

**IMPLEMENTATION OF THE 2002 OPERATIONAL PLAN  
(ACTIVITIES OF TERRESTRIAL SERVICES DEPARTMENT (TSD))**

***Executive summary***

During the year 2002, TSD's activities were focused on the treatment of submissions from administrations, mainly frequency assignment notices to stations in various terrestrial radiocommunication services, under the relevant provisions of Articles 9, 11, 12 and 20 of the Radio Regulations, as well as under the relevant provisions of various Regional Agreements. The TSD's objective (to carry out the standard processing and examination procedures within the statutory limits and to eliminate the accumulated backlog, either through a standard tool or through alternate solutions) was achieved with respect to the major part of administrations' submissions; however, slight backlog is being accumulated in some areas (e.g., Article 11 examinations in the bands shared with space service, Article 11 examinations in the LF/MF bands).

The relevant information resulting from these activities was published according to the standard patterns:

- on a bi-weekly basis, through the International Frequency Information Circular (IFIC), for the submissions under Articles 9 of the RR, under various plan modification procedures, and under Article 11 of the RR;
- on a monthly basis, through regular CD publications, for the submission under Article 12 of the RR;
- in accordance with pre-established schedules, as indicated in the relevant publication notices, for the submissions relevant to the publication of various service documents listed in Article 20 of the RR.

At the same time, TSD continued to meet the increasing demand for assistance from administrations, international organizations, private companies and other entities in the application of regulatory, administrative and operational procedures including detailed calculation results and test calculations. Reports of harmful interference were accorded the highest priority, as were reports of unauthorized emissions in frequency bands reserved for safety services.

TSD also applied the relevant administrative and operational procedures, and the outcomes of these procedures (e.g., provision of appropriate means of identification) have been disseminated accordingly (e.g., through the Operational Bulletin).

In addition, TSD continued to maintain several databases (such as the electronic version of the IFL, several worldwide and regional plans, the ship and coast stations databases), which represent reference tools for numerous applications. The uninterrupted on-line availability of the ship stations database, to the registered users, through Internet, was highly appreciated by the search and rescue authorities as indispensable tool for their everyday activities.

TSD continued to participate in the further development and testing of the software tools for the processing of notices for terrestrial services (TerRaSys), bearing in mind that the former processing system (FMS) was phased out at the end of 1999, due to the incompatibility of the ITU mainframe configuration with the Year-2000 requirements. In the areas where no operational tools are yet integrated within TerRaSys, the Department continued with the application of the provisional arrangements implemented in 2000 and 2001 (use of software for off-line data capture, including partial validation, and for publication of the partly validated notices on a provisional basis; publication of the GE75 special sections outside TerRaSys, examination of the partly-validated FXM notices in the non-shared bands, formulation of provisional findings and their promulgation through the BRIFIC and Internet). Further provisional arrangements were introduced in 2002 (publication of the RJ81 special sections outside TerRaSys), with a view to minimizing the impact of the incomplete BR software on administrations' rights; such provisional arrangements were highly appreciated by the administrations.

## **4 Activities related to the preparations for WRC-03<sup>1</sup>**

4.1 In 2002, staff of the Department was involved in the preparation of some of the statutory reports to CPM-02/WRC-03. The initial review of the Resolutions and Recommendations from previous WRCs and WARCAs was completed and the related report was submitted to RAG-2002 for consideration and advice, as stipulated in Resolution 95(Rev.WRC-2000), to the Special Committee (for its meeting in July 2002), and to CPM-02 (as updated version which included the advice from SC and CVC). An additional report concerning the experiences in the application of the radio regulatory procedures was completed and submitted initially to the Special Committee and thereafter to CPM-02 (as updated version), for early consideration by administrations, as advised by WRC-2000, RAG-01 and RAG-02.

4.2 Staff of the Department also continued with the ongoing activities related to the preparation of WRC-03, such as organization of monitoring programmes in response to Resolutions 207(Rev.WRC-2000) and 350(WRC-2000) and processing of monitoring observations, submitting briefing notes and explanatory texts related to various WRC-03 agenda items, participation in meetings of ITU-R Study Groups, of regional telecommunication organizations (e.g., CEPT WG FM) and international organizations (e.g., IMO COMSAR, IMO MSC), etc.

4.3 Staff of the Department participated in CPM-02 (18-29 November 2002), in advisory capacity and as part of the CPM Secretariat.

*Performance indicator (for TSD):* Satisfactory (all activities initiated in time). The staff resources used were within the forecasts indicated in the Operational Plan.

## **6 Activities related to the preparations for RRC-04/05**

6.1 In 2002, staff of the department was involved in various kind of preparatory activities related to the RRC-04/05, such as: participation in the activities of TG6/8 including preparation of submissions to TG6/8, participation in the meetings of the regional organizations (CEPT and EBU), preparation of input documents for C-2002 and other inputs for the General Secretariat in response to Resolution 1180 from C-2001, etc.

6.2 Preparatory activities have been initiated for organizing an information meeting in early 2003, as advised by RAG-02 (see CA/123 and its corrigendum); however, the definitive arrangement could not be finalized.

*Performance indicator (for TSD):* Satisfactory (all activities initiated in time). The staff resources used were within the forecasts indicated in the Operational Plan.

## **7 RRB-related activities**

7.1 In 2002, staff of the Department was involved, to some extent, in the ongoing review of the current Rules of procedure with a view to their adaptation to the decisions of WRC-2000, as well as in the preparation of other draft rules necessary for ongoing examinations (cf. Circular-letter CCR/18).

7.2 As requested by administrations of the Member States present at the March-2002 meeting of ITU-R Study Group 6, staff of the Department undertook a special study, under RR13.15, regarding the possibility of using digital modulation in the LF/MF BC bands that are governed by the Regional Agreements GE75, RJ81 and RJ88. The results of the study were dispatched to administrations in CCR/20 (6 September 2002), for comments, and subsequently submitted to RRB, who approved the concerned Rules of Procedure resulting from this study (see CR/187).

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<sup>1</sup> The numbering of sections follows the numbering scheme of the ITU-R Operational Plan for 2002-2003, see CA/116 at <http://www.itu.int/ITU-R/information/plans/index.html>.

*Performance indicator:* Satisfactory (timely response to all activities related to the Rules of procedure; timely completion of the relevant studies). The staff resources used were within the forecasts indicated in the Operational Plan.

## **8 RAG-related activities**

Staff of the Department prepared the necessary input to the tenth RAG meeting (25 February – 1 March 2002) as well as the necessary organizational support. The conclusions from the RAG-2002 meeting were scrutinized and appropriate follow-up activities were initiated and carried out (e.g., submission of document to the Council group on the Strategic Plan, establishment of arrangements for the newly created correspondence groups, etc).

In addition, preparatory activities for the RAG-2003 meeting were initiated, including the preparation of the invitation and the draft agenda (see CA/121), some of the inputs documents (including the Director's report to RAG-03), as well as organizing an informal meeting of RAG during CPM-02.

*Performance indicator:* Satisfactory (timely response to all RAG-related activities; satisfaction has been expressed by Member States and Sector Members). The staff resources used were within the forecasts indicated in the Operational Plan.

## **10 Seminars and related activities**

10.1 Staff of the Department participated in the biennial BR Seminar (Geneva, 11 – 15 November 2002), which included extensive preparatory activities as well as conduct of the associated workshops for terrestrial services, and in the Regional BR Seminar in St. Petersburg (1 – 5 July 2002).

10.2 Staff of the Department also supported some of the BDT activities (e.g., participation in BDT Workshop on spectrum management in Dakar (10 –14 June 2002)).

*Performance indicator:* Satisfactory (timely response to all seminar-related activities). The staff resources used were within the forecasts indicated in the Operational Plan.

## **11. Development of BR publications and related activities**

### **11.2 Regulatory publications (including publication of service documents)**

11.2.1 In 2002, the preparation of the regulatory publications and the service documents followed the standard pattern, as foreseen in the Operational Plan, notably:

11.2.1.1 The BR International Frequency Information Circular (BRIFIC) was published regularly, with no delay, every two weeks, and the concerned website was updated on a regular basis;

11.2.1.2 List of Coast Stations (List IV): the 18<sup>th</sup> edition of the List was published in April. This consists of 577 pages of particulars of public correspondence stations, 227 pages of text on notes & charges, and 61 pages on stations participating in the Global Maritime Distress & Safety Service (GMDSS). As usual, page setting for the edition was done by the Composition Service and checked by the TPR/SDP. Supplement No. 1 to the 18<sup>th</sup> edition was published in November and consists of 42 pages.

11.2.1.3 List of ship stations (List V): Recapitulative supplement No. 2 and supplement No. 3 to the 41<sup>st</sup> edition of the List were published in February and in April 2002, respectively. The 42<sup>nd</sup> edition of the List was published in July in the same formats as the previous 41<sup>st</sup> edition (paper and CD ROM). In addition, supplements 1 and 2 of the 42<sup>nd</sup> edition were published in September and December, respectively.

As the current criterion for determination of stations that need to be included in the paper part of the edition (all ship stations excepting those installed on board yacht pleasure ships) did not sufficiently reduce the number of stations in the paper publication, a new criterion was elaborated (ship stations with a notified MMSI) in order to restrict the paper edition to only those stations that may be engaged in international relations. In accordance with No. 20.15 of the Radio Regulations, the Bureau invited comments from administrations and the relevant international organizations, through Circular letter CM/12, on the possible use of the newly proposed criterion, which would be applicable to the future editions. The proposed new criteria have been approved by the administrations that replied within the consultation period (nineteen replies) and the forthcoming edition (due out in 2003) will be prepared under the new arrangement.

Further contacts were made with other publishers that are using the BR database of ship stations in their publications (e.g., with the Lloyd's Register Fairplay, the publisher of the World Shipping Encyclopaedia), with a view to enhance the current cooperation arrangements (e.g., supply of the BR data in a different format, and on a more frequent basis, etc).

11.2.1.4 List of Radiodetermination and Special Service Stations (List VI): The 4<sup>th</sup> supplement of the 14<sup>th</sup> edition of the List was published in June 2002. Preparations for the 15<sup>th</sup> edition of the List are in progress. Requests for updates of the published information have been sent to the administrations and, in this context, two types of multi-destination letters were dispatched to administrations:

- a) to 73 administrations with updated information (within the last two editions) in the current List and of whom 25 have responded so far. However, all the stations particulars of the 72 administrations will be retained in the next edition of List VI with the necessary updating where applicable;
- b) to 72 administrations having particulars of their stations in the current List but have failed to review their entries in the List for the past two editions. These later administrations have been further advised that if no confirmation or updating of their station data is received by the BR by a specified date, then their relevant entries will be excluded from the next edition of the List (10 administrations of this category have responded). A second reminder was sent to 62 non-responding administrations and only 4 replies were received. As a result, the stations particulars pertaining to the 58 non responding Administrations of this second category have been deleted and they will not appear in the 15<sup>th</sup> edition of the List.

11.2.1.5 List of Call-signs of Maritime mobile Stations (List VIIA): Supplements No. 3, 4, 5 and 6 of the List were published in January, April, July and October 2002 respectively. The manuscripts of the publication notices (F/E/S), for the 21<sup>st</sup> Edition (April 2003), were transmitted to the Composition Service in December 2002.

11.2.1.6 List of Monitoring Stations (List VIII): The 9<sup>th</sup> edition has been introduced in the electronic bookshop of the Union thus supplementing the paper edition of the List. One amendment has been published in Operational Bulletin 775.

11.2.1.7 Optional Provision: Circular letter CR/174 has been dispatched requesting administrations to advise their position as regards radiocommunications between amateur stations of their country and amateur stations of other countries. Administrations were further requested to notify the form of call sign assigned to their amateur stations. This information was subsequently published as annex to the Operational Bulletin No. 767 (1 July 2002). Two amendments to the Optional provisions publication, which have been received so far, have been reflected in Operational Bulletin 773 and 776.

11.2.2 Relevant details are included in Table 11.2-1.

**Table 11.2-1: Cumulative statistics concerning preparation of Service documents**

Service Documents	Publication	Pages	No. of incoming Notifications (all formats)	No. of transactions (including magnetic tapes & diskettes)
List IV (COAST STATIONS)	18 <sup>th</sup> edition + 1 supplement	992	39	1 025
LIST V (SHIP STATIONS)	One edition + 4 supplements	4 303+6 CDROMs	1 726	156 467
LIST VI (RADIODETERMINATION)	Suppl. 4 to 14 <sup>th</sup> edition	68	103	3 346
LIST VIIA	Four supplements to the 20 <sup>th</sup> edition	1 686	Internal extraction	
LIST VIII	One amendment in OB775	2	1	1
OPTIONAL PROVISION	Full publication in OB767 + two amendments in OB773 and 776	122	5	390
OPERATIONAL BULLETIN	No. 773, 775, 776 & 778	37		113

11.2.3 In addition to the standard treatment of notifications from administrations related to the above publications, activities were also undertaken on the publication of the relevant information in the ITU Operational Bulletin. The Bureau also continues to maintain and to update, on a regular basis, the ship-station database for use by the maritime mobile access and retrieval system (MARS). Pursuant to the request from Cospas-Sarsat, and following the meeting of WP 8B, new enhancements were put into production in January 2002, which provide the possibility for supplementary search by EPIRB identification. In addition, new trilingual version of the MARS system, in the three working languages of the Union (F/E/S), was put into production in November and is now accessible over Internet.

11.2.4 Staff of the Bureau updated the portion of the web site related to terrestrial services, in accordance with the new templates and directives adopted by the Web Board.

*Performance indicator:* satisfactory (all activities initiated and/or completed according to pre-established schedules; some complaints are still being received from users, on the difficulties in installing the BRIFIC: they are normally forwarded to IAP and they seem to be resolved on a case-by-case basis). The staff resources used were within the forecasts indicated in the Operational Plan.

## **13 Treatment of notices and other submissions related to terrestrial services**

### **13.1 General observations**

13.1.1 In 2002, staff of the Department continued to process notices pertaining to terrestrial services under various arrangements:

- Using those TerRaSys tools that have been brought into production (notably the tools for processing submissions to BC and BT notices in the VHF and UHF bands);

- Using the provisional tools that have been developed by TSD (for some categories of FXM<sup>2</sup> notices and for some types of examinations related to FXM notices);
- Using local plan management systems and similar equivalents outside TerRaSys (such arrangements are used in the context of the AP26, GE75 and RJ81 Plans, as well as in the context of the HF Broadcasting under Article 12 of the RR – see paragraph 13.3.3);
- Using semi-automated or manual procedures (such arrangement is used in the context of the Article 9 submissions, for examinations of Article 11 notices to non-planned services in the bands governed by the Agreement GE89, and for some type of examinations under AP25 and GE85-MM Plans).

13.1.2 However, the Department is still without any operational tool (either standard or provisional) in several areas and no activity is being performed yet in the following areas:

- Processing and examinations of new submissions related to the plan modification procedures, which necessitate assessment of the compatibility, in the context of the following plans: AP25, GE85-MM and GE85-EMA;
- Processing and examinations of Article 11 notices in the LF/MF BC bands;
- Examinations of Article 11 notices to planned services in the bands governed by the GE85-EMA Agreement, to non-planned services in the bands governed by the Agreement RJ88, and to all FXM notices in the bands shared with space services.

### 13.3 Details concerning the activities related to the application of the regulatory procedures pertaining to terrestrial services

#### 13.3.1 Coordination requests pertaining to terrestrial services

Table 13.3.1-1 indicates the activities related to coordination requests (under 9.21) pertaining to terrestrial services. This activity is being performed in a manual or semi-automated manner, outside TerRaSys.

**Table 13.3.1-1: Treatment of coordination requests (under 9.21)**

Expected input	100
Received notices	10
Examined notices (including previous periods)	10
No. of active cases	4
Performance indicator for examination	satisfactory
Backlog (weeks)	0

*Performance indicator:* satisfactory. All coordination requests were treated in the statutory period. The resources used were proportional to the forecasts indicated in the Operational Plan (having in mind the actual volume of notices).

#### 13.3.2 Plan modification procedures for terrestrial services

Tables 13.3.2-1 and 13.3.2-2 summarize the activities related to plan modification procedures pertaining to terrestrial services.

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<sup>2</sup> FXM stands for the submissions in the fixed, mobile and other services, except the broadcasting service in the LF/MF and VHF/UHF bands.

**Table 13.3.2-1: Submissions under plan modification procedures (BC/BT services)**

Procedure	ST61	GE75	RJ81	GE84	GE89
Expected input	2 500	80	60	2 000	200
Received notices	24 595	57	2	3 681	267
<b>Capture and Validation</b>					
Captured notices	24 595	57	2	3 681	267
Performance indicator for data capture	Satisfactory	(Note 1)	(Note 1)	Satisfactory	Satisfactory
Backlog (weeks)	0	(Note 1)	(Note 1)	0	0
<b>Examination and publication</b>					
Published notices (Part A)	9 335	53	28	2 588	62
Notices awaiting publication in Part A	94 (1 week) (Note 2)	13 (5 weeks)	2 (12 weeks)	487 (15 weeks)	30 (10 weeks)
Published notices (Part B)	1 412	103	18	494	180
Notices awaiting publication in Part B	2 966 (20 weeks) (Note 2)	6 (7 weeks)	18 (10 weeks)	377 (15 weeks)	1 (2 weeks)
Performance indicator for examination and publ.	Satisfactory	Partially satisfactory	Partially satisfactory	Satisfactory	Satisfactory

NOTE 1: The development of data capture module for LF/MF notices in TerRaSys format is not envisaged in a foreseeable future. TSD is continuing with the application of the provisional arrangements implemented by BCD (in early April 2001 for GE75, in early July 2002 for RJ81) and no backlog exists in these areas.

NOTE 2: There was a considerable increase in the number of submissions in the context of ST61 (some 20833 notices from one administration, some of which have been published while more than 10 000 were returned due to uncompleted coordination procedures).

In addition to these activities, the Ingres-based database, which represents a reference tool for the administrations as it is distributed through BRIFIC, was updated in the reporting period with the data concerning the application of the plan modification procedures, under the GE75 and RJ81 Agreements, outside TerRaSys, in the period between the phasing out of the FMS and 12 November 2002 (Special Sections GE75/107, GE75/108, GE75/109 and RJ81/71).

*Performance indicator:* The objectives set forth in the Operational Plan (timely processing within the statutory limits) have been achieved by using two different arrangements: under TerRaSys in the context of the VHF/UHF Plans (ST61, GE84 and GE89, and outside TerRaSys in the context of the LF/MF Plans (GE75 and RJ81). These submissions represent more than 99% of all of the submissions related to plan modification procedures for terrestrial services (in terms of volume of submissions). The resources used were proportional to the forecasts indicated in the Operational Plan.

**Table 13.2-2: Plan modification procedures (other than BC/BT)**

<b>Procedure</b>	<b>AP 25</b>	<b>AP 26</b>	<b>GE85-MM</b>
Expected input	20	10	40
Received notices	3	3	2
<b>Examination</b>			
Treated cases (including previous periods)	9	3	2
Performance indicator for examination	Partially satisfactory	Satisfactory	Partially satisfactory
Backlog (weeks)	0	0	0
Remaining active cases	14	0	5
Earliest date of receipt	14.05.2001	-	22.04.1998

In addition to the referred to in Table 13.2-2, the Ingres-based database, which represents a reference tool for the administrations as it is distributed through BRIFIC, was updated in the reporting period with the results of the plan modification procedures that were completed outside TerRaSys, in the period between the phasing out of the FMS and 29 October 2002 (5 allotments under AP25, 5 allotments under AP26, 19 assignments under GE85-MM).

*Performance indicator:* The objectives set forth in the Operational Plan (timely processing within the statutory limits) have been achieved in the context of the AP26 Plan. The objectives set forth in the Operational Plan could not be achieved in the context of the AP25 and GE85 Plans due to the delay in delivery of the required operational tools, although TSD/FMD is continuing with the application of some of the relevant steps of the procedures that do not require compatibility assessment. The resources used were proportional to the forecasts indicated in the Operational Plan.

### **13.3.3 Processing of submissions to HF broadcasting (Article 12 of the RR)**

The treatment of these submissions has followed the standard pattern (for details see Table 13.3.4-1): all valid notices received up to two weeks before each publication could be incorporated in the database and subjected to the appropriate technical examination. In the reporting period, **eleven** CD-ROMs have been published, which contain, *inter alia*, HFBC schedules, results of compatibility analysis and the latest version of the HFBC software. As the compatibility analysis is repeated with every new publication, the number of examinations is higher than the number of received notices. This activity also comprises exchange of correspondence with administrations and regional coordination groups concerning possible improvements to software, update of reference data, improvements in the presentation of calculation results, and maintenance of web pages with latest software updates and reference data.

Several versions of new software, ITU HFCCAL Beta version 0.1, 0.2, 0.3 and 0.4, were released in the reporting period. The software provides a clear graphical display of the interference situation between HF transmissions, by showing, among other things, antenna patterns of all requirements, calculated field strength values at test points for comparison purposes as well as interference analysis in each quadrants of the target areas using bar charts.

In the associated activities, staff of the Bureau participated in the Joint HFCC/ASBU coordination meeting for season A-2002 in Bonn (Germany, 4 – 8 February 2002) and in the Joint ABU/HFCC/ASBU coordination meeting for season B-02 in Bangkok (Thailand, 26 – 30 August 2002).



*Performance indicator:* Satisfactory. All activities completed in accordance with the schedule indicated in Article 12. The resources used were within the forecasts indicated in the Operational Plan.

### 13.3.4 Notification, examination, recording procedures pertaining to terrestrial services (Article 11 of the Radio Regulations)

Table 13.3.4-1 summarizes the activities related to notification and other regulatory procedures pertaining to terrestrial services:

**Table 13.3.4-1: Notification and other regulatory procedures**

Procedure	Art. 11	Art. 12	Rec. 402
Expected input	50 000	15 000	30
Received notices	38 107	36 552	5
<b>Capture and Validation</b>			
Captured notices	38 107	36 552	N/A
Performance indicator for data capture	Satisfactory	Satisfactory	N/A
Backlog (weeks)	0	0	0
<b>Examination</b>			
Examined notices (under TerRaSys)	2 820	N/A	-
Examined notices (outside TerRaSys)	13 226	58 515	5
Performance indicator for examination	Unsatisfactory	Satisfactory	Satisfactory
Backlog (weeks)	208 weeks (FXM, LFMF) 14 weeks (FMTV)	0	0
Backlog (number of notices waiting for standard examination)	104 785 (FXM) 606 (FMTV) (Note 1)	0	-

NOTE 1: From the overall number of FXM notices pending for standard examinations (104 785 notices), some 58 246 frequency assignments have already been examined under the provisional arrangement (complete examination excepting the check for a possibly recorded target assignment, which would determine whether the notice is a new assignment or a modification to a recorded assignment) and the relevant findings have been promulgated through the BRIFIC.

*Performance indicator:* The objectives set forth in the Operational Plan (timely processing within the statutory limits using standard tools) have been achieved in the context of the BC/BT notices in the VHF and UHF bands. Similarly, the interim objectives set forth in the Operational Plan (timely processing of some types of notices within the statutory limits using provisional tools until standard tools are delivered) have been achieved in the following areas: data capture of FXM notices and examination of some types of FXM notices in the bands that are not shared with space services. The objectives set forth in the Operational Plan could not be achieved in the following areas: data capture and examination of BC notices in the LF/MF bands, standard publication (formal acknowledgement of receipt) in the context of all FXM notices since 1 October 1999, examination of FXM notices in the bands shared with space services, examination of FXM notices in the bands governed by the GE85 and RJ88 Agreements. The resources used were generally within the forecasts indicated in the Operational Plan, with an emphasis on testing of the delivered components. The relevant statistics on processing of transactions is given in Table 13.3.4-2.

**Table 13.3.4-2: Notices processed in TerRaSys for Publication in Parts I, II and III of BRIFIC**

	Broadcasting			FXM (outside shared bands)			FXM (within shared band)			Totals			Gr. Total
	Pt I	Pt II	Pt III	Pt I	Pt II	Pt III	Pt I	Pt II	Pt III	Pt I	Pt II	Pt III	
1Q02	996	1137	15	0	0	0	0	0	0	996	1137	15	2148
2Q02	956	878	6	0	0	0	0	0	0	956	878	6	1840
3Q02	490	678	3	0	0	0	0	0	0	490	678	3	1171
4Q02	720	274	4	0	0	0	0	0	0	720	274	4	998
<b>Total</b>	<b>3162</b>	<b>2967</b>	<b>28</b>	-	-	-	-	-	-	<b>3162</b>	<b>2967</b>	<b>28</b>	<b>5159</b>

In addition to the above, the following number of notices pertaining to the fixed, mobile and other services except broadcasting services, were published in the provisional parts 1P, 2P and 3P of the BRIFIC (Terrestrial services): 33985 in Part 1P, 12387 in Part 2P and 426 in Part 3P.

### 13.3.5 Other regulatory procedures, including assistance in the application of the regulatory procedures

Details concerning the application of the regulatory procedures described in Section 13.3.5.1 of the Operational Plan are summarized in the following sections

#### 13.3.5.1.1 Procedures of Recommendation 402

The Bureau has initiated the relevant procedure for 5 cases of two administrations (BHR, IRL). The procedure is still underway for all of these cases.

#### 13.3.5.1.2 Special assistance in the application of coordination, plan modification and notification procedures

In the reporting period, TSD provided the following assistance to administrations related to the application of various regulatory procedures:

- Detailed frequency search and test calculations for GE75: to **four** administrations (CYP, G, J, OMA): **16** person-days.
- Detailed frequency search and test calculations for GE84: to **ten** administrations (ARM, BDI, BEN, BHR, BUL, ERI, OMA, SYR, UAE, YEM): **28** person-days.
- Detailed calculation results and test calculations for GE89: to **four** administrations (BEN, BHR, ERI, SEN): **18** person-days.
- Assistance on coordination for ST61: to **three** administrations (EGY, JOR, SYR): **5** person-days.
- Assistance in the frame of the Article 9 procedures (9.18, 9.46) to **two** administrations (F, E): **4** person-days.
- Assistance in the determination of suitable frequencies in the frame of the Article 12 procedure (12.12, 12.33): to **three** administrations (ERI, MTN, BFA), **3** person-days.
- Visits and recommendations regarding modifications to broadcasting Plans or notifications: **three** administrations (BLR, SUI, MLI), **3** person-days.

#### 13.3.5.1.3 Special monitoring and treatment of cases of harmful interference

In the reporting period, TSD continued with the treatment of the reports of harmful interference, as a special case of assistance defined in the RR. Furthermore, the TSD/TPR continued with the special monitoring program referred to in Resolution 205. The relevant statistics in this regard are summarized

in Table 13.3.5.1.3-1:

**Table 13.3.5.1.3-1: Statistics on special monitoring and harmful interference cases**

	1 Q 02	2 Q 02	3 Q 02	4 Q 02	Total year
<b><u>406-406.1 MHz</u></b>					
Reports received	11	11	12	5	39
No. of Administrations involved	16	14	14	3	
No. of unauthorized emissions	21	26	34	3	84
No. of unauthorized emissions ceased	5	11	9	13	38
<b><u>Harmful Interference</u></b>					
No. of new cases (total no. of active cases)	15 (46)	27 (61)	24 (66)	19 (76)	85
No. of Administrations involved	47	60	16	12	
No. of cases closed	13	4	7	2	26
Cases of assistance to Administrations	1	0	4	2	7

#### 13.3.5.1.4 Regular Monitoring Programme in the HF bands

In the reporting period (January –December 2002), reports containing a total of **35 863** observations were received: **3 047** observations on paper forms and **32 816** observations using electronic formats. The observations in paper format have been captured and subsequently merged with the observations received in electronic format. The information is available in zipped dBase format for internal and external download at <http://www.itu.int/ITU-R/terrestrial/monitoring/index.html>.

**Table 13.3.5.1.4-1 Monitoring observations received from administrations**

Quarter	Observations received on paper	Observations received in electronic format	Total
1Q02	284	5 792	6 076
2Q02	1 969	13 169	15 138
3Q02	794	5 713	6 507
4Q02	-	8 142	8 142
<b>Total</b>	<b>3 047</b>	<b>32 816</b>	<b>35 863</b>

#### 13.3.5.1.5 Special Monitoring Programmes (Circular Letter CR-147)

In response to Resolutions 207(Rev.WRC-2000), 350(WRC-2000) and 800(WRC-2000), a special monitoring programme was organized as detailed in CR-147. The third programme was organized during the period 7 – 27 January 2002. Statistics related to the number of observations from administrations, which were received in response to this programme during the reporting period, are indicated in Table 13.3.5.1.5-1. The following administrations submitted reports related to the 3<sup>rd</sup> programme:

- in the HF bands allocated to the Aeronautical Mobile (R) service : AUS, AUT, B, BEL, CZE, D, E, F, FIN, G, HNG, HOL, I, IRN, J, KOR, NOR, POR
- in the HF bands allocated to the Maritime Mobile service: AUT, B, BEL, CZE, D, E, F, FIN, G, HNG, HOL, I, IRN, J, KOR, NOR, POR

- in the HF bands allocated to the Broadcasting service: AUT, B, BEL, CZE, D, E, F, FIN, G, HNG, HOL, I, IRN, J, KOR, NOR, POR, RUS.

All information is available for internal and external download at <http://www.itu.int/ITU-R/terrestrial/monitoring/index.html>

**Table 13.3.5.1.5-1 Special Monitoring Programme**

Quarter	Aeronautical Mobile (R) service	Maritime Mobile service	HF Broadcasting service	Total
1Q02	3 144	6 116	7 843	17 103
2Q02	79	91	208	378
3Q02	-	-	-	-
4Q02	-	-	-	-
<b>Total</b>	<b>3 223</b>	<b>6 207</b>	<b>8 051</b>	<b>17 481</b>

*Performance indicator (for the whole of the section 13.3.5):* satisfactory. All of the relevant requests for assistance were addressed in a timely manner. Each of reported cases of harmful interference was processed within 48 hours. The observation reports were processed and posted on the Web without delay. The resources used were within the limits indicated in the Operational plan.

### 13.3.6 Application of administrative and operational procedures

13.3.6.1 In the reporting period, TSD/FMD handled **28** requests dealing with allocation of series of call signs, blocks of selective call numbers and Maritime Identification Digits, in accordance with Article 19, Resolution 13(Rev.WRC-97), as well as ITU-R and ITU Recommendations.

13.3.6.2 In the reporting period, the following means of identification were allocated/modified to administrations/international organizations:

- MID: **2**, for LBR and S;
- Group selective call number : **1**, for URG.

13.3.6.3 Assistance and clarifications concerning administrative provisions of the RR were given to several administrations, as well as to a number of entities outside the administrations (operating agencies, private companies and general public). Necessary liaison with IMO, Inmarsat / IMSO, ICAO and the UN was provided with regard to the application of the ITU treaty texts within these organizations. A total of **360** communications was exchanged.

13.3.6.4 The electronic version of the ITU Master List for means of identification has been maintained and updated using the new Global Administration Database (GLAD).

*Performance indicator:* satisfactory. All requests were treated in time and administrations in almost all cases follow the course of actions and other guidance suggested by BR. The staff resources used were within the forecasts indicated in the Operational Plan.

## 14 Other activities (assistance, cooperation, etc)

### 14.2 Assistance to Members

In the reporting period, TSD continued to provide various kinds of assistance to administrations, as listed in paragraphs 13.3.5.1.2, 13.3.5.1.3 and 13.3.6.3.

*Performance indicator:* satisfactory (all requests treated in time, satisfaction has been expressed by Member States). The staff resources used were within the forecasts indicated in the Operational Plan.

### **14.3 Cooperation with ITU-D**

Staff of the Bureau participated in several activities organized by the BDT (e.g., expert panel for selection of the provider of monitoring equipment to one Member State, selection panels for the evaluation of reports concerning several BDT projects.), as well as in specific BDT missions (see also paragraph 10.2 above).

### **14.5 Cooperation with international and regional organizations**

The Bureau maintained liaison and cooperation with many international and regional organizations, particularly with a view to ensuring effective preparation for WRC-2003 and for RRC-04/05 (IMO, CEPT, ASBU, EBU, etc). Staff of the Department participated in meeting of CEPT WG/FM (Lisbon, 28 January – 1 February 2002), in the EBU/CEPT TDAB Planning meeting for 1.5 GHz (Geneva, 24 – 25 April 2002), in the EBU/CEPT ad-hoc group on RRC-04/05 (Geneva, 9 – 10 September 2002), in the EBU Project Group B/TDP meeting (Geneva, 15 – 16 October 2002), in the EBU Project Group B/MDT Migration to Digital Television (Geneva, 13 – 15 November 2002), in the CEPT/PT24 meeting on the preparation of RRC (Brussels, 22 – 24 October 2002), in the 6<sup>th</sup> meeting of the IMO/COMSAR (London, 18 – 22 February 2002), in the 75<sup>th</sup> meeting of the IMO/MSC (London, 16 – 21 May 2002), in the 16<sup>th</sup> Cospas-Sarsat Joint committee (London, 12 – 14 June 2002).

Staff of Bureau participated in several meetings concerning the coordination of the HFBC schedules organized by the regional coordination groups (HFCC, ASBU, ABU) and presented the relevant software, as well as the associated procedures for broadcasting services.

## **15 TSD activities in software development for processing of terrestrial notifications**

In the reporting period, staff of the Department continued with the testing of various components of the new TerRaSys. The major activities in this regard are listed below:

- Beta tests of the software related to the processing of T11-T14 notices (up to their publication in Part 1 of the BRIFIC).
- Review of Validation Rules with a view to their clarifying.
- Maintenance of the submission guidelines for non-broadcasting notices made available to administrations on the ITU Web site.
- On-going testing of all components made available (TerRaQ, TerRaNV, TerRaTron, TerRaRevQ, TerRaPub), identification of possible improvements and enhancements, submittal of related change proposals and subsequent testing of the modified software, as delivered.
- Ongoing support in fixing bugs and in system development.
- Participation in the interviews organized by SOPRA, in the context of the external audit of TerRaSys (February – March 2002), as well as in the meetings of the Steering Committee established in June 2002.

*Performance indicator (for TSD):* partially satisfactory (several activities delayed due to the delay of the delivery of the relevant components of TerRaSys). The staff resources used were within the forecasts indicated in the Operational Plan.