SpaceCom

Presented by
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ITU-R Space Regulatory Workshop
Niamey, Niger 5-9 December 2011

Coordination of Satellite Networks

- Section II, **Article 9**
  "Procedure for effecting coordination with or obtaining agreement of the other administrations"
- **Contains (almost) all cases (forms) of coordination for satellite networks (GSO and Non-GSO), earth and terrestrial stations**

Coordination is an obligation:

- for the administration wishing to assign a frequency to a station;
- for any other administration whose services might be affected (No. 9.53)

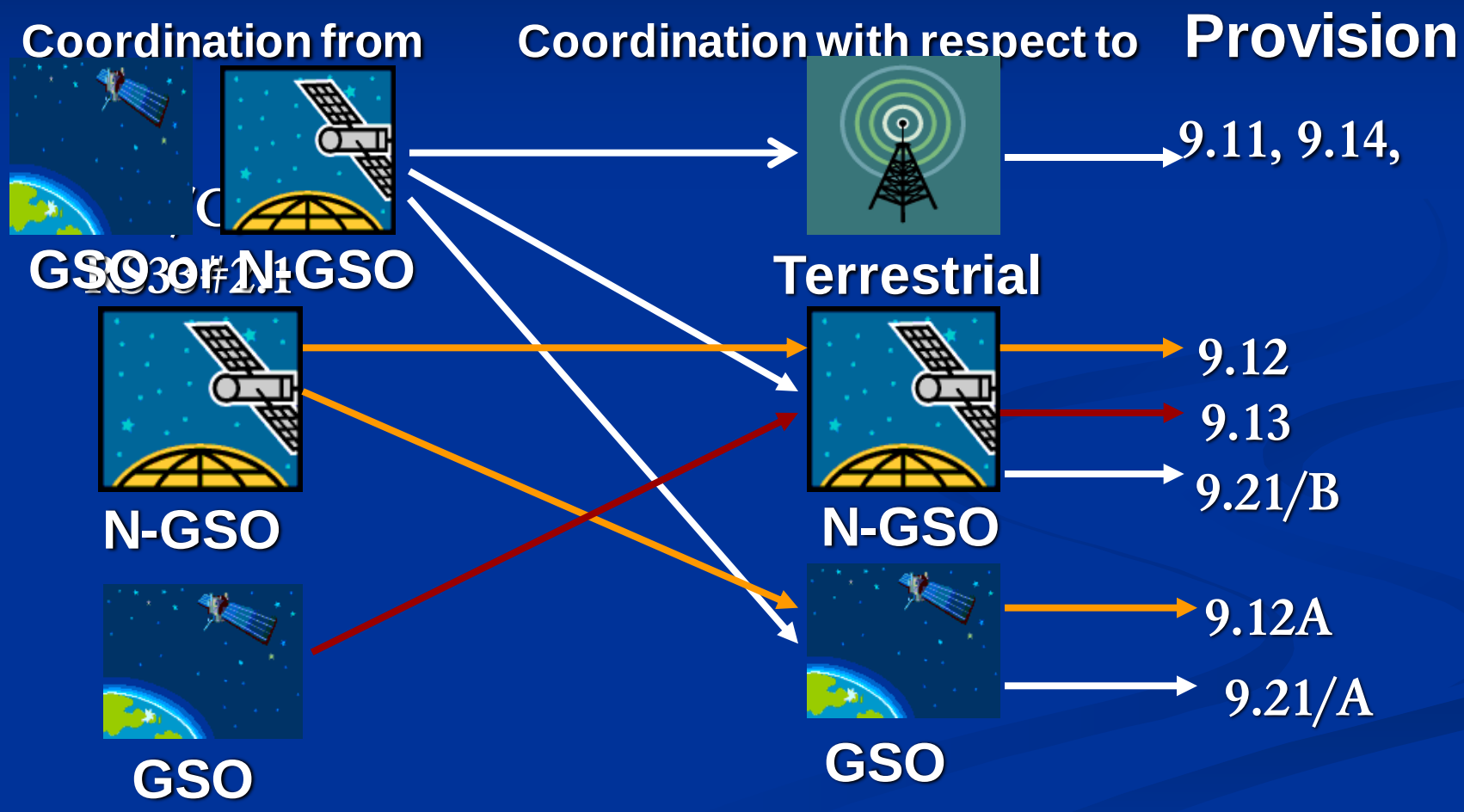
Application of No. 9.53A

- **No. 9.52 objections to be submitted by administrations within <u>four months</u> of the date of publication of the BR IFIC**

- **No. 9.52C for coordination requests under Nos.9.11 to 9.14 and 9.21, absence of response under No.9.52 within the 4 month period means agreement**

- **No. 9.53A the treatment by the Bureau of such comments in respect of a coordination request**

Range of applicability of No. 9.53A



resolves 2 of Resolution 55(Rev. WRC07)

As from 17 November 2007, all disagreements submitted to the Bureau pursuant No. 9.52 in respect of coordination requests under 9.11 to 9.14, 9.21 are to be provided in electronic format created by SpaceCom.

Radio Regulation Board fixed the dead line of 01 July 2009 as the effective date of application for mandatory electronic filing.

Beyond this date, disagreements described above will be taken into consideration only if submitted by SpaceCom

What is SpaceCom?

SpaceCom

an application designed to assist administrations in the management of the objections under No. 9.52

on CR/C Special Section

concerning requests for coordination under 9.11 to 9.14, 9.21 and RS33#2.1 and their treatment under 9.53A

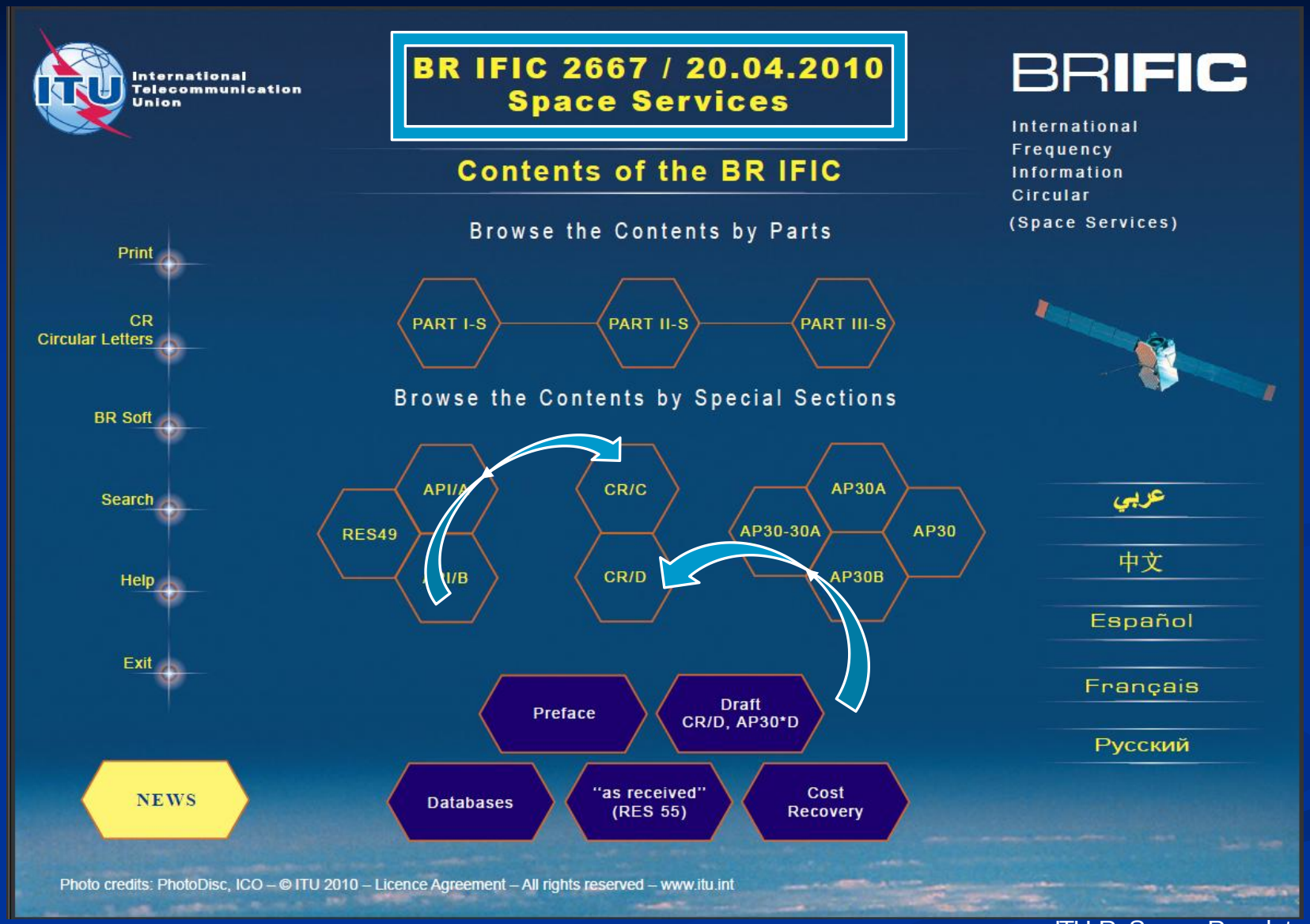
SpaceCom
Who uses?
How does it work?

Potentially Affected Administration

Telecommunication Operators

Notifying Administration

ITU-BR



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UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS
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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE	SAC-D	SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.°	CR/C/2481
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA	---	BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2663 / 23.02.2010
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	ARG	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	NGSO
NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	109520249		
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL	21.10.2009		

Cette demande de coordination, reçue par le Bureau des radiocommunications en vertu du numéro 9.30 du Règlement des radiocommunications, a été examinée au titre des numéros 9.35 et 9.36 et est publiée conformément au numéro 9.38. Elle est subordonnée au type de coordination indiqué dans la colonne de gauche par un X dans la case pertinente.

This request for coordination, received by the Radiocommunication Bureau pursuant to No. 9.30 of the Radio Regulations, has been examined under Nos. 9.35 and 9.36 and is published in accordance with No. 9.38. It is subject to the form of coordination indicated in the left-hand column by an X in the relevant box

Esta solicitud de coordinación, recibida por la Oficina de Radiocomunicaciones de conformidad con el punto Nº 9.30 del Reglamento de Radiocomunicaciones, se ha examinado de conformidad con los Nos. 9.35 y 9.36 y se publica de conformidad con el Nº 9.38. Está sujeta al formulario de coordinación indicado en la columna de la izquierda con una X en la casilla correspondiente.

Type de coordination mentionné dans le Tableau I / Form of coordination referred to in Table I / Forma de coordinación mencionada en el cuadro I

	9.7
	9.7A
	9.7B
	9.42
	AP30#7.1
	AP30A#7.1
	RS77
	RS84
	RS539
	RS33#5

Conformément aux numéros **9.50** à **9.52** du Règlement des radiocommunications, les Administrations identifiées dans le Tableau I ci-après sont priées de communiquer leur décision à l'Administrati… avant la date limite indiquée c…

In accordance with Nos. **9.50-9.52** of the Radio Regulations, the Administrations identified in Table I below are requested to communicate their decision to the Responsible …

De conformidad con los Nos. **9.50-9.52** del Reglamento de Radiocomunicaciones, se solicita a las administraciones señaladas en el cuadro I a continuación que comuniquen su …ón a la administración responsable y a la Oficina antes …azo indicado más abajo.

Type de coordination mentionné dans le Tableau II / Form of coordination referred …

		9.11
X		9.11A
	X	9.12
	X	9.12A
		9.13
		9.14
		9.21/A
		9.21/B
		9.21/C
		RS33#2.1

Les Administrations, énumér… le Tableau II ci-après, qui n'a… coordination au titre des nu… **RS33#2.1**, sont priées de com… à l'Administration responsabl… limite indiquée ci-dessous. … réagira pas au titre du numér… sera considérée comme n… influencée et, dans les cas co… **9.14** et **RS33#2.1**, les dispo… **9.49** s'appliqueront.

Administrations listed or not listed in Table II below, which do not agree to the request for coordination under Nos. **9.11** to **9.14**, **9.21** and **RS33#2.1** are requested to communicate their comments to the responsible administration and the Bureau by the deadline indicated below. Any administration not responding under No. **9.52** within this deadline shall be regarded as unaffected and, in the cases of Nos. **9.11** to **9.14** and **RS33#2.1**, the provisions of Nos. **9.48** and **9.49** shall apply.

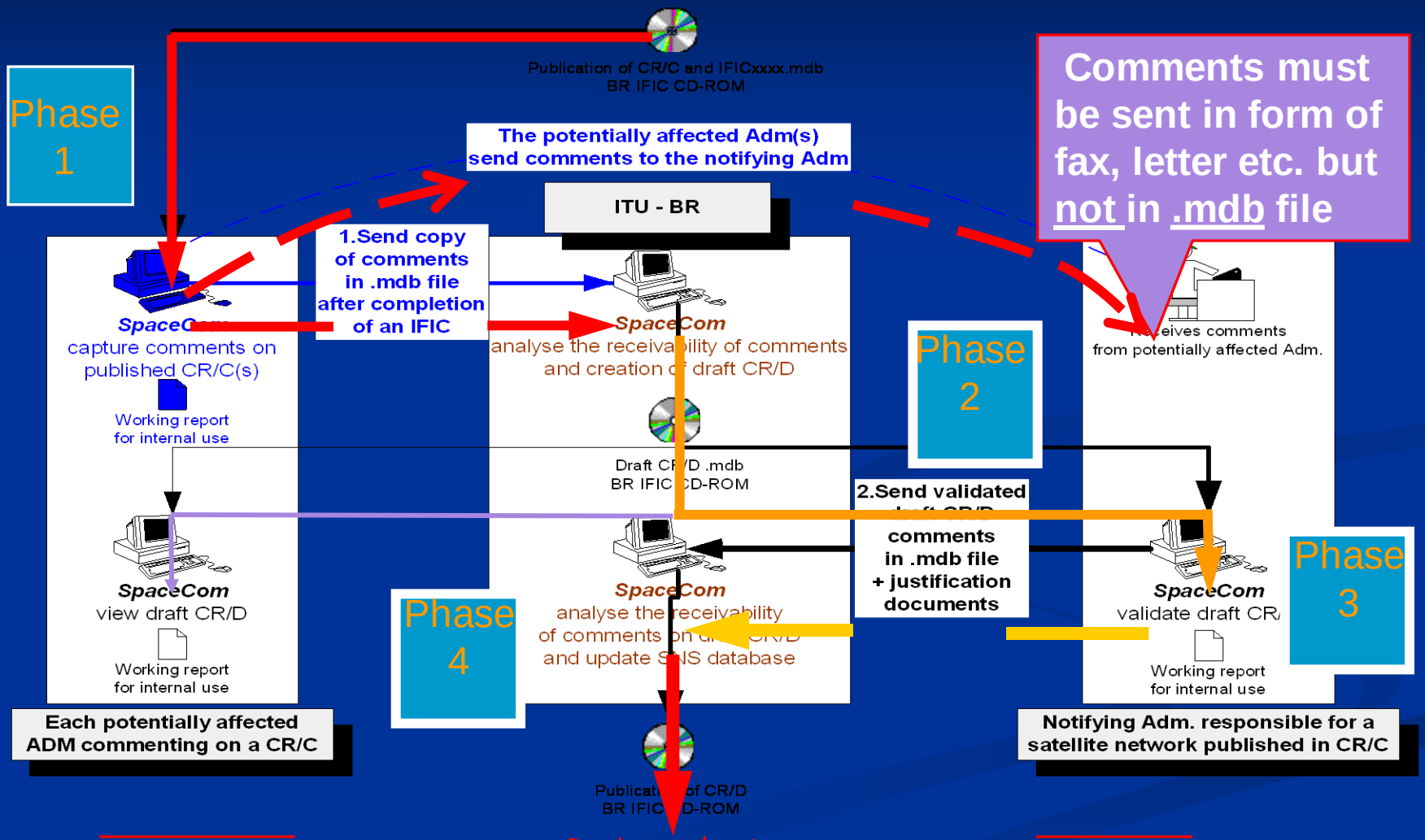
…vita a las administraciones, enumeradas o no en el …o II, que no estén de acuerdo con la solicitud de …inación de conformidad con los Nos. **9.11** a **9.14**, **9.21** y …#2.1 que comuniquen sus observaciones a la …istración responsable y a la Oficina dentro del plazo …do más abajo. Se considerará que toda administración …o responda de conformidad con el Nº **9.52** dentro del …señalado, no está afectada y, en el caso de los Nos. **9.11** a …RS33#2.1, se aplicarán las disposiciones de los Nos. **9.48** …

DATE LIMITE POUR LA DÉCISION / EXPIRY DATE FOR DECISION / FECHA LÍMITE PARA LA DECISIÓN	23.06.2010

Tableau II /Table II /Cuadro II /表二 /Таблица II / II الجدول					
Disposition / Provision / Disposición / 条款 / Положение / الحكم			Administrations susceptibles d'être défavorablement influencées (à titre d'information uniquement, voir numéro 9.36.1) 可能受影响的主管部门(仅供参考，见第 9.36.1款)	Potentially affected administrations (for information only, see No. 9.36.1) Потенциально затрагиваемые администрации (исключительно для информации, см. п. 9.36.1)	Administraciones posiblemente afectadas (sólo para información, véase el N° 9.36.1) إدارات يحتمل أن تتأثر تأثراً غير مؤات (انظر الرقم 1.36.9، على سبيل الاطلاع فقط)
	9.11				
X	9.11A				
	X	9.12	CHN, D/GLS, F/GLS, F, G, I/GLS, J, RUS, USA, XSU		
	X	9.12A	ARS/ARB, CHN		
		9.13			
		9.14			
	9.21/A[1]				
	9.21/B[1]				
	9.21/C[1]				
	RS33#2.1				

[1] 9.21/A, 9.21/B et 9.21/C – au titre du numéro 9.21, administrations ayant des réseaux OSG, des réseaux non-OSG et des stations de Terre, respectivement.
[1] 9.21/A, 9.21/B and 9.21/C – Under No. 9.21, administrations with GSO networks, Non-GSO networks and terrestrial stations, respectively.
[1] 9.21/A, 9.21/B y 9.21/C – De conformidad con el N° 9.21, administraciones con redes OSG, redes no OSG y estaciones terrestres, respectivamente.
[1] 9.21/A, 9.21/B 和 9.21/C – 根据第9.21款, 分别为有对地静止卫星轨道网络、非对地静止卫星轨道网络和地面站的主管部门
[1] 9.21/A, 9.21/B и 9.21/C – в соответствии с п. 9.21 администрации, имеющие сети ГСО, сети НГСО и наземные станции, соответственно.
[1] 9.21/A و9.21/B و9.21/C – بموجب الرقم 21.9، إدارات لها شبكات مستقرة بالنسبة إلى الأرض وشبكات غير مستقرة بالنسبة إلى الأرض ومحطات للأرض على التوالي.

Exchange of information



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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE	SAC-D	SECTION SPÉCIALE Nº SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	CR/D/1652
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA	---	BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2680 / 19.10.2010
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	ARG	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	NGSO
NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	109520249		

	9.11	1. La présente Section spéciale est publiée conformément au numéro 9.53A du Règlement des radiocommunications, et concerne la demande de coordination publiée dans la section spéciale CR/C indiquée au bas de cette page.	1. This Special Section is published in accordance with No. 9.53A of the Radio Regulations, in respect of the request for coordination published in the CR/C Special Section referenced at the bottom of this page.	1. Esta Sección Especial se publica de conformidad con lo dispuesto en el número 9.53A del Reglamento de Radiocomunicaciones, en lo que respecta a la solicitud de coordinación publicada en la Sección Especial CR/C cuya referencia se indica en el extremo de esta página.
X	9.11A			
	X 9.12	2. Les administrations qui ont soumis des observations au titre du numéro 9.52 dans le délai de quatre mois suivant la date de publication de la Section spéciale CR/C précitée, concernant le type de coordination indiqué par une croix (X) dans la case appropriée de la colonne de gauche, sont indiquées dans les Tableaux I et II ci-dessous.	2. Administrations that have submitted comments under No. 9.52 within four months of the date of publication of the mentioned CR/C Special Section, with respect to the form of coordination indicated in the left-hand column by an X in the relevant box, are listed in Tables I and II below.	2. En los Cuadros I y II que figuran a continuación se enumeran las administraciones que han presentado comentarios conforme al número 9.52 dentro de un plazo de cuatro meses a partir de la fecha de publicación de la Sección Especial CR/C mencionada, con respecto al tipo de coordinación indicado en la columna de la izquierda mediante una X en el casillero correspondiente.
	X 9.12A			
	9.13			
	9.14			
	9.21/A	3. Conformément au numéro 9.52C, toute administration autre que celles qui ont formulé des observations dans le délai réglementaire, sera réputée ne pas être affectée, et dans le cas de demande de coordination au titre des numéros 9.11 à 9.14 les dispositions des numéros 9.48 et 9.49 s'appliqueront.	3. Pursuant to No. 9.52C, any administration other than those having submitted comments within the regulatory time-limit shall be regarded as unaffected, and in the case of coordination requests under Nos. 9.11 to 9.14 the provisions of Nos. 9.48 and 9.49 shall apply.	3. Según lo dispuesto en el 9.52C, toda administración que no haya presentado comentarios en el plazo de tiempo reglamentario se considerará como no afectada, y a las peticiones de coordinación previstas en los números 9.11 a 9.14 se le aplicarán las disposiciones de los números 9.48 y 9.49.
	9.21/B			
	9.21/C			
	RS33#2.1			

RÉFÉRENCE DE LA SECTION SPÉCIALE (BR IFIC / DATE) SPECIAL SECTION REFERENCE (BR IFIC / DATE) REFERENCIA DE LA SECCIÓN ESPECIAL (BR IFIC / FECHA)	CR/C/2481 (BR IFIC 2663 / 23.02.2010)

Tableau I /Table I /Cuadro I /表一/ Таблица I / I الجدول

Disposition / Provision / Disposición / 条款 / Положение / الحكم		Récapitulatif des coordinations à effectuer / 协调要求概述 / Summary of coordination requirements / Сводные данные о будущей координации / Resumen de los requisitos de coordinación / ملخص متطلبات التنسيق
	9.11	
X	9.12	CHN, F/GLS, F, G, I/GLS, J, USA
X	9.12A	ARS/ARB, CHN
	9.13	
	9.21A	
	9.21B	
	9.21C	
	RS33#2.1	

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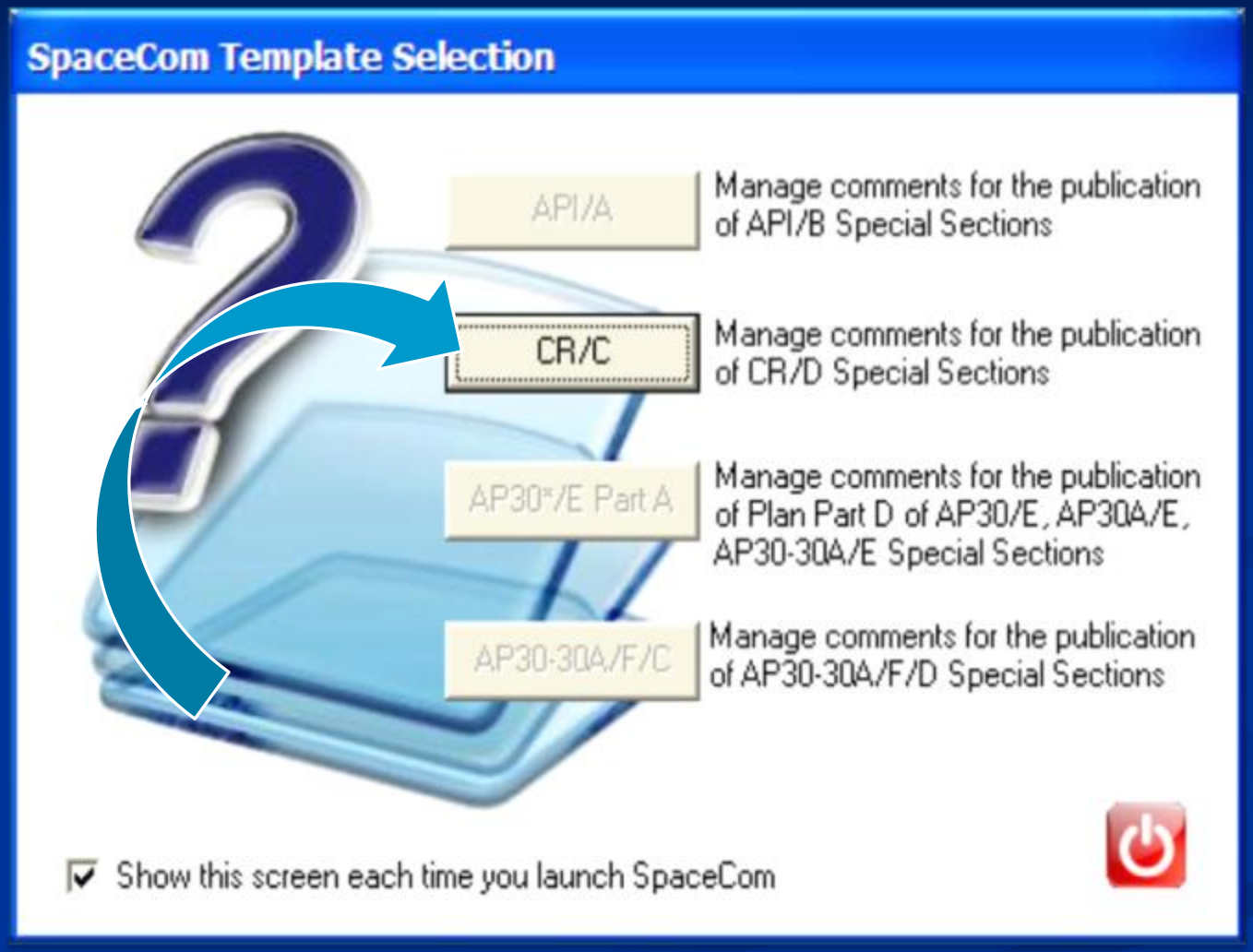
CR/C for the publication of CR/D

How it works???


SpaceCom Template Selection
API/A
Manage comments for the publication of API/B Special Sections
CR/C
Manage comments for the publication of CR/D Special Sections
AP30*/E Part A
Manage comments for the publication of Plan Part D of AP30/E, AP30A/E, AP30-30A/E Special Sections
AP30-30A/F/C
Manage comments for the publication of AP30-30A/F/D Special Sections
Show this screen each time you launch SpaceCom

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Comment

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Potentially affected Administration's comments under No. 9.52

1. Input information to get a list of CR/C(s) to comment

BR IFIC No. / Date 2667 / 20.04.2010 Expiry date for decision 20.08.2010

You are outside of the valid commenting period

BR IFIC database BR_DATA\SPACE\IFIC_DB\ific2667.mdb

Administration code / network org. F /

Comments file location

Get list of CR/C(s)...

2. Select a CR/C to comment and click 'Comment CR/C...'

Notice id.	Special section	Rev.	No.	Adm.	Org.	Satellite network	Orb.r	Identified by BR under 9.36.1	Comments completion	Comments last update
109520305	CR/C/2530			UAE		YAHSAT-N-25.5E	25.50	F	✗	
109520315	CR/C/2531			EGY		NAVISAT-2A	21.00	F	✗	
109520316	CR/C/2532			EGY		NAVISAT-9A	14.00	F	✗	
109520317	CR/C/2533			EGY		NAVISAT-11A	28.25	F	✗	
109520318	CR/C/2534			EGY		NAVISAT-12A	35.50	F	✗	
109520319	CR/C/2535			EGY		NAVISAT-14A	44.00	F	✗	
109520324	CR/C/2540			USA		USABSN-21	-79.00		✗	
109520325	CR/C/2541			J		N-SAT-A-114.9W	-114.90	F	✗	
109520327	CR/C/2542			F	GLS	GALILEO-2	NGSO	F	✗	
109520342	CR/C/2543			UAE		YAHSAT-N-33W	-33.00	F	✗	
109520343	CR/C/2544			UAE		YAHSAT-N-45W	-45.00	F	✗	

Comment CR/C...

Create report

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Potentially affected Administration's comments under No. 9.52

CR/C information

Provision	Special Section	Adm./ntwk. org.	Satellite network	Orb. pos.
9.13	CR/C/2530	UAE	YAHSAT-N-25.5E	25.50

1. Select the Form of coordination to comment

Form of coordination	Coordination from	Coordination with respect to	Identified	Last update	Comments completed
9.13	GSO	NGSO	F	01.07.2010 ...	☑
9.14	SS	TS	F	01.07.2010 ...	☑

2. Enter your comments on groups by clicking the relevant check box in column 'Confirm/Add/Remove'

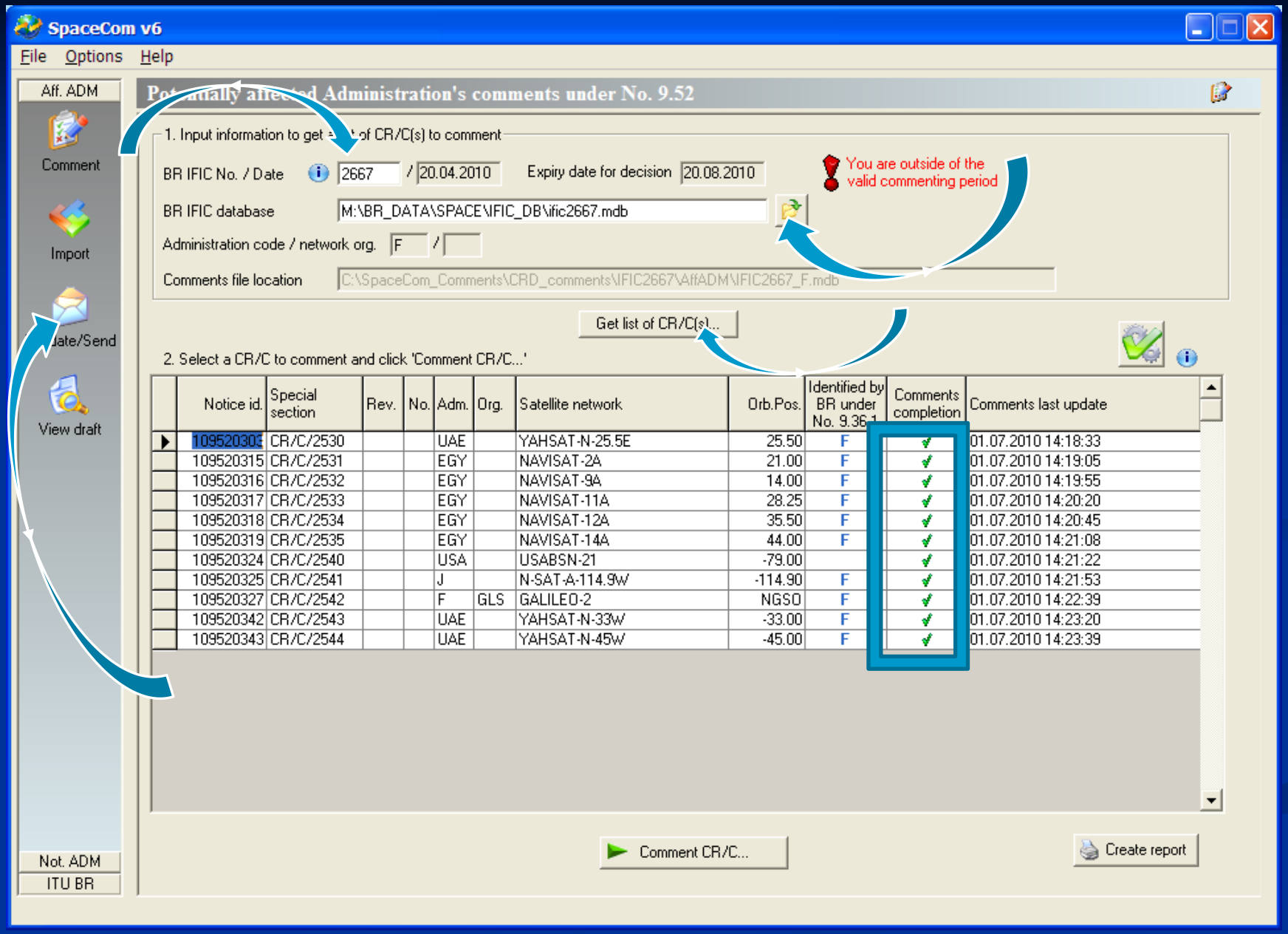
If you do not click, it means that you do not wish to be included in coordination process

Beam	Rcp.	Group	(MHz)	(MHz)	Identified by BR or added by affected Adm.	Confirm / Add / Remove	Administration comments	Remarks
KAD2	E	109679441	18800.000	19300.000	F	☑	a3) coordination requested	
		109679442			F	☑	a3) coordination requested	
		109679443			F	☑	a3) coordination requested	
		109679444			F	☑	a3) coordination requested	
		109679445			F	☑	a3) coordination requested	
		109679446			F	☑	a3) coordination requested	
		109679447	19300.000	19700.000	F	☑	a3) coordination requested	
		109679448			F	☑	a3) coordination requested	
		109679449			F	☑	a3) coordination requested	
		109679450			F	☑	a3) coordination requested	
		109679451			F	☑	a3) coordination requested	
		109679452			F	☑	a3) coordination requested	
		109679730	18800.000	19300.000	F	☑	a3) coordination requested	

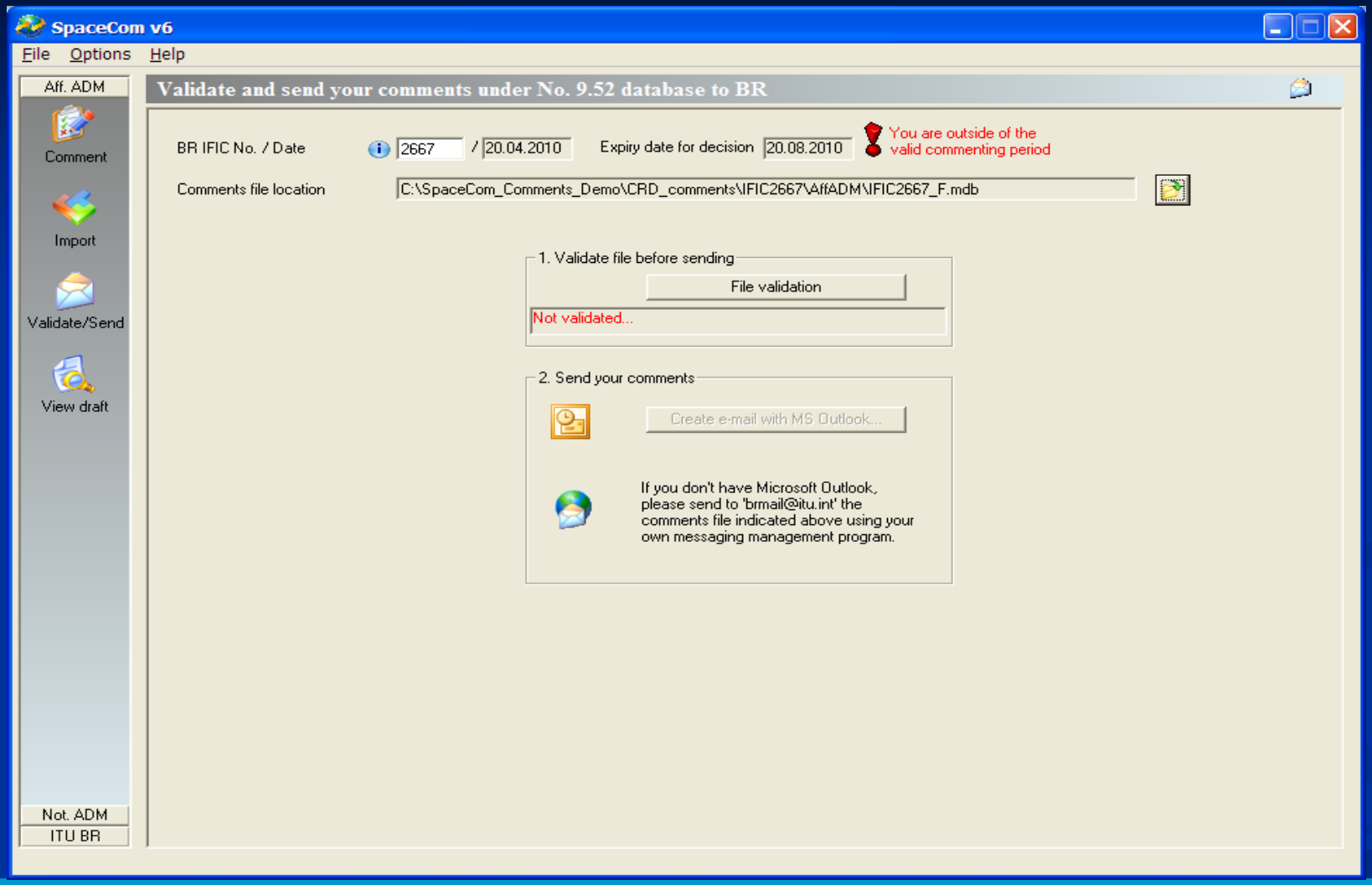
3. Click 'Check Comments completed' when you have finished with all your entries on all provisions

Apply filter | Clear filter

Select a new CR/C... | Save | Check Comments completed | Create report



Notice id.	Special section	Rev.	No.	Adm.	Org.	Satellite network	Orb.Pos.	Identified by BR under No. 9.36.1	Comments completion	Comments last update
109520309	CR/C/2530			UAE		YAHSAT-N-25.5E	25.50	F	✓	01.07.2010 14:18:33
109520315	CR/C/2531			EGY		NAVISAT-2A	21.00	F	✓	01.07.2010 14:19:05
109520316	CR/C/2532			EGY		NAVISAT-9A	14.00	F	✓	01.07.2010 14:19:55
109520317	CR/C/2533			EGY		NAVISAT-11A	28.25	F	✓	01.07.2010 14:20:20
109520318	CR/C/2534			EGY		NAVISAT-12A	35.50	F	✓	01.07.2010 14:20:45
109520319	CR/C/2535			EGY		NAVISAT-14A	44.00	F	✓	01.07.2010 14:21:08
109520324	CR/C/2540			USA		USABSN-21	-79.00		✓	01.07.2010 14:21:22
109520325	CR/C/2541			J		N-SAT-A-114.9W	-114.90	F	✓	01.07.2010 14:21:53
109520327	CR/C/2542			F	GLS	GALILEO-2	NGSO	F	✓	01.07.2010 14:22:39
109520342	CR/C/2543			UAE		YAHSAT-N-33W	-33.00	F	✓	01.07.2010 14:23:20
109520343	CR/C/2544			UAE		YAHSAT-N-45W	-45.00	F	✓	01.07.2010 14:23:39



Your validation on the current comments will be considered as valid only if it is checked as 'completed' whether you are identified or not by the BR

Potentially Affected Administration may have the possibility to
Add comments
more information
may be requested to justify your request depending on the BR examination results and type of the current provision

Confirm your addition in coordination for provisions
9.12, 9.12A, 9.13, 9.21/A, 9.21/B

frequency overlap

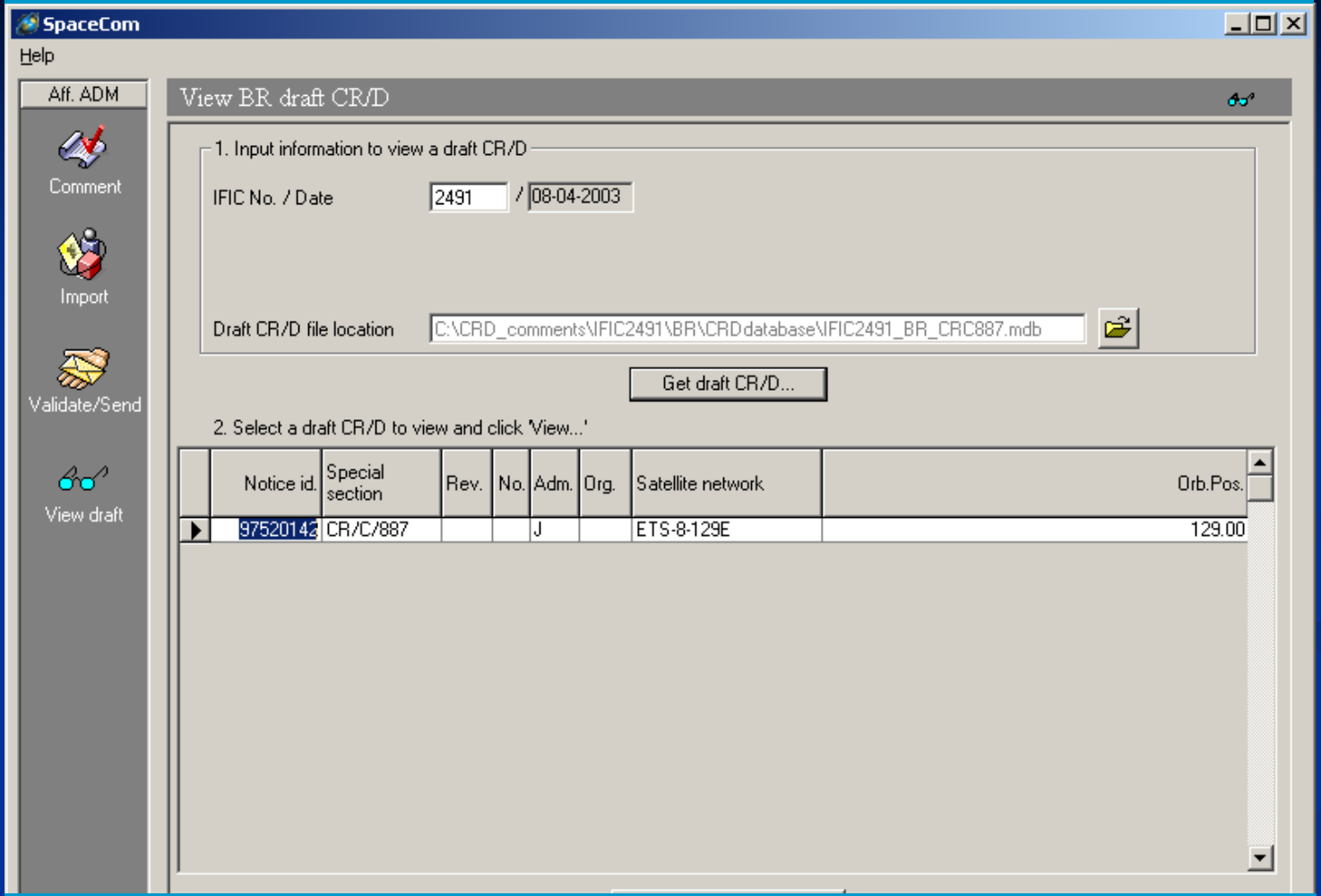
Confirm your addition in coordination for provisions
9.11, 9.14, 9.21/C, RS33 # 2.1

pfd excess

Confirm your addition for provision
9.11, 9.14, 9.21/C, RS33 # 2.1

the territory of your Adm. is visible from the satellite and the coordination is required.

View draft CR/D mdb file



The database containing the draft CR/D information can be viewed by any administration and is distributed in the BR IFIC (Space Services) CD-ROM

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CR/C information

Provision	Special Section	Adm./ntwk. org.	Satellite network	Orb. pos.
9.21/B	CR/C/887	J	ETS-8-129E	129.00

1. Select the Form of coordination to view

Form of coordination	Coordination from	Coordination with respect to
9.13	GSO	NGSO
9.14	SS	TS
9.21/A	SS	GSO
9.21/B	SS	NGSO
9.21/C	SS	TS

2. Detail of the selected provision

Beam	Emi./ Rcp.	Group	Freq. min. (MHz)	Freq. max. (MHz)	Identified by BR or added by affected Adm.	Administration comments	Remarks
DM8	E	101608188	2500.000	2535.000	D	b3) no comment received	
		101667026	2483.500	2500.000	B	a4) coordination not requested	
					D	b3) no comment received	
					F	b3) no comment received	
					MLA	b3) no comment received	
					RUS	b3) no comment received	
					USA	b3) no comment received	
		101667028			B	a4) coordination not requested	
					D	b3) no comment received	

Apply filter | Clear filter

Select a new draft CR/D...

Create report

Notifying Administration

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Draft validation
Send to
View draft

ITU BR

Validate draft CR/D received from the BR

CR/C information

Provision	Special Section	Adm./ntwk. org.	Satellite network	Orb. pos.
9.13	CR/C/2497	F	DUNIA-2	8.00

1. Select the Form of coordination to validate

Form of coordination	Coordination from	Coordination with respect to	Last update	Validation completed
9.13	GSO	NGSO		☐

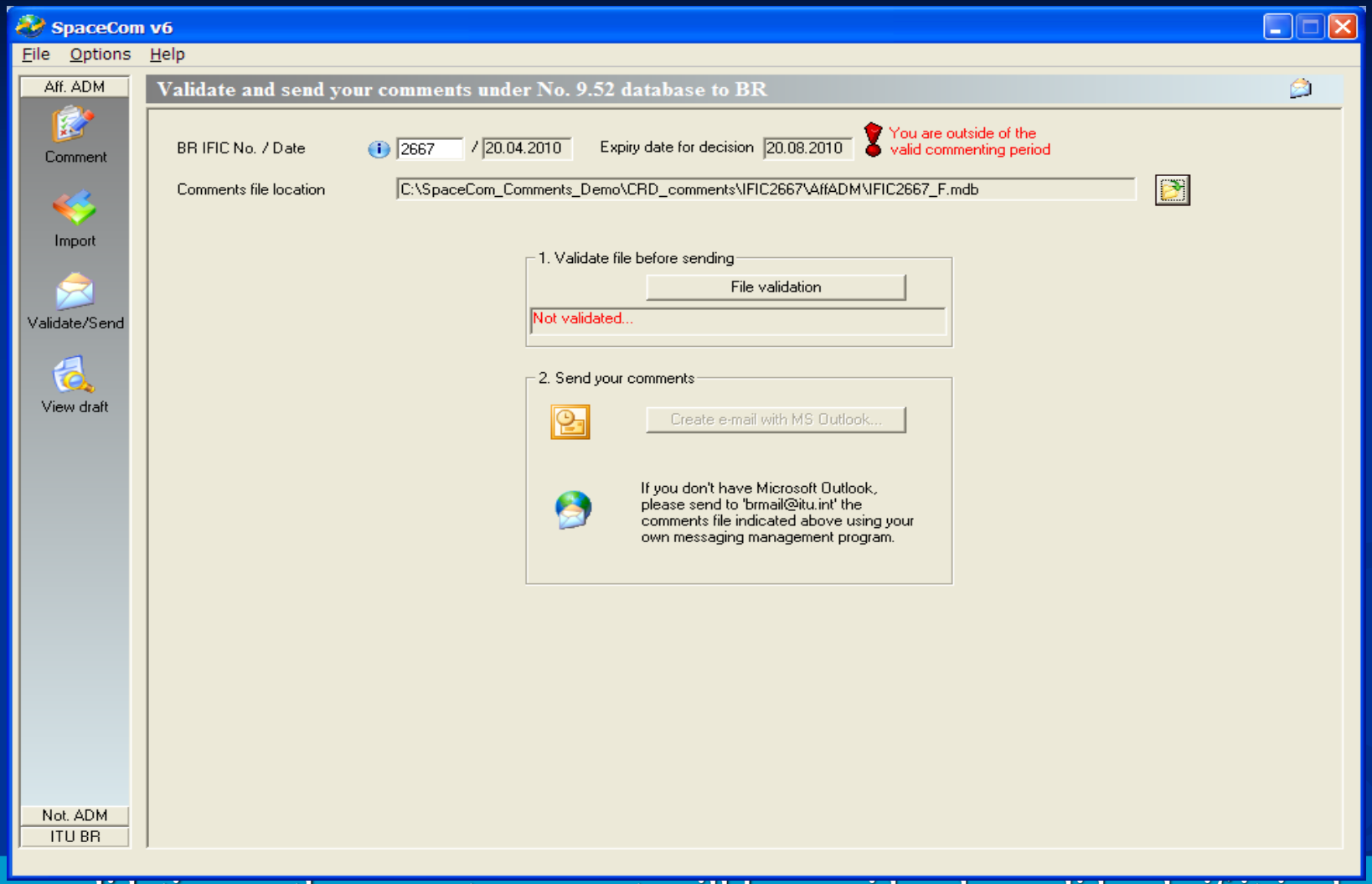
2. Enter your decision on receivability

Beam	Emi./ Rcp.	Group	Freq. min. (MHz)	Freq. max. (MHz)	Identified by BR or added by affected Adm.	Receivability of the comment	Administration comments	Remarks
EKA2	E	109661453	18800.000	19300.000	*	☐	<-- *Check to add aff. Adm.	
					G	☑	a3) coordination requested	
					USA	☑	a3) coordination requested	
		109661454			*	☐	<-- *Check to add aff. Adm.	
					G	☑	a3) coordination requested	
					USA	☑	a3) coordination requested	
		109661455			*	☐	<-- *Check to add aff. Adm.	
					G	☑	a3) coordination requested	
					USA	☑	a3) coordination requested	
		109661456			*	☐	<-- *Check to add aff. Adm.	
					G	☑	a3) coordination requested	
					USA	☑	a3) coordination requested	
		109661457			*	☐	<-- *Check to add aff. Adm.	

3. Click 'Check Validation completed' when you estimate having finished with your inputs

Apply filter | Clear filter

Select a new draft CR/D... | Save | Check Validation completed | Create report



Your validation on the current comments will be considered as valid only if it is checked as 'completed' whether you are identified or not by the BR

- **Operators should send their validated comments files directly to their Administration.<u>NOT</u> to BR**

- **All comments files should be merged into one database file before being sent to the BR by the Administration.**

Q. SpaceCom software fetches only 8 Special Sections CR/Cs instead of all 16 of that BR IFICXXYY?

A. In BRIFIC XXYY there are only 8 CR/Cs which have forms of coordination covered by SpaceCom. Other 8 CR/Cs concern 9.7.

SpaceCom cannot be used for objections or agreements concerning coordination under 9.7 and some others (all those listed in the upper half of the table on the cover page of CR/C).

When you launch SpaceCom in CR/C mode against a particular IFIC, it selects only those CR/Cs that contain forms of coordination 9.11 to 9.14 and 9.21A/B/C.

Q. Our Administration has sent its objections with SpaceCom database within 4 months dead line but it's not listed in the Table I "summary of coordination requirements" of CR/D Special section as an Administration requesting coordination. How is that possible?

A. Your comments on the current CR/C will be considered as valid only if all provisions and all networks in the same IFIC are checked as "completed" whether your Administration is identified or not by the BR.

Thank you for attention