* Resolution 907 (WRC-12): Use of modern electronic means of communication for administrative correspondence related to advance publication, coordination and notification of satellite networks including that related to Appendices 30, 30A and 30B, earth stations and radio astronomy stations;
* Resolution 908 (WRC-12): Electronic submission and publication of advance publication of information (API);
* Resolution 233 (WRC-12): Studies on frequency-related matters on International Mobile Telecommunications (IMT) and other terrestrial mobile broadband applications.

Table 1 summarize these decisions and their respective financial implications:

TABLE 1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Decision/Resolution | 2012 | 2013 | 2014 | Total |
| Resolution 907  Resolution 908 | CHF 95 000 | CHF 310 000  CHF 95 000 |  | CHF 310 000  CHF 190 000 |
| Resolution 233 | CHF 120 000 | CHF 240 000 | CHF 240 000 | CHF 600 000 |
| **Total** | **CHF 215 000** | **CHF 645 000** | **CHF 240 000** | **CHF 1 100 000** |

Based on the above analysis of the financial consequences resulting from WRC-12 decisions and resolutions, the total amount is estimated at CHF 1 100 000. The implementation of these activities will at the initial stages be covered from savings within the allocated budget; however, in the event that the Bureau is not able to accommodate these activities within its current allocation, other funding sources may be envisaged.

It was noted that this Council session (July, 2012) should endorse the approach proposed by the Bureau, bearing in mind that should there be any reason to revisit any shortfall in the future, Council will be requested to consider additional resource allocation.

### 3.2.2 Software development to implement decisions of the Conference

BR has started software development activities to implement WRC-12 decisions. Table 2 presents a summary of the main tasks under consideration.

TABLE 2

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| **Software development activities to implement WRC-12 decisions** |
| **SNS Database changes** |
| New Appendix 4 data items introduced by WRC-12 |
| Addition of tables for Resolution 552 [COM5/6] – new due diligence procedure for 21.4-22 GHz |
| Addition of data items for Resolution 554 [COM5/8] – special procedure for submission of BSS assignments in 21.4-22 GHz |
| Modifications for Resolution 908 [COM5/2] – electronic API |
| Modifications to tr\_aff\_ntw table to provide a mandatory list of satellite networks under 9.36.2 and 9.41 |
| **Modification to existing software** |
| New RS49 capture interface for Resolution 552 [COM5/6] |
| New Resolution 552 [COM5/6] publication |
| Modifications to technical examination software for Resolution 553 [COM5/7] |
| Modifications to technical examination software for Resolution 554 [COM5/8] – Examination tool with new pfd mask inside the coordination arc |
| Modifications to findings capture for Resolution 553 [COM5/7] |
| Modifications to SpaceCom for Resolution 553 [COM5/7] |
| New CR/F publication for Resolution 553 [COM5/7] |
| Modification to Spacecap to allow capture 20 points with the service area for Resolution 553 [COM5/7] |
| New Applications |
| Resolution 907 [COM5/1] – develop a new Web application which will provide the Administration with means to submit correspondence and filings to the BR in a secure environment.  All correspondence between the Administration and BR will be stored in BR Documentum. |
| Resolution 908 [COM5/2] – develop a new Web application which will provide the Administration with means to capture Advance Publication subject to coordination under Article 9 Sub-Section 1B |
| Resolution 908 [COM5/2] – develop a new Web application to publish Advance Publication subject to coordination under Article 9 Sub-Section 1B. |
| Resolution 908 [COM5/2] – develop an application to manage APIs which will make publications available to the IFIC and SNL.  Remove APIs after 2 years when the BR has not received a corresponding CR or notification. |

**3.2.3     General actions to implement decisions of the Conference**

The following BR circular-letters contain information related to actions to implement decisions of WRC-12:

|  |  |  |
| --- | --- | --- |
| **BR Circular** | **Date** | **Subject** |
| CR/331 | 16.3.2012 | Implementation of Resolution 555 [COM5/9] (WRC-12) |
| CR/333 | 01.05.2012 | WRC-12 decisions included in the minutes of plenary meeting relating to space services procedures |

The Bureau analyzed the decisions of the WRC-12 and their impact on the current Rules of Procedure. In this connection, the Bureau established a list of the existing Rules of Procedure which would need to be reviewed in light of the decisions of WRC‑12, as well as a preliminary list of those provisions adopted by WRC-12 which may require preparation of new Rules of Procedure.  A preliminary list of existing Rules of Procedure, not related to WRC-12 decisions, and which may require to be updated was submitted to the 59th meeting of the Radio Regulations Board (see Document RRB12-1/4).

# 4 Study group activities

This topic is presented in an addendum to this document.

# 5 WRC-15 preparation

The WRC-15 Agenda, as contained in Resolution 807 (WRC-12) (formerly [COM6/6]), will be considered at the 2012 session of the Council, which will be invited to adopt a Resolution containing that Agenda as well as further information on the precise place and exact dates of WRC‑15.

In response to a request by WRC-12, a document will be submitted to Council, containing an assessment of the implications of any reduction of the duration of a WRC.

# 5.1 CPM15-1

The first session of the Conference Preparatory Meeting for WRC-15 (CPM15-1) was held from 20 to 21 February 2012 to organize the preparatory studies for WRC-15, based on the WRC-15 Agenda prepared at WRC-12 and taking into account other WRC-12 resolutions calling for ITU-R studies and a report by the Director at WRC-15.

Circular letter [CA/201](http://www.itu.int/md/R00-CA-CIR-0201/en) of 19 March 2012, contains the results of CPM15-1, in particular the responsible and concerned ITU-R groups identified for each of the WRC-15 agenda items, including a new Joint Task Group (JTG 4-5-6-7) established by CPM15-1 to deal with WRC‑15 Agenda items 1.1 and 1.2. All responsible groups were requested to follow the guidelines for the preparation of the draft CPM texts as contained in Annex 2 to Resolution ITU-R 2-6.

CA/201 also provides information on the structure and outlines of the draft CPM Report to WRC‑15, with its six chapters, as well as on the eight Chapter Rapporteurs appointed to assist the Chairman in managing the flow of contributions and the development of the draft CPM texts.

# 6 Operational Planning

The draft Operational Plan for the period 2013-2016 is available at:   
[http://www.itu.int/ITU-R/go/operational-plans/](http://www.itu.int/ITU-R/go/operational-plans/en) for the consideration of RAG. This plan is structured in a result-based way so as to ensure a complete linkage with the budget and other financial tools of the Union. It also addresses the strategic aspects of ITU-R and provides appropriate linkage with the strategic plan of ITU.

The Performance Report for 2011 is available at: [http://www.itu.int/ITU-R/go/performance-reports/](http://www.itu.int/ITU-R/go/performance-reports/%20). It aims at providing the relevant information regarding the implementation of the outputs and activities foreseen in the ITU‑R Operational Plan for 2011. The Performance Report provides the comparison between the realized results and the expected ones as well as the respective key performance indicators. These are specified with each major Objective and within each relevant output in the document.

# 7 Information and assistance to membership

In order to inform and assist the ITU membership, in particular in developing countries, on issues relating to radiocommunication matters, the BR organises or participates in a number of spectrum related workshops, seminars, meetings and capacity building efforts. This activity is being carried out in close cooperation with the BDT, the ITU regional and area offices and the relevant international organisations or national authorities. These activities contribute directly to the capacity building and experience sharing of the ITU membership on spectrum issues. A particular effort has been to assist membership and promote cooperation in the area the transition to digital terrestrial television and the allocation of the digital dividend.

The following Tables list the events to which the BR participated/intends to participate in 2011 and 2012.

|  |  |  |  |
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| **2011** |  |  |  |
| **Title** | **Start** | **End** | **Place** |
| **SPECIALIZED UN AGENCIES** |  |  |  |
| WMO Steering Group on Radio-Frequency Coordination | 18 January | 20 January | Geneva |
| 48th sess. COPUOS Scientific & Technic. Subcommittee | 7 Feb. | 18 Feb. | Vienna |
| 15th session of IMO COMSAR | 7 March | 11 March | London |
| 31st Session of the Inter-Agency Meetings | 16 March | 18 March | Geneva |
| 24th meeting of ICAO Aeronautical Coms. Panel WG F | 17 March | 25 March | Paris |
| UN Inter Agency Meeting on "Space and Climate Change" | 18 March | 18 March | Geneva |
| UNIDIR Space Secrutity Conference 2011 | 4 April | 5 April | Geneva |
| 16th International Advisory Committee WHO/EMF | 16 May | 17 May | Ljubljana |
| 16th WMO/World Meterological Congress | 16 May | 3 June | Geneva |
| 54th session of the COPUOS | 1 June | 10 June | Vienna |
| CERN Round Table on Science and Society | 8 July | 8 July | Geneva |
| 7th Meeting of IMO/ITU Joint Experts Group | 12 Sept. | 16 Sept. | London |
| UN/Austria/ESA Symposium on Small Satellite Programmes | 13 Sept. | 16 Sept. | Graz |
| WMO Steering Group on Radio-Frequency Coordination | 3 Oct. | 5 Oct. | Geneva |
| 25th Meeting of ICAO Aeronautical Coms. Panel WG F | 10 Oct. | 14 Oct. | Dakar |
| UN/Vietnam Workshop on Space Technology Applications | 10 Oct. | 14 Oct. | Hanoi |
| UN Climate Change Conference COP 17 | 29 Nov. | 2 Dec. | Durban |
| ICAO - discuss Supervisory Auth. of intern. Registr. system | 6 Dec. | 7 Dec. | Montreal |
| UN International Meeting on the application of GNSS | 12 Dec. | 16 Dec. | Vienna |
| **REGIONAL TELECOMMUNICATION ORGANIZATIONS** |  |  |  |
| 9th meeting of CEPT CPG PTC | 18 Jan. | 20 Jan. | Toulouse |
| 6th annual Digital Broadcasting Switchover Forum (DBSF-11) | 1 Feb. | 3 Feb. | Johannesburg |
| 1st African Preparatory Meeting for WRC-12 | 1 Feb. | 3 Feb. | Abuja |
| 2nd Meeting of RCC Expert Group | 22 March | 24 March | Moscow |
| 10th Meeting of APT Wireless Group (AWG-10) | 22 March | 25 March | Bangkok |
| CEPT CPG PTA | 29 March | 31 March | Copenhagen |
| 10th meeting of ECC FM 46 | 29 March | 31 March | Istanbul |
| RCC WG on preparations for WRC-12 | 11 April | 15 April | Tashkent |
| 10th meeting of CEPT CPG PTC | 12 April | 15 April | Vilnius |
| 15th Annual General Meeting of the Pacific Islands Telecommunications Association | 12 April | 15 April | Noumea |
| ETSI 57th Meeting of the General Assembly | 19 April | 20 April | Cannes |
| 11th meeting of CEPT CPG PTD | 26 April | 29 April | France |
| 72nd Meeting of WGFM | 16 May | 20 May | Miesbach |
| CITEL PCC II | 17 May | 20 May | Santo Domingo |
| CEPT CPG/PTA | 6 June | 6 June | Bienne |
| CEPT CPG/PTE (RAG & RA-12 preparations) | 7 June | 7 June | Bienne |
| COSPAS SARSAT JC-25 | 13 June | 21 June | Hong Kong |
| CPG 12-7 | 27 June | 1 July | Oxford |
| BIPM-Workshop on Development of Advanced Time & Frequency Transfer Techniques | 28 June | 29 June | Sèvres |
| 2nd HBF-ABU Preparatory Seminar on WRC-12 | 4 July | 7 July | Kuala Lumpur |
| RCC/CEPT Meeting for WRC-12 Preparation | 5 July | 6 July | Paris |
| ATU 2nd African Group Preparatory Meeting for WRC-12 | 11 July | 14 July | Alger |
| APT CPG/APG-5 meeting for WRC-12 | 29 August | 3 Sept. | Busan |
| 51st Council Meeting & 9th Annual CTO Forum | 12 Sept. | 16 Sept. | Port of Spain |
| 11th meeting of ECC FM 46 | 20 Sept. | 22 Sept. | Tallinn |
| RCC WG on preparations for WRC-12 | 19 Sept. | 21 Sept. | Saransk |
| Joint Meeting on the RCC | 22 Sept. | 23 Sept. | Saransk |
| ECC/FM 49 - PPDR | 27 Sept. | 28 Sept. | Berlin |
| 11th meeting of CEPT CPG PTC | 27 Sept. | 30 Sept. | Mainz |
| ASMG WRC-12 preparatory meeting | 1 Oct. | 5 Oct. | Sharm el Sheikh |
| CEPT CPG/PTE (RAG & RA-12 preparations) | 3 Oct. | 4 Oct. | Copenhagen |
| CEPT CPG/PTA | 5 Oct. | 7 Oct. | Copenhagen |
| Commonwealth ITU Group | 6 Oct. | 7 Oct. | London |
| CPG 12-8 | 1 Nov. | 4 Nov. | Romania |
| ECC/FM 49 - PPDR | 14 Nov. | 15 Nov. | Helsinki |
| RCC WG on preparations for WRC-12 | 21 Nov. | 25 Nov. | Moscow |
| CITEL XVIII PCC.II | 28 Nov. | 2 Dec. | San Juan |
| ETSI 58th Meeting of the General Assembly | 29 Nov. | 30 Nov. | Cannes |
| ATU Digital Migration & Spectrum Policy Summit | 29 Nov. | 1 Dec. | Nairobi |
| GSMA 36th Plenary Meeting | 6 Dec. | 8 Dec. | El Salvador |
| 1st Meeting of the FM Maritime Forum Group (former FM46) | 13 Dec. | 14 Dec. | Copenhagen |
| **Non-ITU CONFERENCES & SYMPOSIA** |  |  |  |
| Arab Telecom & Internet Forum (ATIF-2011) | 26 Jan. | 27 Jan. | Beirut |
| CERD 2011 | 10 Feb. | 10 Feb | Bratislava |
| II International Symposium of Regulators of Telecom | 10 Feb. | 11 Feb. | La Habana |
| 5th session UNIDROIT Committee Governmental Experts | 21 Feb. | 25 Feb. | Rome |
| Munich Satellite Navigation Summit 2011 | 1 March | 3 March | Munich |
| The Fully Networked Car Workshop | 2 March | 3 March | Palexpo |
| Satellite 2011 Conference | 14 March | 17 March | Washington, DC |
| NAB Broadcasting Engineering and Management Conference | 10 April | 14 April | Las Vegas |
| International Spectrum Management & Monitoring Technol. | 27 April | 30 April | Shanghai |
| 11 Rio Wireless International Conference | 27 April | 28 April | Rio de Janeiro |
| Spectrum 20/20 | 3 May | 3 May | Ottawa |
| The Global Space and Satellite Forum 2011 | 9 May | 11 May | Abu Dhabi |
| 90th session UNIDROIT Governing Council | 9 May | 11 May | Rome |
| International Conference on Radio Spectrum | 12 May | 12 May | Bucharest |
| 4G Wireless Asia 2011 | 18 May | 20 May | Hangzhou |
| Forum "Televisión Digital Terrestre - Retor y Oportunidades" | 24 May | 24 May | Mexico |
| DigiTAG Workshop on DVB-T2 | 24 May | 25 May | Moscow |
| SatCom 2011 Africa | 30 May | 2 June | Johannesburg |
| Workshop "Assuring the Sustainability of Space" | 31 May | 31 May | Vienna |
| Arab Telecom & Internet Forum (ATIF-2011) | 2 June | 3 June | Beirut |
| Space Frequency Coordination Group-31 | 7 June | 15 June | San Francisco |
| 6th Annual European Spectrum Management Conference 2011 | 14 June | 15 June | Brussels |
| 37th GSM Arab World Conference | 21 June | 22 June | Amman |
| CommunicAsia 2011 Satellite Communications Summit | 21 June | 24 June | Singapore |
| IV Congreso de Telecomunicationes | 6 July | 8 July | Quito |
| EUROCONTROL, meeting on registration of aeron. Stations | 8 July | 8 July | Brussels |
| Symposium/Commemoration WTISD & 140th Annivers.IET | 22 July | 22 July | Colombo |
| Congress Techn. of Television + Workshop Broadcast.& Cable | 23 August | 25 August | São Paulo |
| The Latin American Spectrum Conference | 7 Sept. | 8 Sept. | Mexico City |
| APSCC 2011 - 14th Satellite Conference and Exhibition | 27 Sept. | 29 Sept. | Bali |
| 42nd IIC Annual Conference on Trends in Global Communications | 3 Oct. | 4 Oct. | Johannesburg |
| 62nd International Austronautical Congress | 3 Oct. | 7 Oct. | Cape Town |
| Conf. Perspectives for Development of Electronic Communications market in the European Unione | 19 Oct. | 20 Oct. | Warsaw |
| Americas Spectrum Management Conference | 19 Oct. | 20 Oct. | Washington |
| ACP-Europe ICT Roundtable | 20 Oct. | 21 Oct. | Brussels |
| 13th International Space Radio Monitoring Meeting | 25 Oct. | 27 Oct. | Paris |
| Conference on Coordination of Use of Spectrum from Digital Dividend on outer borders of the UE | 27 Oct. | 27 Oct. | Gdansk |
| GSC-16 (Global Standards Collaboration) | 30 Oct. | 3 Nov. | Halifax |
| UTC for the 21st century, Royal Society Meeting | 3 Nov. | 4 Nov. | Chicheley Hall |
| UNIDROIT Consult. Meeting Third Party Liability GNSS Services | 11 Nov. | 11 Nov. | Rome |
| CCWMC2011 (Intern.Comm.Conf.Wireless,Mobile & Computing) | 13 Nov. | 15 Nov. | Shanghai |
| Spectrum Management Forum 2011 | 14 Nov. | 16 Nov. | Paris |
| ANE 1st International Congress on Spectrum Management | 21 Nov. | 23 Nov. | Bogota |
| ICSSC (International Communications Satellite Systems Conf. | 28 Nov. | 1 Dec. | Nara |
| **ITU SEMINARS, WORKSHOPS & MEETINGS** |  |  |  |
| ITU/ANFR Workshop Spectrum Management Pacific Islands | 11 April | 15 April | Noumea |
| ITU Sub-Regional Seminar on Digital Terrestrial TV Broadcast. | 2 May | 4 May | Györ |
| AICTO Workshop on Radiocommunications | 10 May | 12 May | Amman |
| Regional Workshop on Digital Broadcasting Experience | 22 May | 23 May | Hanoi |
| Region Workshop on Transition to Digital Broadcasting and Digital Dividend | 26 May | 27 May | Hanoi |
| 3rd meeting Broadband Commission for Digital Development | 5 June | 6 June | Paris |
| BSG Regional Workshop for Pacific island countries | 4 July | 6 July | Fiji |
| ITU/ASP/COE Training Workshop on Spectrum Management | 14 June | 17 June | Bangkok |
| ITU/Novartis "Geneva Dialogue on M-helath" using mobile technology | 27 June | 27 June | Geneva |
| 6th ITU Symposium on ICTs, Environment and Climate Change | 7 July | 8 July | Ghana |
| ITU Seminar "Advanced Spectrum Management” | 12 Sept. | 16 Sept. | Almaty |
| ITU Workshop"Progressing climate agenda through green ICTs" | 19 Sept. | 19 Sept. | Seoul |
| ITU-T SG 5 Meeting | 20 Sept. | 23 Sept. | Seoul |
| Global Symposium for Regulators (GSR) | 20 Sept. | 23 Sept. | Armenia (CLM) |
| BSG Regional Workshop | 27 Sept. | 28 Sept. | Algeria |
| ITU Regional Seminar Broadband Access for CIS/ASP/EUR | 3 Oct. | 6 Oct. | Chisinau |
| ITU/Serbia Workshop on transition to digital TV and digital dividend | 6 Oct. | 7 Oct. | Belgrade |
| Telecom World 2011 | 24 Oct. | 27 Oct. | Geneva |
| ITU Regional Workshop on transition to digital TV | 21 Nov. | 25 Nov. | Bangkok |
| Regional Conference on Digital Switchover processes | 22 Nov. | 23 Nov. | Belgrade |
| ITU workshop on digital TV migration and digital dividend | 23 Nov. | 25 Nov. | Tegucigalpa |
| Policy for Broadcasting and Communication course | 28 Nov. | 6 Dec. | Korea |
| ARB Spectrum Management Workshop | 5 Dec. | 7 Dec. | Amman |
| ITU/ATU/ITSO Space Seminar | 5 Dec. | 9 Dec. | Niamey (Niger) |
| Workshop on High frequency spectrum monitoring co-ordination in ASEAN | 8 Dec. | 9 Dec. | Nha Trang |
| ITU Kleidoscope event | 12 Dec. | 14 Dec. | Cape Town |
| ITU Regional Space Workshop | 13 Dec. | 16 Dec. | Bangkok |
| **ASSISTANCE/INFORMATION REQUESTS** |  |  |  |
| Assistance to Mali roadmap for the TV digital migration | 3 Feb. | 15 Feb. | Bamako |
| Assistance to Mali roadmap for the TV digital migration | 10 March | 17 March | Bamako |
| Assistance to Azerbaijan for satellite networks | 11 April | 15 April | Baku |
| Invitation Radio Research Agency for 2-day presentations | 25 May | 26 May | Seoul |
| Assistance to Serbia - Digital broadcasting switchover | 22 June | 24 June | Belgrade |
| Visit Ministry of ICT + Seminar National Policy on Satellite Sciences | 2 Sept. | 2 Sept. | Bangkok |
| 1st meeting ANE Technical Working Groups prep. WRC-12 | 16 Sept. | 16 Sept. | Bogota |
| Assistance to South Sudan | 28 Sept. | 30 Sept. | South Sudan |
| Visit to Yahsat | 12 Nov. | 15 Nov. | Abu Dhabi |
| Assistance to Niger on strategic plan for transition to digital TV | 14 Dec. | 16 Dec. | Niamey |
| Assistance to Albania on strategic plan for transition to digital TV | 21 Dec. | 22 Dec. | Tirana |

|  |  |  |  |
| --- | --- | --- | --- |
| **2012** |  |  |  |
| **Title** | **Start** | **End** | **Place** |
| **SPECIALIZED UN AGENCIES** |  |  |  |
| 49th Session COPUOS Scientific & Techn. Subcom. (STS-49) | 13 Feb. | 13 Feb. | Vienna |
| 32nd session UN Inter-Agency Meeting on Outer Space Affairs | 7 March | 9 March | Rome |
| 16th session of IMO COMSAR | 12 March | 16 March | London |
| 26th meeting of ICAO Aeronautical Coms. Panel WG-F | 21 March | 30 March | Montreal |
| 51st Session Legal Subcommittee COPUOS (19-30 March) | 26 March | 28 March | Vienna |
| 12th Annual Plenary Meeting UNGIWG (28-30 March) | 29 March | 30 March | Vienna |
| UNIDIR - Space Security Conference | 29 March | 30 March | Geneva |
| 55th session of COPUOS | 8 June | 8 June | Vienna |
| Dialogue on Sustainable Development | 16 June | 19 June | Rio de Janeiro |
| Rio +20 Summit | 20 June | 22 June | Rio de Janeiro |
| 27th meeting of ICAO Aeronautical Coms. Panel WG-F | 17 Sept. | 26 Sept. | Montreal |
| 8th Meeting of IMO/ITU Joint Experts Group | 8 Oct. | 12 Oct. | London, UK |
| IMO International Conference on the safety of fishing vessels | 9 Oct. | 11 Oct. | Cape Town |
| UN/Japan Nano-Satellite Symposium | 10 Oct. | 13 Oct. | Nagoya |
| **REGIONAL TELECOMMUNICATION ORGANIZATIONS** |  |  |  |
| 2nd meeting of FM Maritime Forum Group (former PT46) | 7 March | 8 March | Hamburg |
| 3rd Meeting of the WG FM Project - FM PT 49 | 20 March | 21 March | Copenhagen |
| ANCOM Regional Meeting on Mobile Communications Spectrum Harmonization | 29 March | 30 March | Bucharest |
| 12th Meeting of the APT Wireless Group (AWG-12) | 10 April | 13 April | Xiamen |
| CEPT/CPG Meeting | 16 April | 18 April | Mainz |
| 16th Annual General Meeting of the Pacific Islands Telecommunications Association | 16 April | 20 April | Norfolk |
| 74th WGFM | 23 April | 27 April | Bern |
| Joint ECC/ETSI/COST-TERRA Workshop on Cognitive radio | 2 May | 3 May | Mainz |
| RCC WG on preparations for WRC-15 | 21 May | 25 May | Moscow |
| COSPAS SARSAT JC-26 | 12 June | 20 June | Montreal |
| CEPT FM 49 (PPDR) | 14 June | 15 June | Germany |
| CEPT CPG/PTA Meeting | 5 Sept. | 7 Sept. | London |
| 3rd meeting of FM Maritime Forum Group (former PT46) | 25 Sept. | 27 Sept. | Malta |
| **Non-ITU CONFERENCES & SYMPOSIA** |  |  |  |
| ABU-HFC and HFCC/ASBU Coordination Meeting | 9 Jan. | 13 Jan. | Kuala Lumpur |
| 63rd Annual Technology & Engineering EMMY Award | 12 Jan. | 12 Jan. | Las Vegas |
| UNIDROIT - Diplomatic Conference | 27 Feb. | 9 March | Berlin |
| GSMA Mobile World Congress 2012 - Ministerial Programme | 27 Feb. | 29 Feb. | Barcelona |
| CABSAT & Satellite MENA | 29 Feb. | 29 Feb. | Dubai |
| Digital TV Group (DTG) Summit | 2 March | 2 March | London |
| Dynamic Spectrum Conference | 7 March | 7 March | Brussels |
| Satellite 2012 | 12 March | 15 March | Washington |
| Munich Satellite Navigation Summit - GNSS | 13 March | 15 March | Munich |
| Radio Symposium | 12 March | 12 March | Tokyo |
| CJK Meeting | 14 March | 16 March | Miyazaki |
| 8th Annual Professional Conference CERD 2012 | 15 March | 16 March | Bratislava |
| Middle East Spectrum Conference | 20 March | 21 March | Bahrain |
| Annual Colloquium of the Journal of Regulation | 22 March | 22 March | Paris |
| 2nd Caribbean Spectrum Management Seminar: Digital Switchover | 2 April | 3 April | Port of Spain |
| Asia Pacific Radio Spectrum Conference 2012 | 12 April | 13 April | Hong Kong |
| South East Europe Digital Television (digi.TV) Conference | 19 April | 20 April | Trieste |
| IISC Workshop concerning the Satellite Data Association (SDA) | 9 May | 9 May | Isle of Man |
| SMPTE Forum on Emerging Media Technologies | 13 May | 15 May | Geneva |
| ASBU Workshop on Broadcasting related issues | 15 May | 17 May | Tunisia |
| Workshop "ICT and Women" occasion of World Telecom Day | 17 May | 17 May | Izmir |
| 12th Annual Rio Wireless International Conference | 21 May | 22 May | Rio de Janeiro |
| International Seminar on transition towards all-digital in broadcasting sector | 22 May | 23 May | Conakry |
| Global Space Exploration Conference | 22 May | 24 May | Washington |
| Intl. Space Workshop on WRC-12 results - SES University | 24 May | 25 May | Luxembourg |
| CASETEL "Lineamientos para una Agenda Digital" | 7 June | 7 June | Caracas |
| 32nd Annual Space Frequency Coordination Group (SFCG) | 12 June | 20 June | Darmstadt |
| EU Spectrum Management Conference | 19 June | 20 June | Brussels |
| CommunicAsia2012 Summit - Satellite Communications Track | 19 June | 20 June | Singapore |
| Toulouse Space Show | 25 June | 28 June | Toulouse |
| Broadband for All - Annual Seminar Ericsson | 25 June | 25 June | Stockholm |
| Tall Ships Race | 5 July | 7 July | St. Malo |
| Spectrum Management and Utilization - URSI Symposium | 2 Sept. | 7 Sept. | Cape Town |
| Mintel - Seminar on Spectrum Management for Scientific Sces. | 13 Sept. | 14 Sept. | Quito |
| BIT's 1st Annual World Congress of Ocean - Wireress Technologies | 20 Sept. | 23 Sept. | Dalian |
| 63rd Intl. Astronautical Congress -Lecture Outcomes of WRC-12 | 2 Oct. | 2 Oct. | Naples |
| WWRF - Workshop 2012 | 23 Oct. | 25 Oct. | Berlin |
| **ITU SEMINARS, WORKSHOPS & MEETINGS** |  |  |  |
| ITU Regional Workshop on transition to digital TV | 27 Feb. | 2 March | Bangkok |
| ITU/AICTO Seminar | 28 Feb. | 29 Feb. | Tunis |
| Connect Arab States Summit | 5 March | 7 March | Doha |
| ATU/ITU Workshop and frequency coordination meeting on transition to digital TV and digital dividend | 12 March | 15 March | Bamako |
| CoE training on the transition and digital dividend | 14 March | 16 March | Athens |
| ATU/ITU Workshop and frequency coordination meeting on transition to digital TV and digital dividend | 16 April | 20 April | Kampala |
| Regional Development Forum for the Americas | 18 April | 19 April | Mexico City |
| ITU Regional Space Workshop | 23 April | 27 April | Bangkok |
| Workshop on Spectrum Management and Digital Dividend | 7 May | 8 May | Warsaw |
| Regional Development Forum for Africa | 9 May | 11 May | Kigali |
| Americas Region Preparatory Meeting for WTSA-12 | 14 May | 15 May | Buenos Aires |
| Regional Development Forum for Asia-Pacific | 16 May | 18 May | Bangkok |
| ITU/CTU/CBU Workshop and frequency coordination meeting on transition to digital TV and digital dividend | 21 May | 25 May | Barbados |
| Regional Development Forum for CIS countries | 23 May | 23 May | Chisinau |
| 7th Symposium on ICTs, the Environment and Climate Change | 29 May | 31 May | Montreal |
| Workshop on transition to digital TV and digital dividend | 30 May | 1 June | Uruguay |
| Workshop on Radiocommunication development in light of WRC-12 | 6 June | 8 June | St. Petersburg |
| ITU Spectrum Management Workshop | 18 June | 21 June | Bogota |
| Connect Americas Summit | 17 July | 19 July | Panama |
| CLM/ITU Multi-stakeholder Forum - Role of ICT in Disaster | 24 July | 26 July | Bogota |
| ATU/ITU Digital Transition and Spectrum Policy Summit | 4 Sept. | 6 Sept. | Abuja |
| Workshop on Ka-band satellite communications | 5 Sept. | 7 Sept. | Kazakhstan |
| Seminar RAPAF - Broadcasting Regulators – Transition to digital television | 26 Sept. | 28 Sept. | Libreville |
| GSR-12 | 2 Oct. | 4 Oct. | Colombo |
| ITU/APBU Regional Seminar on ICTs, Environment & Climate change | 31 Oct. | 2 Nov. | Jakarta |
| ITU Radiocommunication Seminar | 3 Dec. | 7 Dec. | Geneva |
| GSS & WTSA-12 | 18 Nov. | 29 Nov. | Dubai |
| WCIT-12 | 2 Dec. | 14 Dec. | Dubai |
| **ASSISTANCE REQUESTS** |  |  |  |
| Assistance to Albania on strategic plan for transition to digital TV | 10 Jan. | 10 Jan. | Tirana |
| Space and Terrestrial services training for Venezuela | 4 Sept. | 7 Sept. | Geneva |
|  | | | |

A comprehensive list of seminars and workshops organized directly by the ITU or in cooperation with other regional or national entities is given at: <http://www.itu.int/ITU-R/go/seminars>.

# 8 BR International Frequency Information Circular (BR IFIC)

This topic is presented in an addendum to this document.

# 9 Statistics on Sector Members, Associates and Academia

This topic is presented in an addendum to this document.

**Annex: 1**

**Annex**

extract of the ITU biennial Budget for 2012-2013 (Council Resolution 1337)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  |  |  |  |  |  |
| **Budget 2012-2013 - Radiocommunication Sector** | | | | | | | |
|  |  | **In thousands of Swiss francs** | | | | | |
| **Operating expenses by section** | | **Actual** | **Budget** | **Actual** | **Estimates** | **Estimates** | **Estimates** |
|  |  | **2008-2009** | **2010-2011** | **2010** | **2012** | **2013** | **2012-2013** |
|  |  |  |  |  |  |  |  |
| Section 3.1 | World radiocommunication conferences | 256 | 0 | 0 | 3'000 | 0 | **3'000** |
|  |  |  |  |  |  |  |  |
| Section 3.2 | Radiocommunication assemblies | 0 | 0 | 0 | 375 | 0 | **375** |
|  |  |  |  |  |  |  |  |
| Section 4.1 | Regional radiocommunication conferences | 0 | 0 | 0 | 0 | 0 | **0** |
|  |  |  |  |  |  |  |  |
| Section 5.1 | Radio Regulations Board | 1'088 | 1'250 | 506 | 681 | 682 | **1'363** |
|  |  |  |  |  |  |  |  |
| Section 5.2 | Radiocommunication Advisory Group | 89 | 150 | 42 | 62 | 61 | **123** |
|  |  |  |  |  |  |  |  |
| Section 6 | Study groups | 1'441 | 2'565 | 694 | 875 | 875 | **1'750** |
|  |  |  |  |  |  |  |  |
| Section 7 | Activities and programmes | 2'959 | 2'490 | 1'303 | 960 | 960 | **1'920** |
|  |  |  |  |  |  |  |  |
| Section 8 | Seminars | 380 | 474 | 309 | 472 | 472 | **944** |
|  |  |  |  |  |  |  |  |
| Section 9 | Bureau | 54'621 | 58'843 | 27'894 | 26'168 | 26'157 | **52'325** |
|  | - Common expenditure | 1'489 | 1'655 | 1'260 | 1'034 | 1'034 | **2'068** |
|  | - Office of the Director | 1'107 | 1'116 | 582 | 639 | 639 | **1'278** |
|  | - Study Groups Department | 5'722 | 6'070 | 3'245 | 3'122 | 3'121 | **6'243** |
|  | - Space Services Department | 18'898 | 18'946 | 8'784 | 8'254 | 8'242 | **16'496** |
|  | - Terrestrial Services Department | 13'762 | 15'170 | 7'138 | 6'565 | 6'566 | **13'131** |
|  | - Informatics, Administration & Publications Department | 13'643 | 15'886 | 6'884 | 6'554 | 6'555 | **13'109** |
|  |  |  |  |  |  |  |  |
| **TOTAL** |  | **60'834** | **65'772** | **30'749** | **32'593** | **29'207** | **61'800** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Budget 2012-2013 - Radiocommunication Sector** | | | | | | | | | | |
| **Operating expenses by section and category** |  |  |  |  |  | **In thousands of Swiss francs** | | | | |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **Staff Costs** | **Other staff costs** | **Travel on duty** | **Contract. services** | **Rental and maint. of premises and equipment** | **Material and supplies** | **Acquisition of premises, furniture and equipment** | **Public and internal service utilities** | **Audit and inter-agency fees and misc.** | **Total** |
|  | **Cat. 1** | **Cat. 2** | **Cat. 3** | **Cat. 4** | **Cat. 5** | **Cat. 6** | **Cat. 7** | **Cat. 8** | **Cat. 9** |  |
| **Estimates 2012** |  |  |  |  |  |  |  |  |  |  |
| World Radiocommunication Conference | 2'059 | 70 | 233 | 450 | 100 | 55 | 0 | 8 | 25 | **3'000** |
| Radiocommunication Assembly | 251 | 46 | 0 | 60 | 5 | 5 | 0 | 3 | 5 | **375** |
| Radio Regulations Board | 252 | 46 | 368 | 0 | 0 | 1 | 0 | 4 | 10 | **681** |
| Radiocommunication Advisory Group | 52 | 3 | 0 | 0 | 0 | 1 | 0 | 1 | 5 | **62** |
| Study groups | 692 | 47 | 61 | 0 | 30 | 20 | 0 | 15 | 10 | **875** |
| Activities and programmes | 0 | 0 | 0 | 584 | 0 | 16 | 0 | 350 | 10 | **960** |
| Seminars | 231 | 31 | 158 | 0 | 35 | 5 | 0 | 5 | 7 | **472** |
| Bureau |  |  |  |  |  |  |  |  |  |  |
| - Office of the Director | 427 | 112 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | **639** |
| - Departments | 19'371 | 5'124 | 424 | 330 | 40 | 75 | 80 | 55 | 30 | **25'529** |
|  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **23'335** | **5'479** | **1'344** | **1'424** | **210** | **178** | **80** | **441** | **102** | **32'593** |
| **Estimates 2013** |  |  |  |  |  |  |  |  |  |  |
| World Radiocommunication Conference | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0** |
| Radiocommunication Assembly | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0** |
| Radio Regulations Board | 253 | 46 | 368 | 0 | 0 | 1 | 0 | 4 | 10 | **682** |
| Radiocommunication Advisory Group | 52 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | **61** |
| Study groups | 692 | 47 | 61 | 0 | 30 | 20 | 0 | 15 | 10 | **875** |
| Activities and programmes | 0 | 0 | 0 | 590 | 0 | 10 | 0 | 350 | 10 | **960** |
| Seminars | 230 | 31 | 158 | 0 | 35 | 5 | 0 | 5 | 8 | **472** |
| Bureau |  |  |  |  |  |  |  |  |  |  |
| - Office of the Director | 427 | 112 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | **639** |
| - Departments | 19'361 | 5'123 | 424 | 330 | 40 | 75 | 80 | 55 | 30 | **25'518** |
|  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **21'015** | **5'362** | **1'111** | **920** | **105** | **111** | **80** | **430** | **73** | **29'207** |
| **Estimates 2012-2013** |  |  |  |  |  |  |  |  |  |  |
| World Radiocommunication Conference | 2'059 | 70 | 233 | 450 | 100 | 55 | 0 | 8 | 25 | **3'000** |
| Radiocommunication Assembly | 251 | 46 | 0 | 60 | 5 | 5 | 0 | 3 | 5 | **375** |
| Radio Regulations Board | 505 | 92 | 736 | 0 | 0 | 2 | 0 | 8 | 20 | **1'363** |
| Radiocommunication Advisory Group | 104 | 6 | 0 | 0 | 0 | 1 | 0 | 2 | 10 | **123** |
| Study groups | 1'384 | 94 | 122 | 0 | 60 | 40 | 0 | 30 | 20 | **1'750** |
| Activities and programmes | 0 | 0 | 0 | 1'174 | 0 | 26 | 0 | 700 | 20 | **1'920** |
| Seminars | 461 | 62 | 316 | 0 | 70 | 10 | 0 | 10 | 15 | **944** |
| Bureau |  |  |  |  |  |  |  |  |  |  |
| - Office of the Director | 854 | 224 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | **1'278** |
| - Departments | 38'732 | 10'247 | 848 | 660 | 80 | 150 | 160 | 110 | 60 | **51'047** |
|  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **44'350** | **10'841** | **2'455** | **2'344** | **315** | **289** | **160** | **871** | **175** | **61'800** |

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