

# RECEIVABILITY OF THE SPACE NOTICES

Attila MATAS Head, SPR - BR/SSD





- Entry examination of the notice received by the Bureau
  - Submission of information in electronic format (RES 55)
  - application of the Radio Regulations
  - application of the Rules of Procedures (ROP) approved by the RRB concerning the *Receivability* of forms of notice – see paragraphs 3.2 - 3.4 of the **ROP** vis à vis mandatory information
    - its completeness (Annex 2 of AP 4) and
    - its correctness use of the BR validation software by the ADM
- Result of the entry examination
  - > **Acknowledgment** by the Bureau
  - Confirmation of the Bureau registry date establishment of the formal regulatory date of receipt



### Basic ROP related to the Receipt of notices - BR registry date

- ROP 2 It is incumbent on all ADM to meet deadlines established in the RR and, accordingly, to take account of possible mail delays, holidays or periods during which ITU may be closed.
- Having regard to the various means available for transmission and delivery of notices and other related correspondence:
  - Mail received through the postal service shall be recorded as received on the first working day (following the period of closure) on which it is delivered to the BR's office registry
  - E-mail or telefax documents shall be recorded as received on the actual date of receipt, irrespective of whether or not that is a working day at the BR's offices in Geneva
  - ➤ In the case of E-mails, an administration is required to send, within 7 days of the date of the E-mail, a confirmation by either telefax or mail which shall be regarded as being received on the same date as the original E-mail.



### Basic ROP related to submission of the notices

All mail must be sent to the following address:

Radiocommunication Bureau

ITU

Place des Nations CH-1211 Geneva 20 Switzerland

- All telefaxes must be sent to: +41 22 730 5785 (several lines)
- All E-mail must be sent to: <u>brmail@itu.int</u>
  - Information received in the BR Registry by E-mail shall be acknowledged immediately by E-mail from the BR mail server (<u>If such acknowledgment message is not received</u>, administration should contact the BR by FAX)
  - ➤ In case of E-mail submission a confirmation by telefax or letter is required from the Administration within 7 days of the date of the E-mail
  - Administration shall not use the BR staff E-mail address for submission of their notices to the BR Registry.



### Establishment of Date of Receipt (1)

- If a notice <u>does not contain all of the mandatory</u> <u>information</u> as defined in the AP 4 of the RR, or for example <u>the email from ADM is without attached data or a letter with an empty CD-ROM etc...</u>, further processing of the notice will remain in abeyance and <u>a date of receipt will not be established until the missing information is received</u>
- If all mandatory data have been submitted and further clarification is required concerning the correctness of the mandatory data, the Bureau shall request the ADM to provide the clarification within 30 days
- If the information is received within the 30 days period, the original date of receipt is retained, otherwise, a new date of receipt will be established



### Establishment of Date of Receipt (2)

- Nevertheless, for replies received within the above period of 30 days, <u>a new</u> formal date of receipt is established in those cases (or for the concerned part of the network) where the information submitted subsequently is outside the scope and beyond the objective of the Bureau's enquiry, if the new or modified data has impact on the regulatory and technical examination, irrespective of whether the newly provided information adds new affected administrations or not
- The Bureau is keeping any pending submission containing incomplete information for one year.



### Establishment of Date of Receipt (3)

- When a Coordination request or Notification is communicated to the BR at the same time as the API, the formal date of receipt of this information (No. 9.1) is established as follows:
  - For the Assignments that require coordination under Sect II of Article 9
    - 6 months after the date of receipt of API
  - For the Assignments that do not require coordination under Sect II of Article 9
    - 6 months after the <u>date of publication</u> of **API**

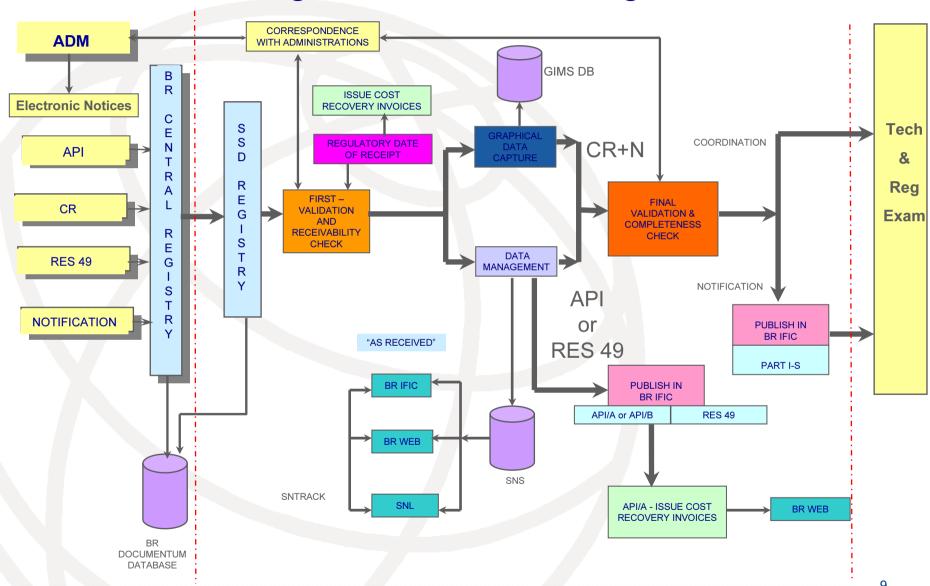


### List of "as received"

- Coordination Requests or Notifications "as received" are made available by the BR within 30 days (RES 55)
  - > BR IFIC (Space services) CD-ROM
  - This information can also be monitored through the ITU website ITU → Radiocommunication → Space Services → BR IFIC → List of information "as received" → SNL PART-C at:
    - http://www.itu.int/ITU-R/space/snl/
  - This advance version of the information received from the ADM with a date of receipt in the registry of the Bureau is not to be confused with the official publication of the relevant PART or Special section with a formal date of receipt which is yet to occur

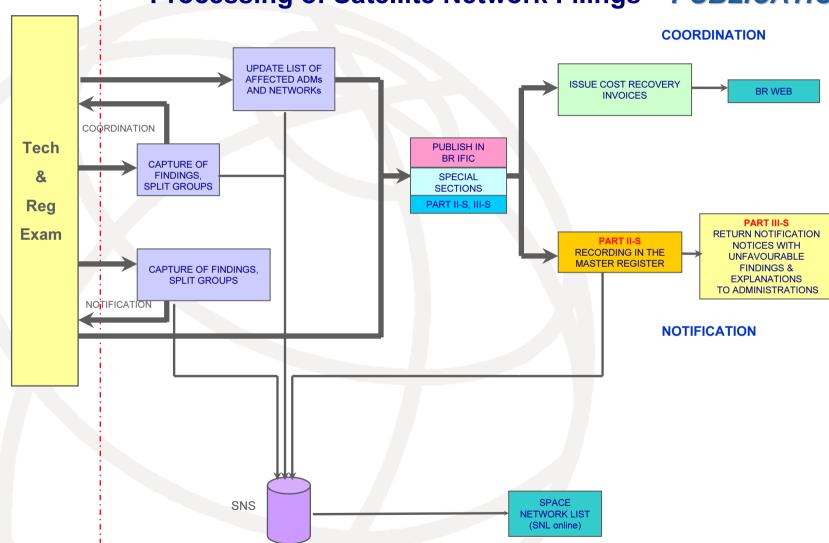
### International Telecommunication Union

### **Processing of Satellite Network Filings - RECEIVABILITY**





#### **Processing of Satellite Network Filings – PUBLICATION**





### **API** (1)

- API phase is obligatory, before coordination phase or notification
- No priority in being first to start advance publication
- Formal date of receipt of the API (No.9.1) starts the "regulatory clock" Ds
- Where to find the Formal Date of Receipt?



### **API** publication





INTERNACIONAL DE TELECOMUNICACIONES OFICINA DE RADIOCOMUNICACIONES

IFIC / DATE SECTION SPECIALE NO IFIC / DATE 2460 / 08.01.2002 SPECIAL SECTION No. API/A/832 MOD-1 IFIC / FECHA SECCIÓN ESPECIAL N.º ADMINISTRATION RESP (SABLE RESEAU(X) A SATELLITE ROSCOM-2 RUS SATELLITE NETWORK(S) RESPONSIBLE ADMINIS RATION RED(ES) DE SATÉLITE ADMINISTRACIÓN RESPONSABLE RENSEIGNEMENTS REÇUS PAR LE BUREAU LE 21.11.2001 INFORMATION RECEIVED BY THE BUREAU ON

INFORMACIÓN RECIBIDA POR LA OFICINA EL

Ces renseignements concernant les réseaux à satellite régis par l'article S9, sous-section 1B, sont publiés par le Bureau des radiocommunications en application du No. S9.2B. lis font l'objet de la(les) procédure(s) sulvante(s), indiquée(s) ci-dessous par un X dans la case pertinente.

UNION INTERNATIONALE DES TELECOMMUNICATIONS

BUREAU DES RADIOCOMMUNICATIONS

(voir les commentaires du Bureau des radiocommunications)

This information on satellite networks covered under Article S9, Sub-Section 1B, is published by the Radiocommunication Bureau in accordance with No. \$9.2B. It is subject to the procedure(s) indicated below by an X in the relevant box.

(see comments of the Radiocommunication Bureau)

Esta información relativa a las redes de satélite regidas por el Artículo S3, sub-sección 1B, se publica por la Oficina de Radiocomunicaciones en virtud del No. S9.2B. Está sujeta al (los) procedimiento(s) siguiente(s), señalado(s) con una X en la casilla

(véanse las observaciones de la Oficina de Radiocomunicaciones)

Į		Les renseignements ont été reçus conformément au No. S9.1	The information has been received pursuant to No. S9.1	La información ha sido recibida de conformidad con No. S9.1  La información ha sido recibida de conformidad con No. S9.2		
ŀ	Х	Les renseignements ont été reçus conformément au No. S9.2	The information has been received pursuant to No. S9.2			
		Toute administration estimant que ses réseaux à satellite, ses systèmes à satellites ou ses stations de terre, selon le cas, existants ou en projet, sont affectés, peut envoyer ses observations à l'administration qui a demandé la publication des renseignements, avec copie au Bureau des radiocommunications.	Any administration which considers that its existing or planned satellite systems or networks or terrestrial stations, as appropriate, are affected, may send its comments to the administration which has requested publication of the information, with a copy of such comments to the Radiocommunication Bureau.	Cualquier administración que considere que sus sistemas o redes des satélites o estaciones terrenales, según el caso, existentes o planificados se verán afectados, podrá comunicar sus comentarios a la administración que haya solicitado la publicación de la información, enviando una copia de dichos comentarios a la Oficina de Radiocommunicaciones.		

Information aussi disponible sur le / Information also available on the / Información también disponible en:

Space Network Systems Online Service : http://www-br/sns/advpub.html

I.T.U.



### **API (2)**

- Relevant Rules of Procedure (ROP) on Receivability
  - > 1: electronic filing (resolves 5 of RES55)
  - > 3.2: completeness (Annex 2 of AP 4) and correctness of the information
  - > **3.4:** Administrations are encouraged to run the validation software themselves in order to overcome any difficulties in the notices before they are submitted to the Bureau.
  - >4.1: API not earlier then 7 years before dBiU
- Select the proper notice form
  - > AP4/V: coordination not required (non-GEO)
  - > AP4/VI: coordination required (GEO, non-GEO)
  - mixed



### **API (3)**

 Submission of MOD is required and the API have to be recorded with a

new date of receipt (No. 9.2):

- > for new frequency band(s)
- for a change of GSO orbital location by more than +/- 6 degrees
- if no CR within 24 months from API receipt (No. 9.5D apply)



### Coordination Request - CR (1)

- No. 9.1 CR shall be considered as having been received not earlier than 6 months after date of reception of the API
- No. 9.2 Check modification of the orbital position whether <u>not more than</u> +/-6 degrees vis-à-vis the API
- Check date of bringing into use (dBiU) with respect to No. 11.44
  - max 7 years after date of receipt of the API
  - special case max. 9 years after the date of publication of the API if it was received prior to 22.11.1997



### Coordination Request - CR (2)

### **Time Limit of No.9.5D**

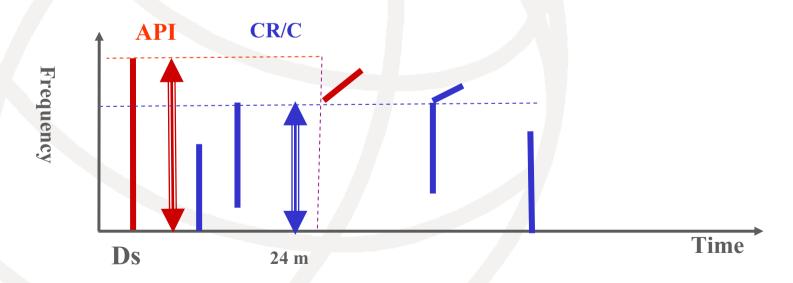
- Coordination information (No. 9.30) must be sent within 24 Months from the formal date of Receipt of API in BR (Ds)
- BR sends a reminder (CT ITU), 3 months before the end of the regulatory date
- If received beyond the Time Limit, BR will cancel the API. If the administration wishes the Coordination information will be considered as a new API and Coordination data sent at the same time (RoP under No.9.5D)

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### Frequency Vs Time (Limit) - No.9.5D

For **part of the band** not covered by the CR/C within 24 months - Start API fresh before submitting Coordination information.





### Coordination Request - CR (3)

### Validation of graphical data

- > ART **5** (Regional service area restrictions)
- > AP4 and CR 58 and IFRB Circular Letter 769
  - Steerable beams (No. 1.191, AP4 B.3.b)
  - The maximum co-polar isotropic gain, in dBi is required where a steerable beam (see No. 1.191) is used
- GSO diagrams (AP4 B.3.e)
  - if the space station is operating in a band allocated in the Earth-to-space direction and in the space-to-Earth direction
- Check with respect to ROP
  - No. 21.16 PFD limits for steerable beams
  - No. 23.13 Disagreement by and ADM on the inclusion of its territory in the service area of a BSS (except sound broadcasting) network



### Notification (1)

- Notification <u>not</u> earlier than 3 years before dBiU (No. 11.25)
- Relevant AP4 data have to be provided see No. 11.15 (WRC-07) – RES55 apply. No more "only changes" to No. 9.29 (CR)
- ROP 4.3 multiple procedures (API (C) N)
  - previously applicable procedures have to be effected
  - for earth station: associated space station supported by an API
  - assignments that require coordination under Sect II of Article 9 is not supported by a publication of coordination request (CR/C)
  - assignments that do not require coordination under Sect II of Article 9 is not supported by an API



### Notification (2) - Publication of Complete Notification

- Complete notices are published in PART I-S of the BR IFIC (Space services) with the date of receipt. This publication shall constitute the acknowledgement to the notifying ADM of receipt of its notice.
- PART I-S notices will be used for further technical and regulatory examination by the Bureau



### Time Limits under Nos. 11.44/11.44.1

- To Bring the Assignments into Use(No. 11.44)
- To submit notices for recording in the MIFR (No. 11.44.1) and = Ds + 7 years
- Beyond this date the notice will become unreceivable and assignments will not be taken into account by BR and ADM (No. 11.44.1)
- BR Sends reminders (Circular Telegram) 6 month before the expiry of time limit

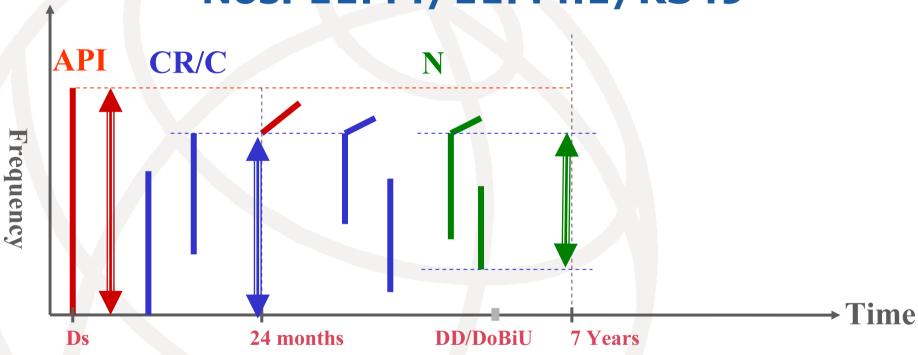


## RECEIVABILITY OF THE NOTICES Time Limit under RES49

- ADM shall submit Space Craft Manufacturer and Launch Service provider details with frequency bands...Before = Ds + 7 years; or
- Before the date of brining into use if notified earlier (para 12 of Annex 1 of RES49)
- In the absence of RES49 information beyond 7 years notice will become unreceivable; or provisional recording will be deleted and assignments will not be taken into account by BR and Administrations (para 11 of Annex 1 of RES49)
- BR Sends Reminders 6 month before this date



## Frequency vs Time (Limits) Nos. 11.44/11.44.1/RS49



### **Time Limit for Resubmission No. 11.46**

- Date before which Notice has to be Resubmitted after return by the BR in the PART III-S under Nos.11.37/11.38
  - = Dr (Date stamped on the Return letter by BR) + 6 months
- If resubmitted after 6 months BR advises to restart API procedure when period for submission under No. 11.44.1 of <u>first notice</u> has expired

API (Ds) CR/C DBiU Notice Ds+7 Dr Dr+6 months



#### **Time Limit for Resubmission Under No. 11.46**

- If resubmitted after 6 months it will be treated as first submission (cost recovery fee) and shall comply with provisions of No. 11.44.1
- > The submission is accepted as valid first Notice **ONLY** within 7 year period





# Resubmission of unfavourable findings Unfavourable findings under

- No.11.31 (filing returned under No.11.36)
  - Non-compliance with table of frequency allocations, pfd exceeded etc.
- No.11.32 (filing returned under No.11.37)
  - Non completion of coordination, not covered by coordination etc.
- > No.11.32A (filing returned under No.11.38)
  - Unfavourable with respect to probability of harmful interference (C/I analysis)
- Others
  - E.g. non-compliance with RES-49



### **Meaning of Symbols in Findings**

- **A** -
- Favourable with respect to No.11.31
- N -
- ➤ Unfavourable with respect to No.11.31
- AN-
  - Favourable with respect to No.11.31
  - ➤ Unfavourable with respect to No.11.32

### ANN

- > Favourable with respect to No. 11.31
- ➤ Unfavourable with respect to No.11.32
- ➤ Unfavourable with respect to No.11.32A



## RECEIVABILITY OF THE NOTICES Resubmission (1)

- Note if returned under No.11.36 (No.11.31),
   cannot be resubmitted
  - Can submit a modification if still within the DS=7 years limit from the date of receipt of API.
- If returned under No.11.37 (No.11.32), can be resubmitted
  - ➤ If only update of coordination requirements, just submit fax/letter stating with which administration has coordination been completed and under what coordination provision.
  - ➤ If there are changes in parameters (e.g. notified values are higher than those in coordination requests), then please submit new electronic file (mdb)



### Resubmission (2)

- If returned under No.11.38 (No.11.32A), can be resubmitted
  - > Just include a statement in the fax/letter to insist upon its reconsideration under No.11.41
- It is common for administrations to request for the application of Nos. **11.32A/11.41** procedure at the time of submission of first notification.
  - ➤ In this case the Bureau will process the resubmission automatically within one month from the date of the return letter. No further action is needed from the administration unless there is an update of coordination status.



### **Submission of Modification**

- For frequency assignment groups that have been given unfavourable findings under No.11.36/11.31, it is not possible to resubmit under No.11.46, so administrations may wish to submit a modification (e.g. with revised power values)
  - ➤ To submit a modification, using Spacecap, first clone the PART III-S (status 19) notice from the IFIC mdb
  - Delete the beams/groups that are not concerned by the modification
  - Carry out the required changes to the beams/groups concerned by the modification
  - Submit the resulting mdb to the Bureau with a covering letter describing in general the changes done
  - If any modification of graphical data is required, then submit also the GIMS data.
- Note that cost recovery may be applicable as this modification would be considered like a new filing (even if the request was for considerations under No. 4.4)



### **Time Limit under No.11.47**

All frequency assignments notified in advance of their being brought into use shall be entered provisionally in the Master Register

### = **Ds+7 years** (No.**11.44**)

- Inform the BR as soon as assignments are brought into use
- If assignments are not brought into use within 7 years from date Ds, provisionally recorded assignments will be cancelled
- Start API procedure



### Time Limit for No.11.43A modification of recorded assignments

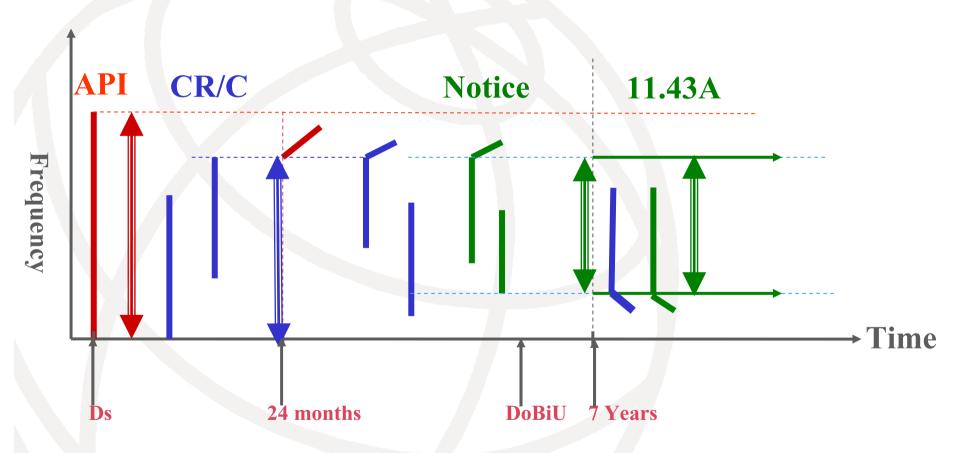
Modification of already recorded assignments in the MIFR and brought into use

- 5 years from the date of modification request received in BR (See Date of receipt indicated in the relevant CR/C published as a result of the modification request)
- Resubmission of any returned notices will be within 6 months from the date of return letter of BR



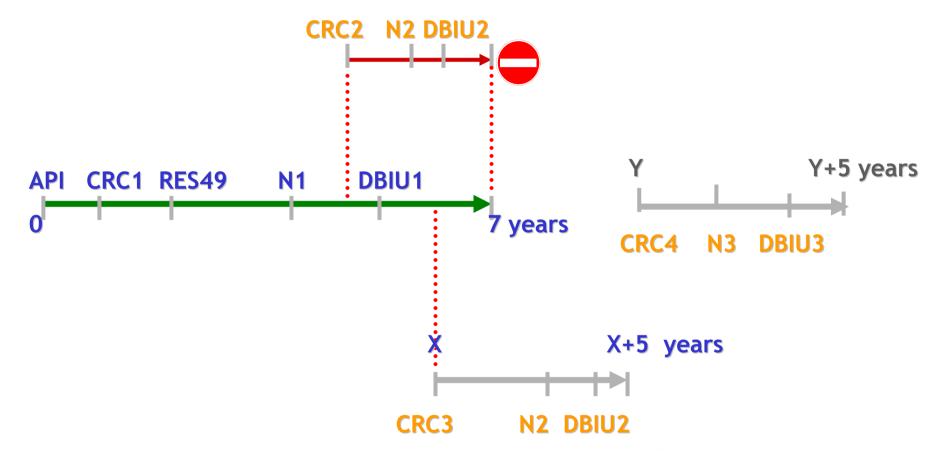


### Frequency vs Time (Limits) No.11.43A modification





#### **Modification under No.11.43A**



**Original** 

**Modification** 





## Time Limit to Resume operation of suspended assignments under No.11.49

- BR shall be informed of suspension of use of assignments in MIFR for not more than 18 months and
- shall be brought back into operation within 2 years (under No. 11.49)
- Otherwise start Coordination procedure of Article 9 <u>again</u>



### **Extension of Validity Resolution 4**

- The validity period is reckoned from the DBiU of frequency assignments
- Administration is expected to inform the Bureau 3 year before the end of the Validity period for the satellite network recorded in the MIFR



### **Extension of Validity Resolution 4**

- If no action is taken by the Administration, after the expiry of the validity period,
   Bureau invites administration to take steps to cancel the assignments
- If no reply within three months following the expiry of period an entry will be made in Remarks column to show non conformity with this Resolution



### **Special Section RES4 of the BRIFIC**



UNION INTERNATIONALE	DES T	ELECOMMUNICA	ATION
BUREAU DES RAI	DIOCOL	MMUNICATIONS	

#### RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES

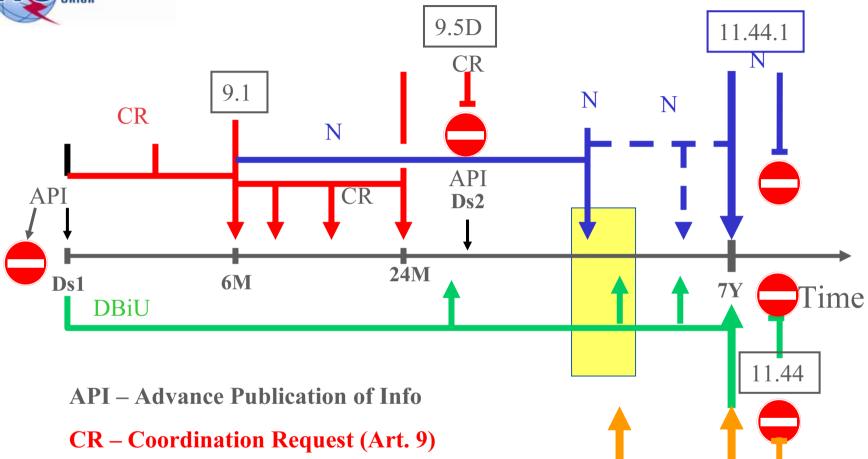
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BUKEAU DEŞ KA	DIOCOMMONICAT	IONS	RADIOCOMMUNICATI	ON BUREAU	OFICINA DE RADIOCOMUNICACIONES	@ I.T.U
RESEAU A SATELLITE SATELLITE NETWORK RED DE SATÉLITE STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA			R 1	SECTION SPECIALE Nº SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	RES4/157	
				IFIC / DATE IFIC / DATE IFIC/ FECHA	2539 / 08.03.2005	
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RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					OFICINA EL 03.03.2004	

Conformément aux prises:	dispositions de la Résolution 4, les mesures suivantes ont été	Pursuant to the provisions of Resolution 4, the following actions have been taken.	De conformidad con lo dispuesto en la Resolución 4, se han adoptado las siguientes medidas.							
	La durée de validité des assignations de fréquence à la station spatiale considérée qui est inscrite dans le Fichier de référence a été prolongée comme indiqué dans la présente Section spéciale, ainsi que l'administration notificatrice en avait fait la demande conformément au point 1.2 du décide de la Résolution 4.	The period of validity for the frequency assignments to this space station recorded in the Master Register has been extended as indicated in this Special Section and as requested by the notifying Administration in accordance with resolves 1.2 of Resolution 4.	Según se indica en la presente Sección Especial, se ha protongado la duración de validez de las asignaciones de frecuencias a esta estación espacial inscrita en el Registro, a resultas de la solicitud de notificante y de conformidad con el resules de la Resolución 4.							
	La durée de fonctionnement des assignations de fréquence inscrite dans le Fichier de référence, telle qu'indiquée dans la présente Section spéciale, est arrivée à expiration. Le Bureau a invité l'administration notificatrice à annuler le réseau du Fichier de référence, mais n'a pas reçu de réponse dans un détai de trois mois suivant l'expiration de la durée de fonctionnement. Conformément au point 1.1 du décide de la Résolution 4, le symbole RS#1,1 doit être inséré dans la colonne Observations (colonne 13B1), en ce qui concerne les assignations de fréquence énumérées dans la présente Section spéciale, pour indiquer que ces assignations ne sont pas conformes à la Résolution 4.	The period of operation for the frequency assignments recorded in the Master Register listed in this Special Section has expired. The Bureau invited the notifying Administration to cancel the network from the Master Register, but no reply has been received within 3 months following the expiry of the period of operation. In accordance with resolves 1.1 of Resolution 4, the symbol RS4#1.1 shall be inserted in the Remarks column (1381) for the frequency assignments listed in this Special Section to indicate that they are not in compliance with Resolution 4.	Ha expirado el plazo de funcionamiento de las asignaciones de frecuencia inscritas en el Registro que se indican en la Sección Especial. La Oficina invitó a la Administración que suprimir dicha red en el Registro, pero no se recibió ninguna respuesta durante los tres meses transcurridos tras la expiración del plazo de funcionamiento. A tenor del resuelve 1.1 de la Resolución 4, se inscribirá en la columna Observaciones (13B1) correspondiente a las asignaciones de frecuencias enumeradas en esta Sección Especial el simbolo RS4#1.1, para indicar que estas asignaciones no son conformes con la Resolución 4.							



### **Recapitulation (1) Time Limits New Network**



N – Notification (Art. 11)

**DBiU** – **Date of Bringing into Use** 

**DD** – **Due Diligence** 

Committed to connecting the world

**Telecommunication** 

**RS49** 

DD



### **RECAPITULATION (2) -Time Limits**

- BR SNS online HELP query/view the critical regulatory dates for a selected satellite network
  - > Date of receipt of the API "regulatory clock"
  - Frequency bands published in the API(s)
  - CR due date (No. 9.5D)
  - Notified date of bringing into use "final" regulatory date (Nos. 11.44, 11.44.1)



### **RECAPITULATION (3) -Time Limits**

### **BR SNS Online HELP - API regulatory dates summary:**

http://www.itu.int/sns/advpub.html

SUMMARY INFORMATION										
Satellite name	Longitude	Category	Category Adm		Provn	Date of receipt of last				
waana a						•				
<u>USOBO-8</u>	87.500	Α	USA	-	9.171B	23.09.2003				
Download notice into MS/ACCESS 2000 GO										
	Satellite name	Satellite name Longitude	Satellite name Longitude Category USOBO-8 87.500 A	Satellite name Longitude Category Adm USOBO-8 87.500 A USA	Satellite name Longitude Category Adm Ntwk Org  USOBO-8 87.500 A USA -	Satellite name Longitude Category Adm Ntwk Org Provn  USOBO-8 87.500 A USA - 9.1/IB				

#### Download results to:



table/worksheet: api geo sum

#### DETAILED INFORMATION

DATE OF RECEIPT		FREQUENCY TO [MHz]	CLASS OF STATION		PLANNED DATE OF BRINGING INTO USE	SERVICE AREA	IFIC/WIC NBR	H DATE (CR DUE DATE 9.5D)	G DATE REGULATORY DEADLINE 11.44,11.44.1
15.06.2001	1215.6	1239.6	EN	CO	02.05.2006	SPACE-TO-SPACE	2517	15.06.2003	15.06.2008
15.06.2001	1563.42	1587.42	EN	CO	02.05.2006	SPACE-TO-SPACE	2517	15.06.2003	15.06.2008
03.05.1999	1750	1850	EK	CO	02.05.2006	GUM	2517	03.05.2001	03.05.2006
03.05.1999	2200	2230	ER	CO	02.05.2006	MWM	2517	03.05.2001	03.05.2006
23.09.2003	2230	2235	ER	CO	02.05.2006	MWM	2537	23.09.2005	23.09.2010
03.05.1999	2235	2290	ER	CO	02.05.2006	MWM	2517	03.05.2001	03.05.2006
03.05.1999	20200	21200	EI	CO	02.05.2006	MWM	2517	03.05.2001	03.05.2006
03.05.1999	43500	45500	EI	CO	02.05.2006	MWM	2517	03.05.2001	03.05.2006



### **Conclusions 1**

- ➤It is and take extremely important to keep track action within the Time Limits for your networks.
- ➤ Valuable time will be lost in applying the procedure all over again if the time limits are not respected
- BR may send telefax and Circular
   Telegrams to remind administrations

### **Conclusions 2**

- However, administrations are strongly encouraged to keep track of the regulatory Time Limit, on their own, without waiting for the reminder from BR
- The Board may not accept non-receipt of reminders as a good reason for consideration.
- The BR is now posting only CTs and not individual telefaxes on the WEB in the following address:

http://www.itu.int/md/R00-CTITU-CIR/en



**Attila MATAS** 

**BR SSD-SPR** 

Questions?

