



Radiocommunication Bureau

(Direct Fax N°. +41 22 730 57 85)

Circular Letter
CR/291

9 October 2008

To Administrations of Member States of ITU

Subject: Implementation of Resolution **647 (WRC-07)**: Formats for the submission of data for inclusion in the database of available frequencies/frequency bands for use in emergency situations – space services

References: Resolution **647 (WRC-07)**: Spectrum management guidelines for emergency and disaster relief radiocommunication
BR Circular Letter CR/281 (13 March 2008)
BR Circular Letter CR/283 (6 May 2008) and its Corrigendum 1 (13 May 2008)
BR Circular Letter CR/288 (17 July 2008)

To the Director-General

Dear Sir/Madam,

1 Through Resolution **647 (WRC-07)**, the World Radiocommunication Conference (Geneva, 2007) (WRC-07) resolved “to encourage administrations to consider global and/or regional frequency bands/ranges for emergency and disaster relief when undertaking their national planning and to communicate this information to the Bureau”. WRC-07 also resolved “to encourage administrations to maintain available frequencies for use in the very early stages of humanitarian assistance intervention for disaster relief”. In addition, WRC-07 instructed the Director of the Radiocommunication Bureau “to assist Member States with their emergency communication preparedness activities by establishing a database of currently available frequencies for use in emergency situations, which are not limited to those listed in Resolution **646 (WRC-03)**, and by issuing an appropriate listing, taking into account Resolution ITU-R 53 of the Radiocommunication Assembly (Geneva, 2007)”.

2 Once the relevant issues had been considered within several ITU-R forums, the Bureau addressed the issue of the establishment of the database of available frequencies/frequency bands for use in emergency situations within the context of space services in Circular Letter CR/283 of 6 May 2008 and its Corrigendum 1 of 13 May 2008, which also contained the Bureau’s initial proposal regarding the concept and contents of the database in this respect. The Bureau thus invited comments and suggestions on the concept and contents of the database for use within the context of space services. Aspects relating to the implementation of Resolution **647 (WRC-07)** within the context of terrestrial services were addressed in Circular Letter CR/281 of 13 March 2008 and subsequently in Circular Letter CR/288 of 17 July 2008.

3 The comments submitted by administrations of Member States generally supported the Bureau's proposal regarding the concept and the contents of the database for use within the context of space services. Therefore, and taking into consideration the comments received, the Bureau finalized the notification formats for submitting data for their inclusion in the database of available frequencies/frequency bands for use in emergency situations, within the context of space services. The relevant submission form and guidance required, for the electronic submission of data may be found in Annex 1 to this Circular Letter and will be made available on the dedicated webpage indicated in paragraph 7 below. Examples of an electronic submission of data for inclusion in the space services emergency database are presented in Annex 2.

4 With this background, the Bureau considers that, for that part of the database dealing with the available frequencies/frequency bands for use by *space services* in emergency situations, two categories of information may be required, one regarding the satellite service operator/space segment provider (O or P) and the other regarding the satellite service users (U).

5 For assistance regarding submission of the relevant emergency data (see Annex 1), administrations are hereby invited to visit the Space Network List (SNL) online at the following address: <http://www.itu.int/ITU-R/space/snl/>; and the complete information on all satellite networks recorded in the Master International Frequency Register, including frequency assignments/bands, antenna diagrams and service areas, is available for download from the Space Network Systems (SNS) online at the following address: <http://www.itu.int/sns/database.html> by registered TIES users only.

6 Administrations are hereby invited to submit the relevant data to the Bureau as soon as possible and to take appropriate measures to keep the information up to date. Administrations are strongly encouraged to submit information concerning all data items for each record regardless of whether they are indicated as mandatory or optional, in order to facilitate the use of these data in emergency situations. All submissions are to be provided in electronic format, either MS Excel or ASCII CSV (*this information is to be provided only in ISO-8859-1 (Latin-1) character set only, in order to be compatible with the ITU data processing systems*), and addressed to:

Director of the Radiocommunication Bureau, ITU
Place des Nations
CH-1211 Geneva 20, Switzerland
Direct Telefax. No.: +41 22 730 5785
Email: brmail@itu.int
Subject: RES-647 – space services

7 For retrieval of the *emergency space services data* thus submitted, the Bureau has created a dedicated webpage at the following address: <http://www.itu.int/ITU-R/go/res647/> where a function for online querying of the database of the available frequencies/frequency bands for use in emergency situations will be available without restrictions.

8 The Bureau remains at the disposal of your Administration for any clarification you may require regarding the subjects covered in this Circular Letter.

Yours faithfully,

Valery Timofeev
Director, Radiocommunication Bureau

Annexes: 2

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Annex 1

Data items for the electronic submission of information related to space services within the context of Resolution 647 (WRC-07)

(This information is to be provided only in ISO-8859-1 (Latin-1) character set only, in order to be compatible with the ITU data processing systems.)

Field number	Data item	Data format (Note 3)	Sat operator or provider (Note 1)	User (Note 1)	Description	Remarks
01	<i>act_code</i>	X	X	X	code indicating the action to be taken on the notice - “A” – <u>A</u> dd or “S” - <u>S</u> uppress (delete)	
02	<i>cat</i>	X	X	X	code indicating the category of information - “O” – Satellite service <u>O</u> perator / “P” Space segment <u>P</u> rovider or “U” - <u>U</u> ser.	
03	<i>adm</i>	XXX	X	X	country symbol of the notifying administration that submitted the information (see Table 1A of the Preface to the International Frequency List)	
04	<i>ntwk_org</i>	XXX	X	X	symbol of the organization operating regional or international satellite networks (see Table 2 of the Preface to the International Frequency List)	
05	<i>adm_adr</i>	X(255)	X	X	contact address (telephone number, fax number, e-mail address, etc.) of notifying administration	NOTE 2
06	<i>emerg_adr</i>	X(255)	X	X	contact address for emergency situations (if different) (telephone number, fax number, e-mail address, etc.) of notifying administration	NOTE 2
07	<i>ntc_id</i>	9(9)	X		unique BR identifier (notice ID) of the satellite network (see SNL online at: http://www.itu.int/ITU-R/space/snl/bsearchhb/spublication.asp)	
08	<i>sat_name</i>	X(20)	X		name of the space station (see SNL online at: http://www.itu.int/ITU-R/space/snl/bsearchhb/spublication.asp)	
09	<i>ntwk_name</i>	X(20)	X		commercial name of the space station	
10	<i>long_nom</i>	S999.99	X		nominal longitude of the space station, give “-” for West “+” for East or “NGSO” (see SNL online at: http://www.itu.int/ITU-R/space/snl/bsearchhb/spublication.asp)	

Field number	Data item	Data format (Note 3)	Sat operator or provider (Note 1)	User (Note 1)	Description	Remarks
11	<i>op_agcy</i>	999	X		satellite operating agency number (see Table 12A/B of the Preface to the International Frequency List at: http://www.itu.int/ITU-R/space/preface/)	
12	<i>op_agcy_nm</i>	X(200)	X		name of the satellite operating administration or agency and contact address (telephone number, fax number, e-mail address, etc.) (24 hours a day, 7 days a week)	NOTE 2
13	<i>freq_assgn</i>	9(5).9(5)	X	X	assigned frequency	For each assigned frequency, provide a new data record
14	<i>freq_min</i>	9(6).9(5)	*	*	lower limit of the frequency range for the group of operational frequencies	* Mandatory if item 13 is not provided
15	<i>freq_max</i>	9(6).9(5)	*	*	upper limit of the frequency range for the group of operational frequencies	* Mandatory if item 13 is not provided
16	<i>freq_sym</i>	X	X	X	symbol indicating megahertz [M] up to and including 10 500 MHz or gigahertz [G] above 10.5 GHz	
17	<i>emi_rcp</i>	X	X	X	code identifying a satellite operation mode as either space-to-Earth/downlink [D] or Earth-to-space/uplink [U]	
18	<i>srv_area</i>	XXX	X		service area(s) of the frequency assignment - symbol of the country or geographical area (see Table 1B of the Preface to the International Frequency List)	NOTE 2
19	<i>adm_remark</i>	X(255)			observations regarding the use of the indicated frequency or frequency band	

NOTE 1 – Data items indicated with the symbol X are mandatory. Other data elements are optional, but administrations are strongly encouraged to submit these data as well.

NOTE 2 – Multiple values for one data item should be separated by a comma (,)

NOTE 3 – Column “**Data format**” the data values are described in the table below.

Value	Description
X	used to describe alphanumeric data. e.g. X(9) specifies a 9 character field containing alphanumeric data XXX is equivalent to X(3).
9	used to describe digits
“ . ”	shows the position of a decimal point
S	implies a sign (sign leading separate) e.g. S999.99 implies a numeric field with a range of values from -999.99 to +999.99 99 implies a numeric field with a range of values from 0 to 99

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Annex 2

Examples of an electronic submission of data for inclusion in the space services emergency database

1. Excel format

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
a c t - c o d e	cat	adm	nt w k_ or g	adm_adr	emerg_adr	ntc_id	sat_name	ntwk_name	long _no _m	op_ agc _y	op_agcy _nm	freq _ass _gn	freq _mi _n	freq _ma _x	fre q_ sy _m	e mi _r _cp	srv_are _a	adm_remark
A	U	CZE		CZECH TELECOMMUNICATIONS OFFICE, INTERNATIONAL RELATIONS DEPARTMENT, P.O. BOX 02, 225 02 PRAHA 025, CZECH REPUBLIC, TELEFAX: +420 22400 4830, PHONE: +420 22400 4111, E-MAIL: INFO@CTU.CZ	CZECH TELECOMMUNICA TIONS OFFICE, FREQUENCY SPECTRUM MANAGEMENT DEPARTMENT, P.O. BOX 02, 225 02 PRAHA 025, CZECH REPUBLIC, TELEFAX: +420 22400 4823, PHONE: +420 22400 4673, E-MAIL: INFO@CTU.CZ							10.7	12.75	G	D	CZE	DOWNLINK IN 10.7- 12.5 GHZ: RECEPTION ON SECONDARY BASIS (SHARING WITH FS), GENERAL LICENCE APPLIES	
A	U	CZE		CZECH TELECOMMUNICATIONS OFFICE, INTERNATIONAL RELATIONS DEPARTMENT, P.O. BOX 02, 225 02 PRAHA 025, CZECH REPUBLIC, TELEFAX: +420 22400 4830, PHONE: +420 22400 4111,	CZECH TELECOMMUNICA TIONS OFFICE, FREQUENCY SPECTRUM MANAGEMENT DEPARTMENT, P.O. BOX 02, 225 02 PRAHA 025, CZECH REPUBLIC, TELEFAX: +420 22400 4823,							14.0	14.5	G	U	CZE	UPLINK RESTRICTIONS: E.I.R.P. LESS OR EQUAL 50 DBW, P ANT LESS OR EQUAL 2W EARTH STATION OUTSIDE OF 500 M FROM THE AIRPORT FENCE, GENERAL LICENCE	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
a c t - c o d e	cat	adm	nt w k_ or g	adm_adr	emerg_adr	ntc_id	sat_name	ntwk_name	long _no m	op_ agc y	op_agcy _nm	freq _ass gn	freq _mi n	freq _ma x	fre q_ sy m	e mi _r cp	srv_are a	adm_remark
				E-MAIL: INFO@CTU.CZ	PHONE: +420 22400 4673, E-MAIL: INFO@CTU.CZ													APPLIES
A	O	MLA		MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION, 63000 CYBERJAYA, SELANGOR DARUL EHSAN, MALAYSIA, PHONE: +603 8688 8000, FAX:+603 8688 1001, E-MAIL: MARISB@CMC.GOV.MY		95500480	MEASAT-1	MEASAT-3	91.5	15	NETWO RK MANAG EMENT CENTRE, MEASAT SATELLI TE SYSTEM S SDN. BHD, BROADC AST CENTRE, 63000 CYBERJ AYA, MALAY SIA, PHONE :+603 8213 2288, FAX:+60 3 8213 2299, EMAIL: TECHNI CAL.SUP PORT@ MEASAT .COM		4102	4111	M	D	MLA, INS, PHL, SNG, THA, BRU, VTN, LAO, BRM, CBG	THIS BAND IS CURRENTLY ALLOCATED FOR OCCASIONAL USAGE SERVICE ON FIRST COME FIRST SERVED BASIS, ISSUE ON FUNDING FOR THE USE FOR PPDR OPERATIONS ARE ONGOING

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
act - c o d e	cat	adm	nt w k_ or g	adm_adr	emerg_adr	ntc_id	sat_name	ntwk_name	long _no m	op_ agc y	op_agcy _nm	freq _ass gn	freq _mi n	freq _ma x	fre q_ sy m	e mi _r cp	srv_are a	adm_remark
A	O	MLA		MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION, 63000 CYBERJAYA, SELANGOR DARUL EHSAN, MALAYSIA, PHONE: +603 8688 8000, FAX:+603 8688 1001, E-MAIL: MARISB@CMC.GOV.MY		95500480	MEASAT-1	MEASAT-3	91.5	15	NETWO RK MANAG EMENT CENTRE, MEASAT SATELLI TE SYSTEM S SDN. BHD, BROADC AST CENTRE, 63000 CYBERJ AYA, MALAY SIA, PHONE :+603 8213 2288, FAX:+60 3 8213 2299, EMAIL: TECHNI CAL.SUP PORT@ MEASAT .COM		6327	6336	M	U	MLA, INS, PHL, SNG, THA, BRU, VTN, LAO, BRM, CBG	THIS BAND IS CURRENTLY ALLOCATED FOR OCCASIONAL USAGE SERVICE ON FIRST COME FIRST SERVED BASIS, ISSUE ON FUNDING FOR THE USE FOR PPDR OPERATIONS ARE ONGOING

2. ASCII format

Field delimiter: Semicolon (;)

act_code; cat; adm; ntwk_org; adm_adr; emerg_adr; ntc_id; sat_name; ntwk_name; long_nom; op_agcy; op_agcy_nm; freq_assgn; freq_min; freq_max; freq_sym; emi_rcp; srv_area; adm_remark;

A; U; CZE; ;CZECH TELECOMMUNICATIONS OFFICE, INTERNATIONAL RELATIONS DEPARTMENT,P.O. BOX 02,225 02 PRAHA 025,CZECH REPUBLIC,TELEFAX: +420 22400 4830,PHONE: +420 22400 4111,E-MAIL: INFO@CTU.CZ; CZECH TELECOMMUNICATIONS OFFICE, FREQUENCY SPECTRUM MANAGEMENT DEPARTMENT, P.O. BOX 02, 225 02 PRAHA 025, CZECH REPUBLIC, TELEFAX: +420 22400 4823, PHONE: +420 22400 4673, E-MAIL: INFO@CTU.CZ ; ; ; ; ; ;10.7;12.75; G; D; CZE; DOWNLINK IN 10.7-12.5 GHZ: RECEPTION ON SECONDARY BASIS (SHARING WITH FS), GENERAL LICENCE APPLIES

A; U; CZE; ; CZECH TELECOMMUNICATIONS OFFICE, INTERNATIONAL RELATIONS DEPARTMENT,P.O. BOX 02,225 02 PRAHA 025,CZECH REPUBLIC,TELEFAX: +420 22400 4830,PHONE: +420 22400 4111,E-MAIL: INFO@CTU.CZ; CZECH TELECOMMUNICATIONS OFFICE, FREQUENCY SPECTRUM MANAGEMENT DEPARTMENT, P.O. BOX 02, 225 02 PRAHA 025, CZECH REPUBLIC, TELEFAX: +420 22400 4823, PHONE: +420 22400 4673, E-MAIL: INFO@CTU.CZ ; ; ; ; ; ;14.0;14.5; G; U; CZE ; UPLINK RESTRICTIONS:E.I.R.P. LESS OR EQUAL 50 DBW, P ANT LESS OR EQUAL 2W, EARTH STATION OUTSIDE OF 500 M FROM THE AIRPORT FENCE, GENERAL LICENCE APPLIES

A; O; MLA; ; MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION, 63000 CYBERJAYA, SELANGOR DARUL EHSAN, MALAYSIA, PHONE: +603 8688 8000,FAX:+603 8688 1001,E-MAIL: MARISB@CMC.GOV.MY; ; 95500480; MEASAT-1; MEASAT-3; 91.5; 15; NETWORK MANAGEMENT CENTRE, MEASAT SATELLITE SYSTEMS SDN. BHD, BROADCAST CENTRE, 63000 CYBERJAYA, MALAYSIA,PHONE :+603 8213 2288,FAX:+603 8213 2299, EMAIL: TECHNICAL.SUPPORT@MEASAT.COM; ; 4102; 4111; M; D; MLA, INS, PHL, SNG, THA, BRU, VTN, LAO, BRM, CBG; THIS BAND IS CURRENTLY ALLOCATED FOR OCCASIONAL USAGE SERVICE ON FIRST COME FIRST SERVED BASIS, ISSUE ON FUNDING FOR THE USE FOR PPDR OPERATIONS ARE ONGOING

A; O; MLA; ; MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION, 63000 CYBERJAYA, SELANGOR DARUL EHSAN, MALAYSIA, PHONE: +603 8688 8000, FAX:+603 8688 1001, E-MAIL: MARISB@CMC.GOV.MY; ; 95500480; MEASAT-1; MEASAT-3; 91.5; 15; NETWORK MANAGEMENT CENTRE, MEASAT SATELLITE SYSTEMS SDN. BHD, BROADCAST CENTRE, 63000 CYBERJAYA, MALAYSIA, PHONE :+603 8213 2288, FAX:+603 8213 2299, EMAIL: TECHNICAL.SUPPORT@MEASAT.COM; ; 6327; 6336; M; U; MLA, INS, PHL, SNG, THA, BRU, VTN, LAO, BRM, CBG; THIS BAND IS CURRENTLY ALLOCATED FOR OCCASIONAL USAGE SERVICE ON FIRST COME FIRST SERVED BASIS, ISSUE ON FUNDING FOR THE USE FOR PPDR OPERATIONS ARE ONGOING
