



Advance Publication Information (API)

Chuen Chern Loo
BR/SSD/SPR





Background

- Advance Publication Information (API) is obligatory, before coordination phase or notification (No.9.1)
- First step for all bands not subject to a plan
- No priority in being first to start advance publication
- Formal date of receipt of the API (No.9.1) starts the “regulatory clock” to count towards the 7-year limit



Advance Publication Information

– Radio Regulations

- Section I of Article 9 : Advance publication of information on satellite networks or satellite systems
- No.9.1:
 - Before initiating any action under this Article or under Article **11** in respect of frequency assignments for a satellite network or a satellite system, an administration, or one acting on behalf of a group of named administrations, shall, prior to the coordination procedure described in Section II of Article **9** below, where applicable, **send to the Bureau a general description of the network or system for advance publication** in the International Frequency Information Circular (BR IFIC) not earlier than seven years and preferably not later than two years before the planned date of bringing into use of the network or system (see also No. **11.44**).
 - The characteristics to be provided for this purpose are listed in **Appendix 4**.
 - The coordination or notification information may also be communicated to the Bureau at the same time;
 - it shall be considered as having been received by the Bureau **not earlier than six months after the date of receipt of the information for advance publication** where coordination is required by Section II of Article **9**.
 - Where coordination is not required by Section II, notification shall be considered as having been received by the Bureau **not earlier than six months after the date of publication of the advance publication information**.



Advance Publication Information - regulations

- Actions by the Bureau
 - **No.9.2A**
 - If the information is found to be **incomplete**, the Bureau shall immediately seek from the administration concerned any clarification required and information not provided.
 - **See also §3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9** of Rules of Procedure on Receivability
 - **No.9.2B**
 - On receipt of the **complete** information sent under Nos. **9.1** and **9.2**, the Bureau shall publish it in a Special Section of its BR IFIC within three months. When the Bureau is not in a position to comply with the time limit referred to above, it shall periodically so inform the administrations, giving the reasons therefor.



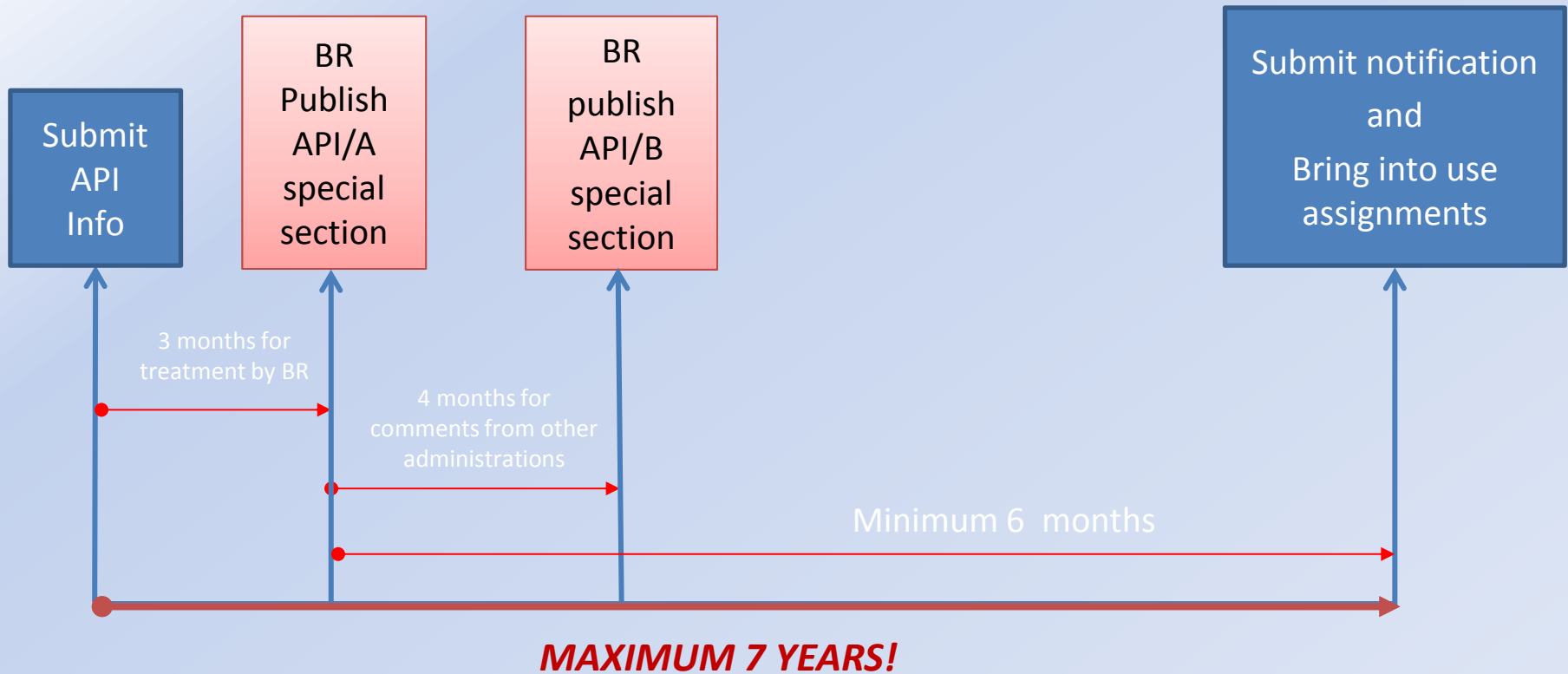
Types of API submissions

- Sub-section IA

- not subject to coordination under Section II of Article 9
 - Mainly Non-GEO networks
 - Also for GEO networks with inter-satellite link operating with other space stations in bands not subject to coordination (Rules of Procedure relating to No.11.32)
 - Detailed data requirement under Appendix 4
 - Cost recovery category A1 (570 CHF)
 - Exception for Amateur satellite service
 - 4 months for comments, published in an API/B special section
 - Notification if submitted at the same time with the API, will be considered received 6 months after the date of publication of the API



ITU Process for satellite network not subject to coordination



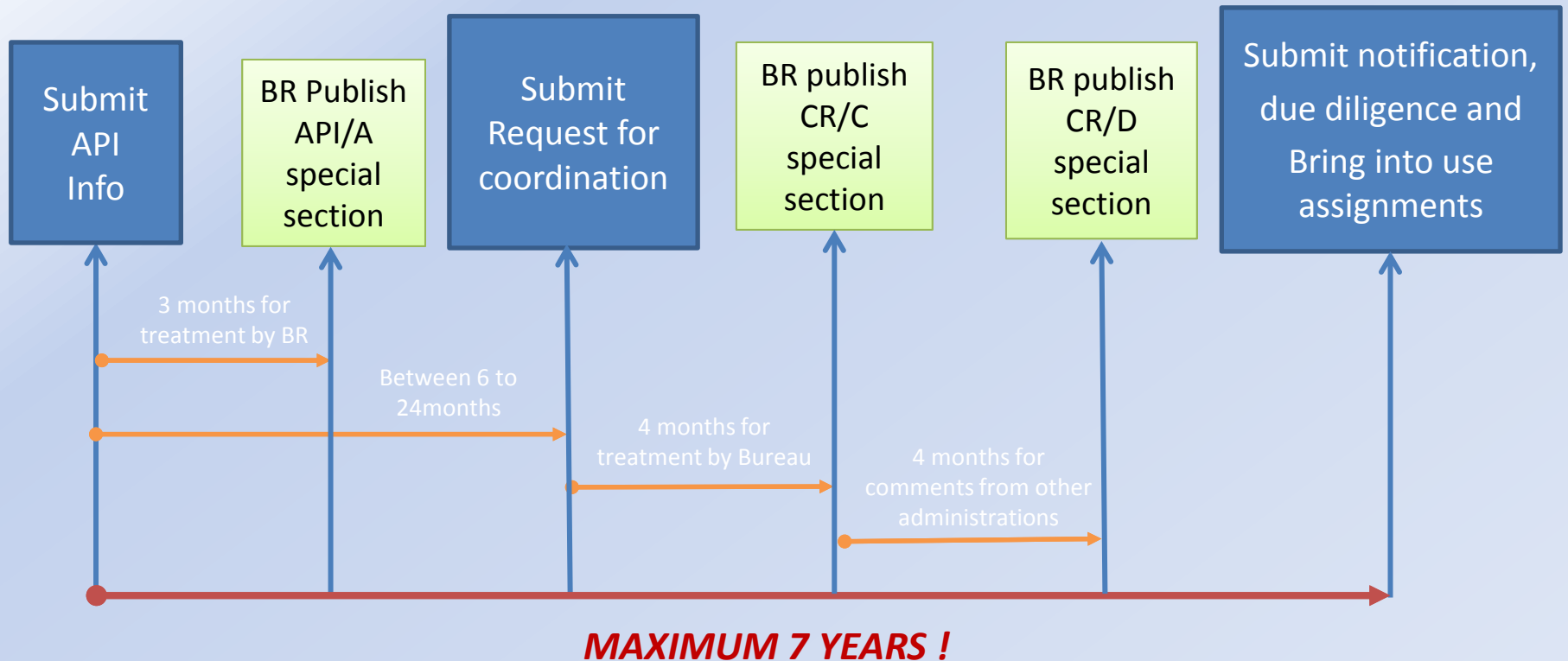


Types of API submissions - sub-section IB

- subject to coordination under Section II of Article 9
 - For all GEO networks
 - Except for GEO networks with inter-satellite link operating with other space stations in bands not subject to coordination (Rules of Procedure relating to No.11.32)
 - For Non-GEO networks operating in bands subject to coordination
 - Simplified data requirement under Appendix 4
 - No cost recovery fee
 - No publication of comments
 - Coordination if submitted at the same time as the API, will be considered as received 6 months after the date of receipt of the API
 - From 2015, submissions through SpaceWISC



ITU Process for satellite network subject to coordination





Advance Publication Information – Information required

- Annex 2 of Appendix 4
 - 3 separate columns for API
 - Advance publication of a geostationary-satellite network
 - Advance publication of a non-geostationary-satellite network subject to coordination under Section II of Article 9
 - Advance publication of a non-geostationary-satellite network not subject to coordination under Section II of Article 9
- Resolution 55
 -shall be submitted in electronic format compatible with the BR electronic notice form capture software (Spacecap)
- Resolution 908 and Rules of Procedure relating to Receivability
 - APIs for networks subject to coordination shall be submitted through SpaceWISC (with effect from 2015)



API special section – sub section IB



UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION
RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES
OFICINA DE RADIOCOMUNICACIONES

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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		GBSAT-KA-02		SECTION SPÉCIALE N ^o SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	API/A/8307
				BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2746 / 11.06.2013
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	G	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	95 E	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	113540091
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					03.04.2013

Ces renseignements sont publiés par le Bureau des radiocommunications en application du No. 9.2B. Ils font l'objet de la (les) procédure(s) suivante(s), indiquée(s) ci-dessous par un X dans la case pertinente.

This information 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.

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<input type="checkbox"/>	Les renseignements ont été reçus conformément à l'Article 9, sous-section IA Toute administration estimant que des brouillages inacceptables peuvent être causés à ses réseaux ou à ses systèmes à satellites existants ou en projet devra communiquer ses commentaires à l'administration qui a demandé la publication, avec copie au Bureau des radiocommunications, dans le délai de quatre mois qui suit la date de la présente publication.	The information has been received pursuant to Article 9, Sub-Section IA Any administration which believes that unacceptable interference may be caused to its existing or planned satellite networks or systems shall communicate its comments to the publishing administration, with a copy to the Radiocommunication Bureau, within four months after the date of this publication.	La información ha sido recibida de conformidad con el Artículo 9, sub-sección IA Toda administración que estime que pueden causarse interferencias inaceptables a sus redes o sistemas de satélites existentes o previstos comunicará sus comentarios a la administración que haya publicado la información, con copia a la Oficina de Radiocomunicaciones, en un plazo de cuatro meses contados a partir de la fecha de esta publicación.
DATE LIMITE POUR LA RÉCEPTION DES COMMENTAIRES EXPIRY DATE FOR THE RECEIPT OF COMMENTS FECHA LÍMITE PARA LA RECEPCIÓN DE LOS COMENTARIOS			
<input checked="" type="checkbox"/>	Les renseignements ont été reçus conformément à l'Article 9, sous-section IB 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.	The information has been received pursuant to Article 9, Sub-Section IB 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.	La información ha sido recibida de conformidad con el Artículo 9, sub-sección IB Cualquier administración que considere que sus sistemas o redes de 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 Radiocomunicaciones.



API special section – sub section IB

SECTION SPECIALE / SPECIAL SECTION / SECCIÓN ESPECIAL / 特节 / СПЕЦИАЛЬНАЯ СЕКЦИЯ / القسم الخاص

A	A1a Sat. Network GBSAT-KA-02	A1f1 Notifying adm. G	A1f3 Inter. sat. org.	BR1 Date of receipt 03.04.2013	B
	BR6a/BR6b Id. no. 113540091	BR3a Provision reference 9.1/IB		BR2 Adm. serial no.	

A1f2 Submitted on behalf _____

A4a1 Orbital long. 95 E

BR7a/BR7b Group id. 113636841	B2 Emi-Rcp R	BR1 Date of receipt 03.04.2013	C2c RR No. 4.4
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BR14 Special Section API/A/8307

A2b Period of valid. 25

BR60 Regulatory deadline(s) 11.44/11.44.1 03.04.2020 9.5D 03.04.2015

C1 Frequency Range	
C1a Lower limit	C1b Upper limit
30 GHz	31 GHz

C4a Class of station EC ED EI EK

C4b Nature of service OT OT OT OT

C11a2 Service area XVE

C11a3 Service area diagram _____

C11a4 Service area name _____

BR7a/BR7b Group id. 113636842	B2 Emi-Rcp E	BR1 Date of receipt 03.04.2013	C2c RR No. 4.4
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BR14 Special Section API/A/8307

A2b Period of valid. 25

BR60 Regulatory deadline(s) 11.44/11.44.1 03.04.2020 9.5D 03.04.2015



API special section – sub section IA



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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		NOVASAR-S1		SECTION SPÉCIALE N ^o SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	API/A/9514
				BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2780 / 14.10.2014
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	G	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	NGSO	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	114540576
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					11.08.2014

Ces renseignements sont publiés par le Bureau des radiocommunications en application du No. 9.2B. Ils font l'objet de la (les) procédure(s) suivante(s), indiquée(s) ci-dessous par un X dans la case pertinente.

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<input checked="" type="checkbox"/>	Les renseignements ont été reçus conformément à l'Article 9, sous-section IA Toute administration estimant que des brouillages inacceptables peuvent être causés à ses réseaux ou à ses systèmes à satellites existants ou en projet devra communiquer ses commentaires à l'administration qui a demandé la publication, <u>avec copie au Bureau des radiocommunications</u> , dans le délai de <u>quatre</u> mois qui suit la date de la présente publication.	The information has been received pursuant to Article 9, Sub-Section IA Any administration which believes that unacceptable interference may be caused to its existing or planned satellite networks or systems shall communicate its comments to the publishing administration, <u>with a copy to the Radiocommunication Bureau</u> , within <u>four</u> months after the date of this publication.	La información ha sido recibida de conformidad con el Artículo 9, sub-sección IA Toda administración que estime que pueden causarse interferencias inaceptables a sus redes o sistemas de satélites existentes o previstos comunicará sus comentarios a la administración que haya publicado la información, <u>con copia a la Oficina de Radiocomunicaciones</u> , en un plazo de <u>cuatro</u> meses contados a partir de la fecha de esta publicación.
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**DATE LIMITE POUR LA RÉCEPTION DES COMMENTAIRES
EXPIRY DATE FOR THE RECEIPT OF COMMENTS
FECHA LÍMITE PARA LA RECEPCIÓN DE LOS COMENTARIOS**

14.02.2015

<input type="checkbox"/>	Les renseignements ont été reçus conformément à l'Article 9, sous-section IB 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.	The information has been received pursuant to Article 9, Sub-Section IB 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.	La información ha sido recibida de conformidad con el Artículo 9, sub-sección IB Cualquier administración que considere que sus sistemas o redes de 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 Radiocomunicaciones.
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API special section – sub section IA

SECTION SPECIALE / SPECIAL SECTION / SECCIÓN ESPECIAL / 特节 / СПЕЦИАЛЬНАЯ СЕКЦИЯ / القسم الخاص								API/A/9514		
A	A1a Sat. Network	NOVASAR-S1	A1f1 Notifying adm.	G	A1f3 Inter. sat. org.		BR1 Date of receipt	11.08.2014	BR20 BR IFIC no.	2780
	BR6a/BR6b Id. no.	114540576	BR3a Provision reference	9.1/IA			BR2 Adm. serial no.		AIS	R

A1f2 Submitted on behalf

A4b1 No. of orbital planes A4b2 Ref. body

A4b3a No. of space stations simult. trans. on Northern Hemisphere A4b3b No. of space stations simult. trans. on Southern Hemisphere

Orbital plane no.

A4b4a Inclination angle A4b4b No. of satellites in this plane A4b4c Period A4b4d Apogee A4b4e Perigee

A4b4f Min. altitude

B1a/BR17 Beam designation B1b Steerable B2 Emi-Rcp B3a1 Max. co-polar gain

B2bis.a Transmit only when visible from notified service area B2bis.b Min. Elev. Angle

B3c1 Co-polar antenna pattern

Co-polar ref. pattern	Coef. A	Coef. B			Co-polar rad. diag.
ND-SPACE					

B4a3a1 Angle alpha B4a3a2 Angle beta

BR92 Attach. for missing angle alpha/beta

BR7a/BR7b Group id. BR1 Date of receipt C2c RR No. 4.4

BR14 Special Section

C4a Class of station C3a Assigned freq. band C5a Noise temperature

C4b Nature of service C6a Polarization type C6b Polarization angle

C11a2 Service area C11a3 Service area diagram

A2b Period of valid. A3a Op. agency A3b Adm. resp. BR16 Value of type C8b

BR60 Regulatory deadline(s)

C1 Frequency Range			
C1a Lower limit	C1b Upper limit		
156.76	MHz	156.79	MHz

C7a Design. of emission	C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Atch.	C8c3 Min. pwr dens.	C8c4 Atch.	C8e1 C/N ratio	C8e2 Atch.	C8f2 E.i.r.p. on the beam axis
1 25K0F1DBT	11	-33	3		-41		15		

C7b Carrier frequency of the emissions (25K0F1DBT)									
156.775	MHz								

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.	C10c2 Ctry	C10d1/C10d2 Cls. / Nat.	C10d3 Max. iso. gain	C10d4 Bmwidth			
AIS	T			1 TG OT	2	180			

C10d5a Co-polar antenna pattern							
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
AIS	ND-EARTH						

13C Remarks



Modifications to API - GEO

- For GEO network, the following changes will be considered a new request, and therefore will be given a new date of receipt
 - Submission of an **additional frequency band** or
 - **modification of the orbital location by more than $\pm 6^\circ$** for a space station using the geostationary-satellite orbit



Modifications to API

- for Non-GEO not subject to coordination

- For non-GEO network API where coordination is not required by Section II of Article 9, the following changes will be considered a new request, and therefore will be given a new date of receipt
 - modification of the reference body or
 - the modification of the direction of transmission for a space station using a non-GEO satellite orbit



Expiry of API

- API will be suppressed if no request for coordination is submitted for the bands within 24 months from API receipt (No. 9.5D)
- All special sections, including API, will be suppressed if notification or due diligence information is not submitted within 7 years of the receipt of API, or if the frequency assignments are not brought into use within the same period (No.11.48).



Software for submission

- Software
 - Spacecap – for capturing the information
 - Spaceval – for validating the information
 - Spacepub – for viewing/printing detailed information
- Database
 - Must be in SNS format

From 2015, all APIs subject to coordination must be submitted through the web-based submission system: Spacewisc



Advance Publication Information - sub-section IA

- Check against table of frequency allocations to be sure that service is allocated for that frequency band
- If service is not allocated for the band, consider selecting another band or request for the application of No.4.4
- Verify whether the frequencies are subject or not subject to coordination
- Check that information is complete
 - Run Spaceval to make sure there is no fatal error
- Check that antenna radiation patterns are submitted where necessary for space station and earth station
- Frequency band at the API stage should not be too narrow



Launch Spacecap

SpaceCapture V7 - [Set Notice Template]

File Edit Tools Template Window Help

CR/NOTIF API RAST PLAN RS49/552

SpaceCap

Start Page

Notice Explorer

Open Notice

New Notice

Search

Start Page - AP4/II and AP4/III

Transaction Id:

Current DB : C:\BR_SOFT\DATA\SPACECAP_V7.MDB Click on Notice Explorer to see a list of Notices, or New Notice to create one.



Spacecap – open database

The screenshot shows the SpaceCapture V7 software interface. The title bar reads "SpaceCapture V7 - [Set Notice Template]". The menu bar includes "File", "Edit", "Tools", "Template", "Window", and "Help". The "File" menu is open, and the "Open Database" option is circled in red. Other options in the menu include "New Database", "Open SNS Database", "Open SQLServer Localdb", "Preferences", and "Exit". Below the menu, the file path "C:\BR_SOFT\data\spacecap_v7.mdb" is displayed. The main workspace shows a toolbar with icons for printing, saving, and help, and a status bar displaying "P4/III". On the left side, there is a "Notice Explorer" panel with icons for "Open Notice", "New Notice", and "Search".

Current DB : C:\BR_SOFT\DATA\SPACECAP_V7.MDB Click on Notice Explorer to see a list of Notices, or New Notice to create one.



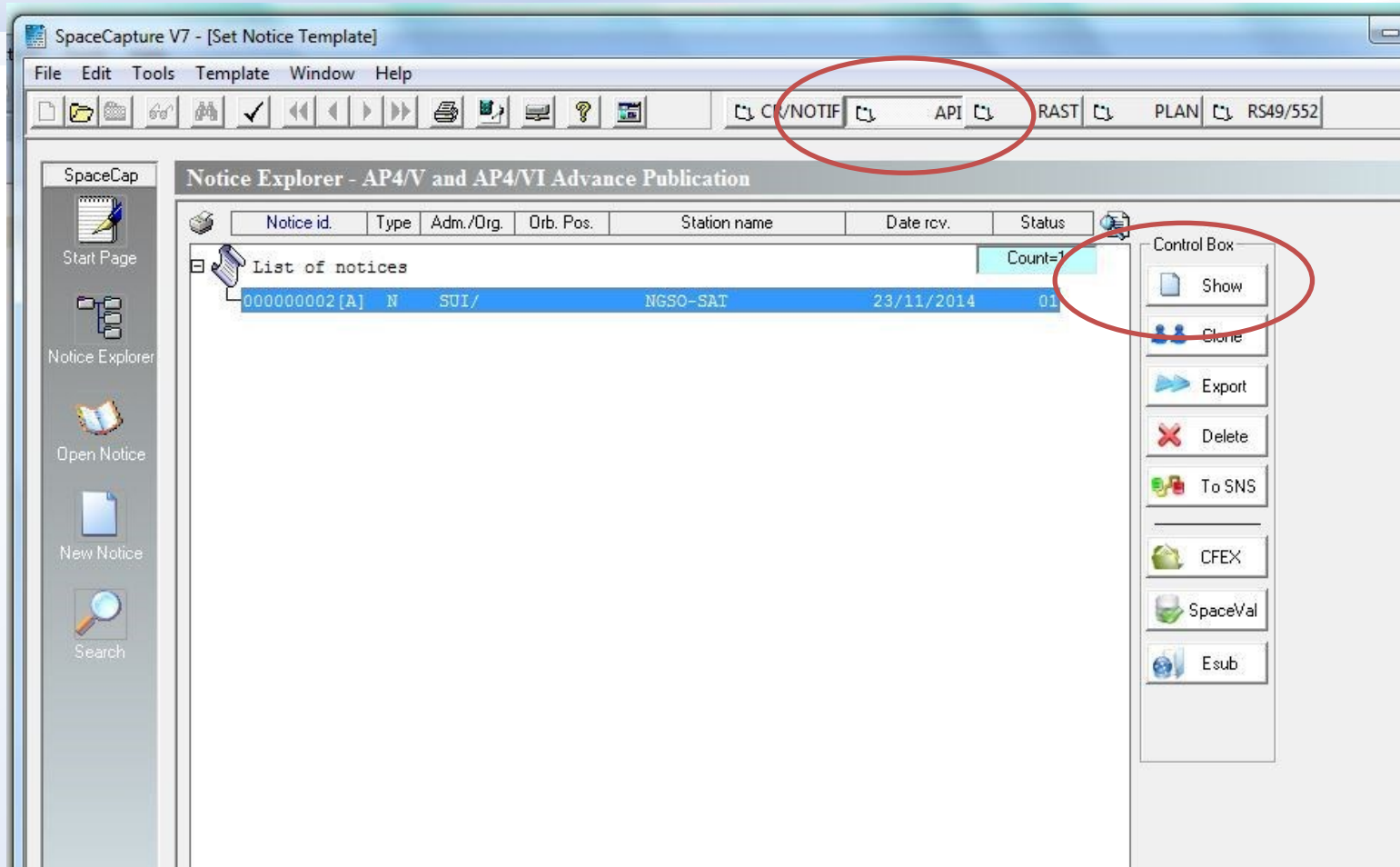
Validation exercise

– for delegates during BR seminar

- Open the following file from your USB key:
 - \WRS-14\Space Workshops\SPR\API\
exercise - NGSO not subj to coord\
API NGSO exercise.mdb



Validation exercise



Directory: \WRS-14\Space Workshops\SPR\API\exercise - NGSO not subj to coord\
Filename: API NGSO exercise.mdb



Viewing in Spacecap for NGSO not subject to coordination

SpaceCapture V7

File Edit Tools View Window Help

CR/NOTIF API RAST PLAN RS49/552

Forms of Notice Advance Publication

Notice	Beam	Remarks
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Notice Id: Advance Publication Status:

Date: DD/MM/YY Administration Serial Nbr

A1f1. Notifying Administration A1f2. Notice submitted on behalf of these administrations. +
A1f3. Intergovernmental Satellite System x

GeoStationary Satellite Network Non GeoStationary Satellite Network

Notice intended for
 Add Mod Sup
BR Identification No. of the Satellite Network to be Modified

A1a. Identity of the Satellite Network

A4. Orbital Information

A4b1. Number of Orbital Planes A4b2. Reference body

A4b3a. Nbr of Satellites to NH A4b3b. Nbr of Satellites to SH

A4b4. Orbital Plane Information

Section II Article 9
 Subject to coordination
 Not Subject to coordination
 Both

List of Available Beams
Beam TC
Beam DATA
Beam TM

More...



Launch Spaceval

SpaceCapture V7 - [Set Notice Template]

File Edit Tools Template Window Help

CR/NOTIF API RAST PLAN RS49/552

SpaceCap

- Start Page
- Notice Explorer
- Open Notice
- New Notice
- Search

Notice Explorer - AP4/V and AP4/VI Advance Publication

Notice id.	Type	Adm./Org.	Orb. Pos.	Station name	Date rcv.	Status
List of notices Count=1						
000000002 [A]	N	SUI/		NGSO-SAT	23/11/2014	01

Control Box

- Show
- Clone
- Export
- Delete
- To SNS
- GFEY
- SpaceVal**
- Esub



Spaceval – start validation

SpaceVal Dialog

Initiate Validation for:
Dbname: C:\Users\loo\Documents\brseminar\final\API NGSD exercise.mdb
Ntc ID: 2 Adm: SUI Sat Name: NGSD-SAT Action:A Status:01 D_RCV: 23/11/2014

Enter parameters for SpaceVal Run as external user

Error message and level selection
 Show fatal messages only Show all messages

Validation Options
 Straps not provided - optional under appendix 4 (WRC2007)
 Check frequency overlap using assigned frequency bandwidth

Graphical Data Cross Validation
 Cross Validate
GIMS Database (.mdb)

ITU internal Options
 Skip API check Skip FixThings Partial Merge option

Press control button to start SpaceVal



Validation report

SNS Validation Errors

Rule Report First Prev Next Last Space Rules Earth Rules Plan Rules Items Summary Fatal Export

Validation Report for 2 User LOO created on 01/12/2014 10:17:48 with SpaceVal 7.1.5
C:\Users\loo\Documents\brseminar\final\API NGSD exercise.mdb
Ntc ID: 2 Adm: SUI Sat Name: NGSD-SAT Action:A Status:01 D_RCV: 23/11/2014
Fatal Errors: 1 Warnings: 5

Beam	E/R	Grp id	Table	Field	Value	Row no	Val err	Rule	Severit	Ap4_Ref	Text
			non_geo	sat_name	NGSD-SAT		200	2	W	A1a	Satellite name not in ref table
				sat_name	NGSD-SAT		200	3	W	A1a	Invalid satellite name or action-code value
TC	R	114618301	grp	op_agcy	999		605	3	W	A3a	value = 999 ; please provide details in attachment
DATA	E	114618298		op_agcy	999		605	3	W	A3a	value = 999 ; please provide details in attachment
TM		114618299	carrier_fr	freq_carr		1	780	1	F	C.7.b	Value missing
			grp	op_agcy	999		605	3	W	A3a	value = 999 ; please provide details in attachment



Validation correction

- To correct the fatal error of missing carrier frequency



Validation correction – carrier frequency -1

SpaceCapture V7

File Edit Tools View Window Help

CR/NOTIF API RAST PLAN RS49/552

Forms of Notice Advance Publication

Assoc Earth Station Notice Assoc Space Station Beam Attachments Group **Emissions** Frequencies

Notice Id: 2 Adm: SUI Satellite Network: NGSO-SAT Beam Id: TM E Group Id: 114618299

C7a. Designation of Emission	C8a1/C8b1. Maximum Peak Power [dBW]	C8a2/C8b2. Maximum Power Density	Emission of Type C8b	C8c1. Minimum Peak Power [dBW]	C8c2. Attach No. Pep	C8c3. Minimum Power Density	C8c4. Attach No. Mpd	C8e1. C/N objective (total - clear sky) [dB]	C8e2. Attach No. C/N	C9 Modulation Char
▶ 350KG1D--	-7.1	-57.0	<input type="checkbox"/>	-8.8		-57.0		13.0		modchar
			<input type="checkbox"/>							
			<input type="checkbox"/>							
			<input type="checkbox"/>							
			<input type="checkbox"/>							
			<input type="checkbox"/>							
			<input type="checkbox"/>							
			<input type="checkbox"/>							
			<input type="checkbox"/>							
			<input type="checkbox"/>							

Carrier Frequencies ←



Validation correction – carrier frequency -2

SpaceCapture V /

File Edit Tools View Window Help

CR/NOTIF API RAST PLAN RS49/552

Carrier Frequencies

Notice Id: 2 Adm: SUI Satellite Network: NGS0-SAT Beam Id: TM Emi Rcp: E Grp Id: 114618299

Select the Designation of Emission from the list below for which you wish to add Carrier Frequencies.

C7a. Designation of Emission	seq_no
▶ 350KG1D--	1

C7b. Carrier Frequency MHz	seq_emiss
▶	

Apply these characteristics to all emissions in this grp

Apply these characteristics to the current emission

Save Close



Validation correction – carrier frequency -3

SpaceCapture V7

Carrier Frequencies

Notice Id: Adm: Satellite Network: Beam Id: Emi Rcp: Grp Id:

Select the Designation of Emission from the list below for which you wish to add Carrier Frequencies.

C7a. Designation of Emission	seq_no
<input checked="" type="checkbox"/> 350KG1D--	1
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

C7b. Carrier Frequency MHz	seq_no
<input checked="" type="checkbox"/> 2268.00000	1
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
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<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

Apply these characteristics to all emissions in this grp

Apply these characteristics to the current emission

Save Close



Validation correction

- For the warning about operating agency being 9999
- If it is a new operating agency, please request BR to allocate a new operating agency number by providing the name, address and contact number in a fax.
- If it is an existing operating agency that is already recorded in the Preface, you can insert the operating agency number as shown in the following steps.



Validation correction – operating agency -1

SpaceCapture V7

File Edit Tools View Window Help

CR/NOTIF API RAST PLAN RS49/552

Forms of Notice Advance Publication

Assoc Earth Station Notice Assoc Space Station Beam **Attachments Group** Emissions Frequencies

Notice: 2 Satellite Network: NGS0-SAT Beam Id: TCR Group Id: 114618301 Split Grp Id:

3. Observed Frequencies and Related Characteristics

Add Mod Sup of the group BR Identification of the Group to be modified/suppressed Page No. 1 BR Data

Characteristics Common to a Group of Frequencies **General Characteristics**

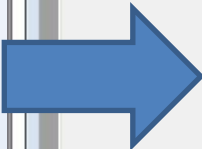
A2b. Period of Validity: 5 Years

A3a. Operating Administration or Agency: 9999 Other

A3b. Responsible Administration: A ... FEDERAL OFFICE OF COMMUNICATION

To apply this information to other groups, select the beam or notice option.

Apply to current group only Apply to all groups in this beam Apply to all groups in this notice





Validation correction – operating agency -2

SpaceCapture V7

File Edit Tools View Window Help

CR/NOTIF API RAST PLAN RS49/552

Forms of Notice Advance Publication

Assoc Earth Station Notice	Assoc Space Station Beam	Attachments Group	Emissions	Frequencies
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Notice: 2 Satellite Network: NGSD-SAT Beam Id: TME Group Id: 114618299 Split Grp Id:

3. Observed Frequencies and Related Characteristics

Add Mod Sup of the group BR Identification of the Group to be modified/suppressed Page No. 3 BR Data

Characteristics Common to a Group of Frequencies **General Characteristics**

A2b. Period of Validity 5 Years

A3a. Operating Administration or Agency
012 ... EPFL - ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE

A3b. Responsible Administration
A ... FEDERAL OFFICE OF COMMUNICATION

To apply this information to other groups, select the beam or notice option.

Apply to current group only Apply to all groups in this beam Apply to all groups in this notice



Validation report - final

SpaceCapture V7 - [Set Notice Template]

File Edit Tools Template Window Help

CR/NOTIF API RAST PLAN

SNS Validation Errors

Rule Report First Prev Next Last Space Rules Earth Rules Plan Rules Items Summary

Validation Report for 2 User LOO created on 08.12.2014 18:10:56 with SpaceVal 7.1.6
C:\Users\loo\Documents\BRSeminar\final\API NGSO exercise.mdb

Ntc ID: 2 Adm: SUI Sat Name: NGSO-SAT Action:A Status:01 D_RCV: 23.11.2014

Fatal Errors: 0 Warnings: 2

Beam	E/R	Grp id	Table	Field	Value	Row no	Val err	Rule	Severit	Ap4_Ref	Text
			non_geo	sat_name	NGSO-SAT	200	2	W	A1a	Satellite name not in ref table	
				sat_name	NGSO-SAT	200	3	W	A1a	Invalid satellite name or action-code value	



Submission to Bureau

- Create a zip file e.g. NGSOSAT.zip containing
 - NGSOSAT.MDB - Change the file extension from “.mdb” to “.itu”
 - Any other attachments or notes in Word or PDF format
- Send email with attachment NGSOSAT.zip to BRMAIL@ITU.INT
- Send confirmation telefax to BR at +41 22 7305785



SpaceWISC workshop agenda

- Background
- API Capture/Validation/Submission exercise
- Demonstration of operator/administration workflow
- Advanced features
 - Upload of notices from mdb captured using Spacecap
 - Capture of modification
 - Suppression and Withdrawal Request



Questions?

Chuen-Chern.Loo@itu.int
BR/SSD/SPR

