



World Radiocommunication Seminar 2016

Comments under No.9.52 (9.7) and 9.41

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International Telecommunication Union



Publications subject to comments without SpaceCom



CR/C

Provisions:
9.7 (9.52)

AP30/E/
AP30A/E/

Provisions:
All

AP30-30A/F/C/

Provisions:
9.7
AP30#7.1
AP30A#7.1
A30#4.1.1D

AP30B/A6A

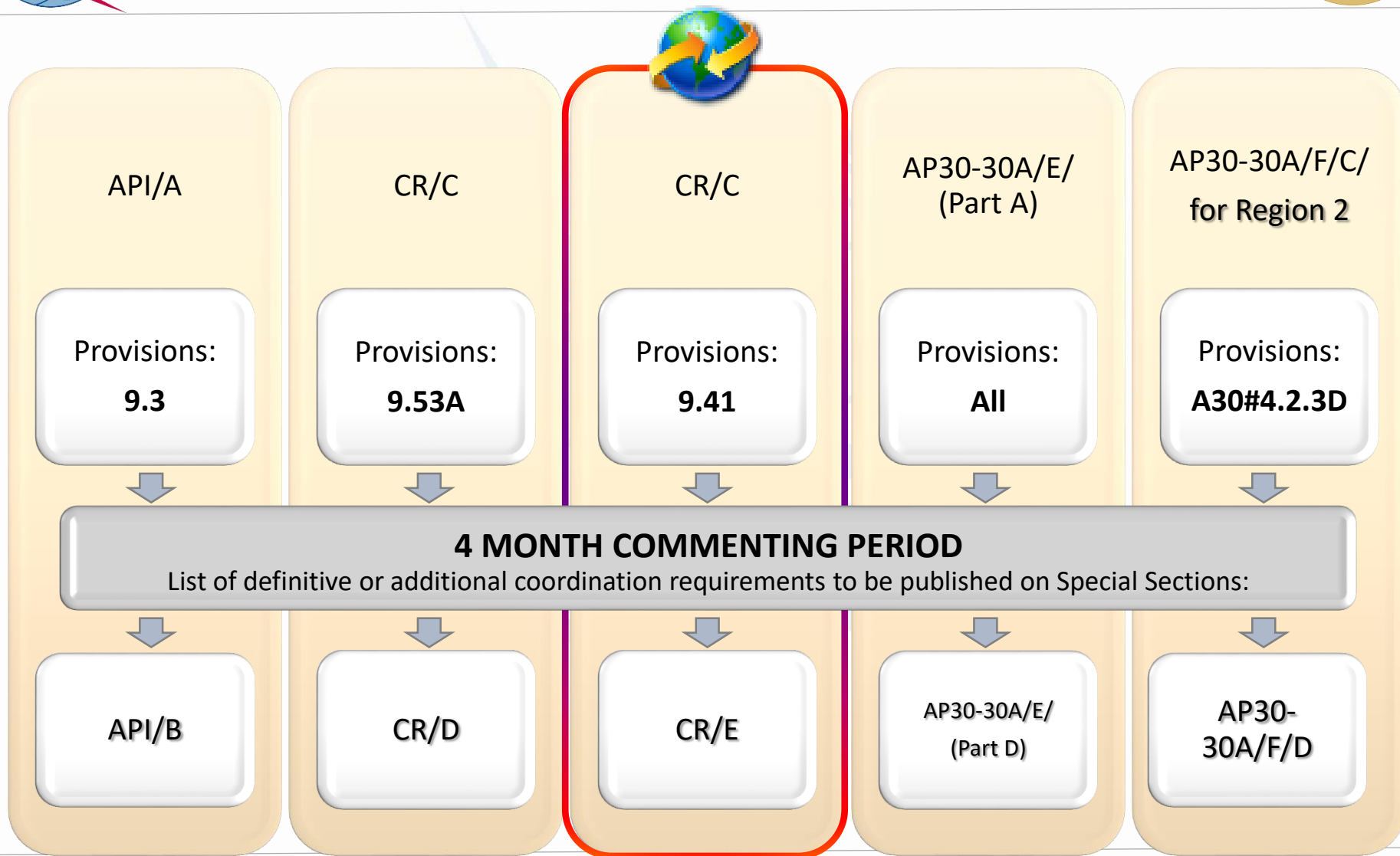
Provisions:
AP30B#6.5

4 MONTH COMMENTING PERIOD

No publication of the list of coordination requirements



Publications subject to comments with SpaceCom






Special Section CR/C

Actions of commenting administration

Coordination provision(s)		
9.11A (9.11 - 9.14) and 9.21	9.7	9.7A, 9.7B

Administration is already identified as affected and provides its disagreement

Commenting period 4 month

 9.53A SpaceCom	Letter to responsible ADM and BR
 9.53A SpaceCom	 9.41 SpaceCom

Administration wants to be added



Provision of No. 9.41



9.41 Following receipt of the BR IFIC referring to requests for coordination under Nos. 9.7 to 9.7B, an administration believing that it, or any of its satellite networks not identified under No. 9.36.2, should have been included in the request, or the initiating administration believing that an administration, or any of the satellite networks identified under No. 9.36.2 ...

shall, within four months ... request **that its name, or the name of any of its satellite networks not identified under No. 9.36.2, be included, or that the name of the identified administration, or any of its satellite networks identified under No. 9.36.2, be excluded, as appropriate. (WRC 12)**



Coordination involving GSO networks



- Enables addition of networks/administrations in to the coordination process under Nos. **9.7, 9.7A, 9.7B**
- For coordination process under No. **9.7 (9.7 |A|)**:
 - applicable in the frequency bands where coordination arc is applied
 - $\Delta T/T > 6\%$ criterion (method in Appendix 8)
 - Allows inclusion of the networks located beyond coordination arc
- Determined coordination requirements include:
 - List of additional ADMINISTRATIONS
 - List of additional NETWORKS (9.36.2)

Criteria of Applicability of No. 9.41 (Table 5-1 of Appendix 5 of RR)

TABLE 5-1 (Rev.WRC-15)

Technical conditions for coordination
(see Article 9)

AP5-4

Reference of Article 9	Case	Frequency bands (and Region) of the service for which coordination is sought	Threshold/condition	Calculation method	Remarks
No. 9.7 GSO/GSO	A station in a satellite network using the geostationary-satellite orbit (GSO), in any space radiocommunication service, in a frequency band and in a Region where this service is not subject to a Plan, in respect of any other satellite network using that orbit, in any space radiocommunication service in a frequency band and in a Region where this service is not subject to a Plan, with the exception of the coordination between earth stations operating in the opposite direction of transmission	1) 3 400-4 200 MHz 5 725-5 850 MHz (Region 1) and 5 850-6 725 MHz 7 025-7 075 MHz 2) 10.95-11.2 GHz 11.45-11.7 GHz 11.7-12.2 GHz (Region 2) 12.2-12.5 GHz (Region 3) 12.5-12.75 GHz (Regions 1 and 3) 12.7-12.75 GHz (Region 2) and 13.75-14.8 GHz	i) Bandwidth overlap, and ii) any network in the fixed-satellite service (FSS) and any associated space operation functions (see No. 1.23) with a space station within an orbital arc of $\pm 7^\circ$ of the nominal orbital position of a proposed network in the FSS i) Bandwidth overlap, and ii) any network in the FSS or broadcasting-satellite service (BSS), not subject to a Plan, and any associated space operation functions (see No. 1.23) with a space station within an orbital arc of $\pm 6^\circ$ of the nominal orbital position of a proposed network in the FSS or BSS, not subject to a Plan iii) in the band 14.5-14.8 GHz any network in the space research service (SRS) or FSS not subject to a Plan and any associated space operation functions (see No. 1.23) with a space station within an orbital arc of $\pm 6^\circ$ of the nominal orbital position of a proposed network in the SRS or FSS not subject to a Plan		With respect to the space services listed in the threshold/condition column in the frequency bands in 1), 2), 2 <i>bis</i>), 3), 4), 5), 6), 7) and 8), an administration may request, pursuant to No. 9.41, to be included in requests for coordination, indicating the networks for which the value of $\Delta T/T$ calculated by the method in § 2.2.1.2 and 3.2 of Appendix 8 exceeds 6%. When the Bureau, on request by an affected administration, studies this information pursuant to No. 9.42, the calculation method given in § 2.2.1.2 and 3.2 of Appendix 8 shall be used

			functions (see No. 1.23) with a space station within an orbital arc of $\pm 8^\circ$ of the nominal orbital position of a proposed network in the FSS		
--	--	--	---	--	--



Coordination arc under No. 9.7



FREQUENCY BANDS

3 400-4 200 MHz
5 725-5 850 MHz (Region 1)
5 850-6 725 MHz
7 025-7 075 MHz

All regions: 10.95-11.2, 11.45-11.7,
13.75-14.5 GHz
Region 1: 12.5-12.75 GHz
Region 2: 11.7-12.2, 12.7-12.75 GHz
Region 3: 12.2-12.75 GHz

18.0 – 18.3 GHz (Region 2)
18.1 – 18.4 GHz (Regions 1 and 3)

13.4 – 13.65 GHz (Region 1)
14.5 – 14.8 GHz

21.4-22 GHz

Other bands above 17.3 GHz

APPLICABLE COORDINATION ARC

Any FSS / associated Space operation (SO) within +/- 7° of a proposed network in FSS

Any FSS or BSS / associates SO within +/- 6° of a proposed FSS or BSS network

Any FSS or MetSat / associated SO within +/- 8° of a FSS or MetSat network

Any FSS or SRS within +/- 6° of a FSS or SRS network

Any BSS / associated SO within +/- 12° of a BSS network
9.41 does not apply!

Any FSS / associated SO within +/- 8° of a FSS network
Any BSS / associated SO within +/- 16° of a BSS network
Any BSS / associated SO within +/- 16° of a FSS network
& vice-versa



Quick points for verifying whether assignments are subject to No. 9.41



- Fall in the bands where coordination arc applies, except 21.4-22 GHz
- Both assignments (proposed one and existing one) are subject to coordination arc (belong to FSS or BSS or MetSat in 18 GHz)
- Both assignments are co-directional (not in opposite direction of transmission)



Review the CR/C to determine whether we can submit the comments



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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATELITE		F-SAT-N3-36W		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	CR/C/3519
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2771 / 10.06.2014
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	F	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	36 W	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	113520290
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					24.12.2013

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 N° 9.30 del Reglamento de Radiocomunicaciones, se ha examinado de conformidad con los N°s 9.35 y 9.36 y se publica de conformidad con el N° 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			
<input checked="" type="checkbox"/>	9.7		
	9.7A		
	9.7B		
<input checked="" type="checkbox"/>	AP30#7.1	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'Administration responsable et au Bureau avant la date limite indiquée ci-dessous.	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 administration and the Bureau by the deadline indicated below.
<input checked="" type="checkbox"/>	AP30A#7.1		
	RS539		
	RS33#3		
			De conformidad con los N°s 9.50-9.52 del Reglamento de Radiocomunicaciones, se solicita a las administraciones señaladas en el cuadro I a continuación que comuniquen su decisión a la administración responsable y a la Oficina antes del plazo indicado más abajo.
Type de coordination mentionné dans le Tableau II / Form of coordination referred to in Table II / Formulario de coordinación remitido al cuadro II			
<input checked="" type="checkbox"/>	9.11		
<input checked="" type="checkbox"/>	9.11A	Les Administrations, énumérées ou non-énumérées dans le Tableau II ci-après, qui n'acceptent pas la demande de coordination au titre des numéros 9.11 à 9.14, 9.21 et RS33#2.1, sont priées de communiquer leurs observations à l'Administration responsable et au Bureau avant la date limite indiquée ci-dessous. Toute Administration qui ne réagira pas au titre du numéro 9.52 avant cette date limite sera considérée comme n'étant pas défavorablement influencée et, dans les cas couverts par les numéros 9.11 à 9.14 et RS33#2.1, les dispositions des numéros 9.48 et 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.
	9.12		
	9.12A		
<input checked="" type="checkbox"/>	9.13		
<input checked="" type="checkbox"/>	9.14		
	9.21/A		
	9.21/B		
	9.21/C		
	RS33#2.1		Se invita a las administraciones, enumeradas o no en el cuadro II, que no estén de acuerdo con la solicitud de coordinación de conformidad con los N°s 9.11 a 9.14, 9.21 y RS33#2.1 que comuniquen sus observaciones a la administración responsable y a la Oficina dentro del plazo indicado más abajo. Se considerará que toda administración que no responda de conformidad con el N° 9.52 dentro del plazo señalado, no está afectada y, en el caso de los N°s 9.11 a 9.14 y RS33#2.1, se aplicarán las disposiciones de los N°s 9.48 y 9.49

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

10.10.2014

CR/C Publication Table:

Summary of coordination requirements

Tableau I / Table I / Cuadro I / 表一 / Таблица I / الجدول I			
Disposition / Provision / Disposición / 条款 / Положение / الحكم	Résumé des conditions régissant la coordination 协调要求概述	Summary of coordination requirements Сводные потребности в координации	Resumen de los requisitos de coordinación موجز بمتطلبات التنسيق
X 9.7	ARM, ARS/ARB, AUS, B, BUL, CAN, CHN, CLM, CTI/RAS, CYP, D, E, F/EUT, G, GRC, HOL, I, INS, ISR, J, KOR, LUX, MLA, MNG, NOR, NRU, PAK, PNG, QAT, RUS/IK, RUS, S, SNG, TUR, UAE, UKR, USA		
9.7A			
9.7B			
X AP30#7.1	AND, B, BFA, CPV, E, G, GMB, GNB, GUI, IRL, ISL, ISR, LBR, LUX, MTN, NGR, POR, SEN, SMR, SRL, TGO, UAE, USA		
X AP30A#7.1	B, CHN, CPV, E, G, GMB, GUI, HOL, IND, IRL, ISL, ISR, KOR, LAO, LUX, PNG, RUS/IK, SEN, SMR, SRL, UAE, USA		
RS539			
RS33#3			

- Administration of IRQ is not identified as affected, but the questions remain:
 - If there are assignments in the proposed networks subject to the coordination arc?
 - Are the networks of IRQ are affected?



Checking with CR/C



CR/C Publication Table:

I. Coordination requirements at group level

Administrations identifiées au titre du N° 9.7 par : 根据第9.7款识别的主管部门:				Administrations identified under No. 9.7 by : Администрации, идентифицированные согласно п. 9.7:						Administraciones identificadas según N.º 9.7 por : الإدارات المحددة وفقاً للرقم 7.9 بموجب:						
B1a Beam designation	B2 Emi-Rcp	BR7a Group id.	GHZ	Delta T/T Delta T/T			Delta T/T Дельта T/T			Delta T/T T/T دلتا			Arc de coordination 协调弧	Coordination Arc Дуга координации	Arco de coordinación قوس التنسيق	
		113738203	42	HOL	LUX	NOR	S					E	ISR	LUX	MLA	UAE
		113738204	42	HOL	LUX	NOR	S					E	ISR	LUX	MLA	UAE
USR	R	113738198	1	ARS/ARB ISR RUS	B J S	CAN KOR TUR	CHN LUX UAE	CYP MLA	G	HOL	TNS					
		113738199	1	ARS/ARB J S	B KOR TUR	CAN LUX UAE	CHN MLA	CY NO								
		113738200	1	ARS/ARB J S	B KOR TUR	CAN LUX UAE	CHN MLA	CY NOR	PAK	QAT	RUS					
B1R	E	113738083	12									CHN	E	G	HOL	I
		113738084	12									ISR	LUX	PNG	RUS	SNG
		113738085	12									ISR	LUX	PNG	RUS	SNG
		113738086	12									ISR	LUX	PNG	RUS	SNG
		113738087	12									ISR	LUX	PNG	RUS	SNG
		113738088										ISR	LUX	PNG	RUS	SNG
		113738089										ISR	LUX	PNG	RUS	SNG
		113738090										ISR	LUX	PNG	RUS	SNG

Indicates that affected assignments are both subject and NOT subject to CA

Indicates that affected assignments are NOT subject to CA

Indicates that:
 1. Proposed assignment is subject to CA
 2. Affected assignments are subject to CA



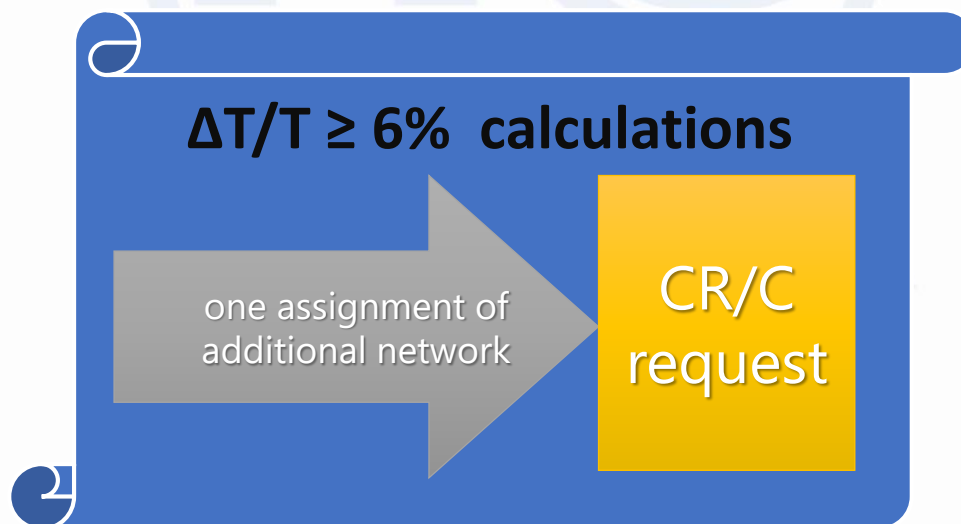
- Proposed assignment would not serve a basis for including additional network under No. 9.41 in situations where*:
 - This assignment is operating in service and in frequency band for which coordination arc does not apply
 - This assignment is operating in service and in frequency band for which coordination arc applies, however, there are other services could be operating in this band (such as MSS) for which coordination arc does not apply or services operating in opposite direction.
In this case $\Delta T/T$ criteria is already used to establish coordination requirements under No. 9.41

*In exceptional cases of the potential mistake in CR/C publication, if administration finds that any of its satellite networks not identified under No. **9.36.2** by the Bureau using $\Delta T/T$ criteria, should have been included in the CR/C, it may still request its inclusion under No. 9.41.

- Appendix 8 method is used calculate $\Delta T/T$
- Example calculations are provided in any electronic format (text files, Excel/Word documents etc.)
- GIBC AP8 could be used to obtain the results

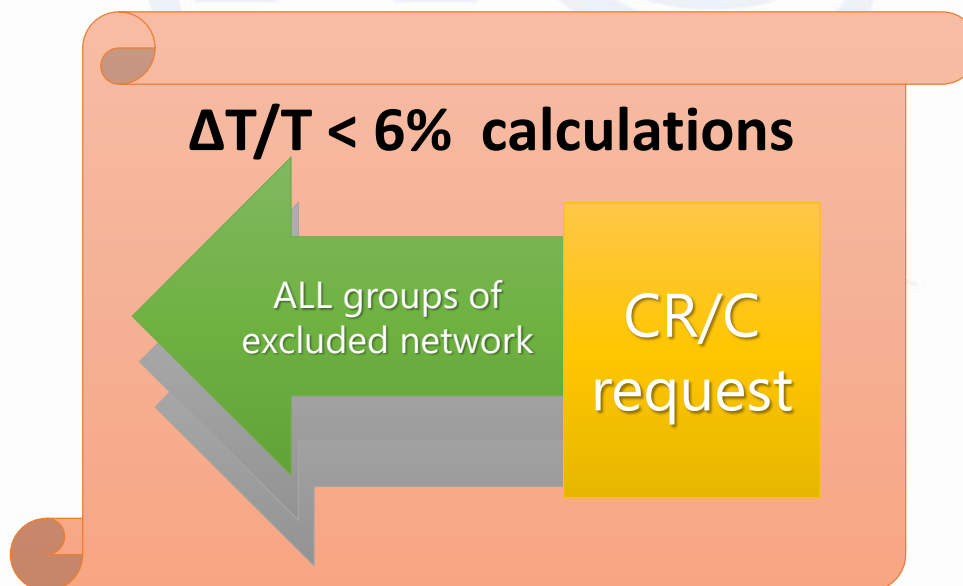
- Rule of procedure:

“...an administration wishing to be added in a coordination request under 9.41 to provide $\Delta T/T \geq 6\%$ calculations for only one pair of assignments for each satellite network to be further considered in the coordination process”



● Rule of procedure:

“The same information, i.e. $\Delta T/T > 6\%$ calculations for all groups of assignments of involved satellite networks, shall be submitted by an administration believing that an administration or any of its satellite networks identified under No. 9.36.2 should not have been included under No. 9.36 in the coordination request of its own satellite network”





Technical reason for inclusion/exclusion under 9.7A and 9.7B



- These provisions are covering coordination between GSO Earth Stations and non-geostationary satellite networks
- Addition/exclusion under No. 9.41 is based on:
 - Before only using frequency overlap
 - With EPFD Validation Software verification of Equivalent Power Flux Densities levels produced by Non-GSOs



- CR/E Special Section is the publication containing an information on the status of the comments submitted under No. **9.41**



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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE	JUPITER-1C		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	CR/E/629	
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA	---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2771 / 10.06.2014	
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	CYP	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	55.5 E	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	113520196

X	9.41/9.7	1. La présente Section spéciale est publiée conformément au numéro 9.42 du Règlement des radiocommunications, en ce qui concerne la demande de coordination publiée dans la Section spéciale CR/C citée en référence au bas de cette page.	1. This Special Section is published in accordance with No. 9.42 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 el número 9.42 del Reglamento de Radiocomunicaciones al respecto de la solicitud de coordinación publicada en la Sección Especial CR/C indicada al final de esta página.
	9.41/9.7A	2. Les administrations qui ont soumis des observations au titre du numéro 9.41 dans les quatre mois qui ont suivi la publication des Sections spéciales susmentionnées, en ce qui concerne la forme de la coordination indiquée dans la colonne de gauche par un X dans la case appropriée, sont énumérées dans le Tableau 1 ci après.	2. Administrations that have submitted comments under No.9.41 within four months of the date of publication of the mentioned CR/C Special Sections, with respect to the form of coordination indicated in the left-hand column by an X in the relevant box, are listed in Table-I, below.	2. Las Administraciones que han presentado comentarios con arreglo al número 9.41 en el plazo de cuatro meses a partir de la fecha de publicación de la mencionada Sección Especial CR/C, con respecto al formulario de coordinación indicado en la columna izquierda introduciendo una X en la casilla correspondiente, se indican en el Cuadro-I, que aparece más adelante.
	9.41/9.7B			

RÉFÉRENCE DE LA SECTION SPÉCIALE (BR IFIC / DATE) SPECIAL SECTION REFERENCE (BR IFIC / DATE) REFERENCIA DE LA SECCIÓN ESPECIAL (BR IFIC / FECHA)	CR/C/3437 (BR IFIC 2760 / 07.01.2014)
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Tableau I / Table I / Cuadro I / 表一 / Таблица I / الجدول I

Disposition / Provision / Disposición / 条款 / Положение / الحكم		Administrations incluses dans le processus de coordination.	Administration included in the coordination process	Administraciones incluidas en el procedimiento de coordinación
		协调过程中包括的主管部门	Администрации, включенные в процесс координации	الإدارات التي تشملها عملية التنسيق
X	9.41 / 9.7	EGY, G, PAK, RUS, UAE, USA		
	9.41 / 9.7A			
	9.41 / 9.7B			



OBSERVATIONS DU BUREAU DES RADIOCOMMUNICATIONS	RADIOCOMMUNICATION BUREAU COMMENTS	OBSERVACIONES DE LA OFICINA DE RADIOCOMUNICACIONES
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Relatives aux dispositions

- La disposition 9.7 s'applique à toutes les assignations de fréquence.

La/les administration(s) suivante(s) a/ont soumis une demande en vue de son/leur inclusion dans le processus de coordination au titre du numéro **9.41**.

Relating to provisions

- Provision 9.7 applies to all frequency assignments.

The following administration(s) submitted request for inclusion in the coordination request under No. **9.41**.

Relativas a las disposiciones

- La disposición 9.7 se aplica a todas las asignaciones de frecuencia.

Las siguientes administraciones presentaron solicitud de inclusión en la petición de coordinación con arreglo al número **9.41**.

EGY, G, PAK, RUS, UAE, USA

Les observations de la/des administration(s) suivante(s) ne sont pas valables pour le/les réseau(x) indiqué(s) ci-après étant donné que n'y figuraient pas les calculs de $\Delta T/T$.

The comments from the following Administration(s) are not valid for the network(s) indicated below since it did not include $\Delta T/T$ calculations.

Los comentarios de las siguientes administraciones no son válidos para las redes indicadas a continuación porque no incluyen los cálculos de $\Delta T/T$.

Les observations de la/des administration(s) suivante(s) concernant le/les réseau(x) indiqué(s) ci-après ne sont pas valables étant donné que ce/ces réseau(x) n'existe(nt) plus ou que $\Delta T/T$ est inférieur à 6%:

The comments from the following administration(s) are not valid for the network(s) indicated below since this/these network(s) no longer exist(s) or $\Delta T/T < 6\%$:

Los comentarios de las siguientes administraciones no son válidos para las redes indicadas a continuación ya que esas redes ya no existen o $\Delta T/T < 6\%$:



I. Nécessité d'une coordination au niveau du groupe

一、需要在组的层次进行的协调

I. Coordination requirements at group level

И. Потребности в координации на уровне группы

I. Requisitos de coordinación a nivel de grupo

إ. متطلبات التنسيق على مستوى المجموعة

Administrations identifiées au titre du N° 9.41/9.7 par : 根据第9.41/9.7款识别的主管部门:				Administrations identified under No. 9.41/9.7 by : Администрации, идентифицированные согласно п. 9.41/9.7:				Administraciones identificadas según N.° 9.41/9.7 por : الإدارات المحددة وفقاً للرقم 7.9/41.9 بموجب:				
B1a Beam designation	B2 Emi-Rcp	BR7a Group id.	GHz	Delta T/T Delta T/T				Delta T/T Дельта T/T				
				T/T				دلّتا T/T				
CU	R	113682446	5	EGY	G	PAK	UAE					
		113682447	5	EGY	G	PAK	UAE					
		113682448	5	EGY	G	PAK	UAE					
KAAU	R	113682449	27	EGY	G	UAE						
		113682450	27									
		113682451	27	EGY	G	UAE						
		113682452	27	EGY	G	UAE						
		113682464	27									
		113682465	27									
		113682466	27									
		113682467	27									
		113691858	28	EGY	G	UAE						
		113691859	29	EGY	G	UAE						
		113691860	27	EGY	G	UAE						
		113691861	28	EGY	G	UAE						
		113691862	29	EGY	G	UAE						
		113691863	28	EGY	G	UAE						
113691864	29	EGY	G	UAE								
113691865	28	EGY	G	UAE								
113691866	29	EGY	G	UAE								
KABU	R	113682453	24	UAE								
KAMU	R	113682454	30	EGY	UAE	USA						
		113682455	30	EGY	UAE	USA						
		113682456	30	EGY	UAE	USA						
		113682457	30	EGY	UAE	USA						
KUU1	R	113682458	13	EGY	PAK	UAE						
		113682459	13	EGY	PAK	UAE						
		113682460	13	EGY	PAK	UAE						
KUU2	R	113682461	14	EGY	PAK	UAE						
		113682462	14	EGY	PAK	UAE						
		113682463	14	EGY	PAK	UAE						
CD	E	113682426	3	EGY	G	PAK	RUS	UAE				
		113682427	3	EGY	G	PAK	RUS	UAE				
KAAD	E	113682428	17	EGY	UAE							
		113682429	17	EGY	UAE							
		113682430	17	EGY	UAE							
KACD	E	113682431	17	EGY	G	UAE	USA					
		113682432	17	EGY	G	UAE						
		113682433	17	EGY	G	UAE						

II. Liste des réseaux à satellite 二、卫星网络清单

II. List of satellite networks II. Список спутниковых сетей

II. Lista de redes de satélite

II. قائمة بالشبكات الساتلية

Liste des réseaux à satellite pour lesquels Delta T/T est supérieur à 6% mais qui ne sont PAS dans l'arc de coordination (au titre du N° 9.7)

List of satellite networks for which Delta T/T > 6% but are NOT within the coordination arc (under No. 9.7)

Lista de redes de satélites para las cuales $\Delta T/T > 6\%$ pero NO se encuentran dentro del arco de coordinación (según N.º 9.7)

Delta T/T > 6%但并不属于协调弧范围的卫星网络清单 (依据 9.7)

Перечень спутниковых сетей, для которых Delta T/T > 6%, однако НЕ находится в пределах координационной дуги (согласно № 9.7)

قائمة الشبكات الساتلية التي تكون فيها النسبة $\Delta T/T < 6\%$ ولكنها ليست ضمن قوس التنسيق (موجب الرقم 7.9)

A1f1 Notifying adm.	A1f3 Inter. sat. org.	A1a Sat. Network	A4a1 Orbital long.	BR3b Category of notif.	BR25 A/T	BR6a Id. no.	BR26 Causing interference	BR27 Receiving interference
EGY		NAVISAT-11A	28.25 E	C	A	109520317	C	R
		NAVISAT-12A	35.5 E	C	A	109520318	C	R
		NAVISAT-14A	44 E	C	A	109520319	C	R
		NAVISAT-2A	21 E	C	A	109520315	C	R
		NAVISAT-7A	1 E	C	A	110520449	C	
		NAVISAT-9A	14 E	C	A	109520316	C	R
G		INMARSAT GSO-2H	65 E	C	A	97520331	C	R
		INMARSAT GSO-2H	65 E	N	A	106500143	C	R
		INMARSAT GSO-2N	64 E	C	A	102520123	C	R
		INMARSAT GSO-2N	64 E	N	A	109500230	C	R
		INMARSAT-2 IOR 1	64.5 E	C	A	90500545	C	R
		INMARSAT-2 IOR 1	64.5 E	N	A	92500070	C	R
		INMARSAT-3 IOR-1	64 E	C	A	90998014	C	R
		INMARSAT-3 IOR-1	64 E	N	A	96500418	C	R
		INMARSAT-4A 64E	64 E	C	A	107520299	C	R
		UKSAT-21	67 E	C	A	111520037	C	R
PAK		PAKSAT-1	38 E	C	A	95520324	C	R
		PAKSAT-1	38 E	N	A	106500372	C	R
		PAKSAT-1R	38 E	C	A	104520327	C	R
		PAKSAT-1R	38 E	N	A	110500363	C	R
		PAKSAT-1R1	38 E	C	A	109520006	C	
		PAKSAT-1R1	38 E	N	A	111500072	C	
RUS		RSS-VSD-71E	71 E	C	A	111520516		R
UAE		EMARSAT-1F	44 E	C	A	96520083	C	R
		EMARSAT-1F	44 E	N	A	106500419	C	R
		EMARSAT-1F/M	44 E	C	A	102520004	C	R
		EMARSAT-1F/M	44 E	N	A	110500260	C	R
		EMARSAT-4F	44 E	C	A	105520117	C	R
		EMARSAT-4F	44 E	N	A	111500142	C	R
		EMARSAT-4S	98.5 E	C	A	104520007	C	
		EMARSAT-4S	98.5 E	N	A	108501071	C	
		EMARSAT-7F	44 E	C	A	109520157	C	R

1

CR/C Publication

2

Administrations have 4 months to submit comments prepared using **SpaceCom**

3

Examination by the Bureau

4

CR/E Publication

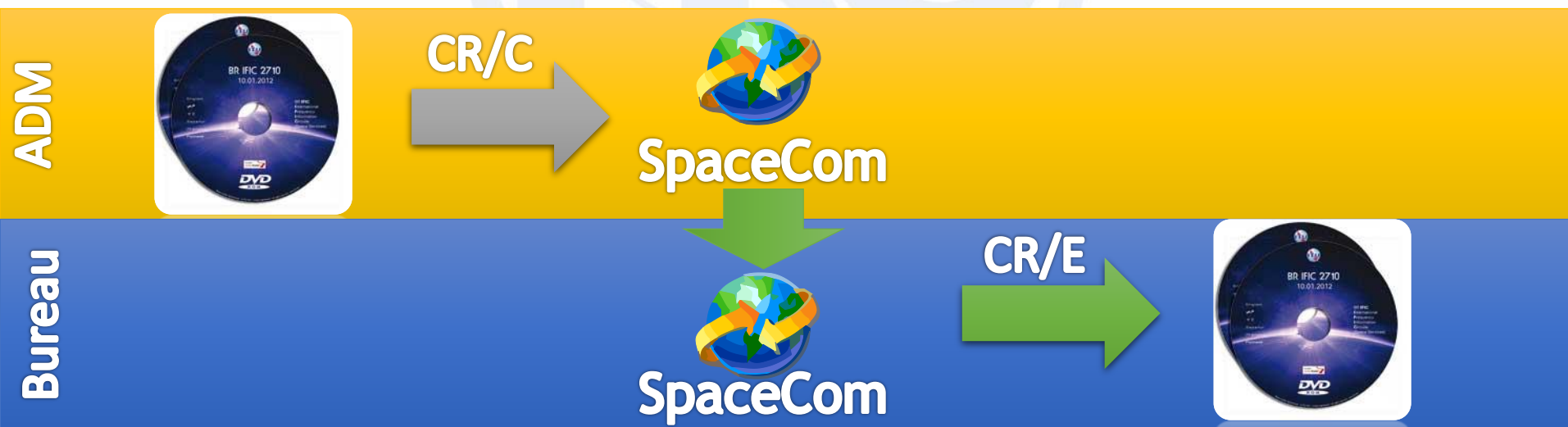


CR/E Publication



Request Received within 4 months	Coordination Arc Applies (or correction of CR/C is requested)	DT/T Sample Provided	DT/T > 6%	Action
N	-	-	-	Not include
Y	N	-	-	Not include
Y	Y	N	-	Not include
Y	Y	Y	N	Not include
Y	Y	Y	Y	Include

- Assists administrations and BR in the management of the comments on CR/C
- Main instrument – IFIC, containing CR/C Special Section





SpaceCom Comments on CR/C for the publication of CR/E

EXERCISES



Exercise setup



Locate SpaceCom 9.41 exercise files on handout USB stick:

[USB drive]:\Space_Workshops_(14-16-Dec)\11-SpaceCom\03 CRC 9.41\

Locate demo IFIC data required for exercises on handout USB stick:

[USB drive]:\Space_Workshops_(14-16-Dec)\11-SpaceCom\03 CRC 9.41\

Install SpaceCom v8

From BR IFIC (Space Services) DVD-ROM or USB stick:

[USB drive]:\BRIFIC-2834\Space\BR_Soft_v8_beta\SpaceCom\Setup.exe
or

<http://www.itu.int/ITU-R/go/space-software-capture-system-for-comments-on-special-sections/en>

Install SpaceCom DEMO

[USB drive]:\Space_Workshops_(14-16-Dec)\11-SpaceCom\06
SpaceCom Demo Application\Install_SpaceComDemo.exe

or

<http://www.itu.int/ITU-R/go/space-software-capture-system-for-comments-on-special-sections/en>



An example of technical examination using GIBC



Gibc SNS V7 - Graphical Interface for Batch Calculations

Appendix 30B | Appendix 30 30A | EPFD | Power Control | Tools / Options
Appendix 8 | PFD (terrestrial serv.) | PFD (space serv.) | Appendix 7

Start **3**

Network: 116520120 **1**

Examination Data
Ap8 Case I/II: Case I&II | Findings Level: Group
 Use Polarization | Output Level: Level 1

Existing
 Check Against Existing | Administration ID: EGY **2**
Transaction ID: | Sat. Network Symbol: |

Date
 Date | Year - Month - Day | 1990 | 01 | 01

Files Path
C:\BR_TEX_RESULTS\AP8\116520120
Open Folder

EXIT Help



$\Delta T/T$ calculation results



- **By default, are stored in the folder:**
 - C:\BR_TEX_RESULTS\AP8\[ntc_id]\[timestamp]
 - Where [ntc_id] network number
- **Two files:**
 - APP8_OPT.LST
 - NTW_OPT.LST



$\Delta T/T$ calculation results



NTW_OPT.LST the list of networks for information only which could be included under No. 9.41

```
EGY ;      EGJAN3A ;      2.00W;  A ;      C;114.520080;C;R;  
EGY ;      NAVISAT-7A ;    1.00E;  A ;      C;110.520449; ;R;
```

'C' – causing
This network is causing interference

'R' – receiving
This network is receiving interference

Other symbols:
'A' – network is located within coordination arc



ΔT/T calculation results



- **AP8_OPT.LST** contains calculation results which could be used for submitting comments under 9.41

EXI UP-LINK IS AFFECTED		OPTIONAL EXAMINATION						DT/TS =	10.23 %
I S IND	GSAT-NS (83E)	83.00E	0.10	0.10	14.020000	G	40000 K	12.05.16	C116.520120/116.677803/0001
KRR	EC EC	M	34.00 DB						
57K0G7W--		15.60 DBW	-31.10 DBW/HZ	-31.95 DBW/HZ	(TOT. BW)		2D:12.05.16		
E S EGY	NAVISAT-11A	28.25E	0.05	0.05	14.250000	G	500000 K	15.12.09	C109.520317/109.680035/0001
KU1R	EC EC	M	33.00 DB	33.00 DB			725 K	DT/TS =	10.23 %
36M0G7W--		39.50 DBW	-36.00 DBW/HZ	-36.06 DBW/HZ	(TOT. BW)		2D:15.12.09		
I E IND	TYPICAL-KU0.75			028E3926	05N2513	REC-580-6	38.90 DB	-5.30 DB	



Exercise No. 1

adding networks under No. 9.41



Task:

take a role of ADM of EGY and prepare SpaceCom comments file for submission to BR.

*Your analysis shows that two networks **GIBSAT-G14-2** and **GSAT-NS(83E)** which are outside coordination arc of EGY networks are exceeding $dT/T > 6\%$.*

For example calculations see the files:



[USB drive]:\Space_Workshops_(14-16-Dec)\11-SpaceCom\03 CRC 9.41\GIBSAT-G14-2.pdf

[USB drive]:\Space_Workshops_(14-16-Dec)\11-SpaceCom\03 CRC 9.41\GSAT-NS_83E.pdf

1. Open SpaceCom demo software. Go to **c:\Br_soft\SpaceCom_v8** and run **SpaceComDemo.exe**
2. Press Start and then click 9.41 Request
3. Select administration code **EGY**.
4. Select **“Potentially affected administration (commenting on CR/C)”**
5. In ‘Comment’:
 - Input BR IFIC number: 2836
 - Open the BR IFIC database from folder:
[USB drive]:\Space_Workshops_(14-16-Dec)\11-SpaceCom\05 IFIC_Data\ific2836.mdb
 - Input your comments correspondingly.
 - Check “comments completed” for the rest CR/Cs.
6. In ‘Validate/Send’:
 - enter BR IFIC 2836
 - enter the comments file location **c:\SpaceCom_Comments_Demo\CRE_comments\IFIC27836\AffADM\CRE-IFIC2836_EGY.mdb**
 - Enter the attachments with calculations


Your comments are ready and could be submitted to the Bureau.

SpaceCom Template Selection





1

API/A	Manage comments for the publication of API/B Special Sections
CR/C	Manage comments for the publication of CR/D Special Sections
9.41 Request	Manage comments for the publication of CR/E Special Sections
AP30-30A/E Part A	Manage comments for the publication of Article 4 AP30-30A/E Part D Special Sections related to Region 2
AP30-30A/F/C	Manage comments for the publication of Article 2A AP30-30A/F/D Special Sections related to Region 2

Show this screen each time you launch SpaceCom 


Login

Enter your Administration code / network org.

 /  **2**

Who are you ?


Potentially affected Administration (Commenting on a CR/C)

Operator 

Notifying Administration (Commenting on an CR/C)

Pursuant to No. 9.41, any administration that is of the view that it should have been included in the request for coordination shall, within 4 months of the date of publication of the BR IFIC, request that its name be included and inform the notifying administration and the Bureau accordingly; in so doing, it shall provide a list of the satellite networks for which it is requesting coordination, along with the technical reasons.

A copy of the comments is to be sent by e-mail to the Bureau at the following address: bmail@itu.int.



Potentially affected administration wishes its name to be included in coordination process

SpaceCom v8

File Options Help

Aff. ADM

Comment

Import

Validate/Send

Not. ADM
ITU BR

Potentially affected Administration's comments under No. 9.41

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

BR IFIC No. **1** 2836 / 1/10/2017 Expiry date for decision 5/10/2017

BR IFIC database C:\BR_Seminar\WRS-16\03 CRC 941\ific2836.mdb **2**

Administration code / network org. EGY /

Comments file location C:\SpaceCom_Comments_Demo\CRE_comments\IFIC2836\AffADM\CRE-IFIC2836_EGY.mdb

Get list of CR/C(s)... **3**

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

Notice id.	Special section	Rev.	No.	Adm.	Org.	Satellite network	Earth station	Orb.Pos.	Comments completion	Comments last update
116520118	CR/C/4088			G		GIBSAT-G14-2	4	-129.00	✘	
116520119	CR/C/4089			IND		GSAT-NS(74E)		74.00	✘	
116520120	CR/C/4090			IND		GSAT-NS(83E)		83.00	✘	
116520121	CR/C/4091			IND		GSAT-NS(93.5E)		93.50	✘	
116520141	CR/C/4095			QAT		QATARSAT-G4-0.9E		0.90	✘	
116520136	CR/C/4097			QAT		QATARSAT-G4-19.7E		19.70	✘	
116520142	CR/C/4098			QAT		QATARSAT-G4-20E		20.00	✘	
116520137	CR/C/4099			QAT		QATARSAT-G4-23.3E		23.30	✘	
116520138	CR/C/4100			QAT		QATARSAT-G4-25.9E		25.90	✘	
116520139	CR/C/4101			QAT		QATARSAT-G4-28E		28.00	✘	
116520140	CR/C/4102			QAT		QATARSAT-G4-30.7E		30.70	✘	
116520143	CR/C/4103			QAT		QATARSAT-G4-73.5E		73.50	✘	
116520144	CR/C/4104			QAT		QATARSAT-G4-77.5E		77.50	✘	

Comment CR/C... **5** Create report

SpaceCom v8

File Options Help

Aff. ADM

Comment

Import

Validate/Send

Not. ADM
ITU BR

Potentially affected Administration's comments under No. 9.41

CR/C information

Provision	Special Section	Adm./ntwk. org.	Satellite network	Orb. pos.	Comments NOT completed <input type="checkbox"/>
9.7A A ; 9.7A FI ; 9.7B FI	CR/C/4088	G	GIBSAT-G14-2	-129.00	

1. Enter your comments by filling the relevant boxes

Satellite name	Delta T/T or Other calc.	9.7 A	9.7A FI	Adm. comments
*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Earth station name	Delta T/T or Other calc.	9.7B FI	Adm. comments
*	<input type="checkbox"/>	<input type="checkbox"/>	

Remark:

2. Click 'Check Comments completed' when you have finished with all your entries

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

Do not include the calculation results into the remarks. Attachments could be referred there

Delta T/T or other calculation has to be attached to the request, otherwise the request will be rejected !



Addition of the networks



SpaceCom v8

File Options Help

Aff. ADM

Comment

Import

Validate/Send

Not. ADM
ITU BR

Potentially affected Administration's comments under No. 9.41

CR/C information

Provision: 9.7A|; 9.7A|F|; 9.7B|F| Special Section: CR/C/4088 Adm./ntwk. org: G Satellite network: GIBSAT-G14-2 Orb. pos.: -129.00

Comments completed

11/30/2016

1. Enter your comments by filling the relevant boxes

Satellite name	Delta T/T or Other calc.	9.7 A	9.7A F	Adm. comments
EGJAN1A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	wants to be added
NAVISAT-11A	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	wants to be added
*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Earth station name	Delta T/T or Other calc.	9.7B F	Adm. comments
*	<input type="checkbox"/>	<input type="checkbox"/>	

Remark:

! Delta T/T or other calculation has to be attached to the request, otherwise the request will be rejected !

2. Click 'Check Comments completed' when you have finished with all your entries

Select a new CR/C... **1** Save Check Comments completed Create report

SpaceCom v8

File Options Help

Aff. ADM

Comment

Import

Validate/Send

Not. ADM
ITU BR

Potentially affected Administration's comments under No. 9.41

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

BR IFIC No. / Date / Expiry date for decision ⚠ BR IFIC not yet published

BR IFIC database

Administration code / network org. /

Comments file location

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

	Notice id.	Special section	Rev.	No.	Adm.	Org.	Satellite network	Earth station	Orb.Pos.	Comments completion	Comments last update
	116520115	CR/C/4088			G		GIBSAT-G14-2		-129.00	✓	11/30/2016 3:34:37 PM
	116520119	CR/C/4089			IND		GSAT-NS(74E)		74.00	✗	
▶	116520120	CR/C/4090			IND		GSAT-NS(83E) 1		83.00	✗	
	116520121	CR/C/4091			IND		GSAT-NS(93.5E)		93.50	✗	
	116520141	CR/C/4095			QAT		QATARSAT-G4-0.95		0.90	✗	
	116520136	CR/C/4097			QAT		QATARSAT-G4-0.95		19.70	✗	
	116520142	CR/C/4098			QAT		QATARSAT-G4-0.95		20.00	✗	
	116520137	CR/C/4099			QAT		QATARSAT-G4-0.95		22.20	✗	
	116520138	CR/C/4100			QA						
	116520139	CR/C/4101			QA						
	116520140	CR/C/4102			QA						
	116520143	CR/C/4103			QA						
	116520144	CR/C/4104			QA						

Repeat for other network

⚠ Your comments in the current BR IFIC are not valid please check all CR/C 's as completed

2

SpaceCom v8

File Options Help

Aff. ADM

Potentially affected Administration's comments under No. 9.41

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

BR IFIC No. / Date / Expiry date for decision BR IFIC not yet published

BR IFIC database

Administration code / network org. /

Comments file location

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

	Notice id.	Special section	Rev.	No.	Adm.	Org.	Satellite network	Earth station	Orb.Pos.	Comments completion	Comments last update
	116520115	CR/C/4088			G		GIBSAT-G14-2		-129.00		10/2016 3:34:37 PM
	116520119	CR/C/4089			IND		GSAT-NS(74E)		74.00		
▶	116520120	CR/C/4090			IND		GSAT-NS(83E)		83.00		10/2016 3:37:16 PM
	116520121	CR/C/4091			IND		GSAT-NS(93.5E)		93.50		
	116520141	CR/C/4095			QAT		QATARSAT-G4-0.9E		0.90		
	116520136	CR/C/4097			QAT		QATARSAT-G4-19.7E		19.70		
	116520142	CR/C/4098			QAT		QATARSAT-G4-20E				
	116520137	CR/C/4099			QAT		QATARSAT-G4-23.3E				
	116520138	CR/C/4100			QAT						
	116520139	CR/C/4101			QAT						
	116520140	CR/C/4102			QAT						
	116520143	CR/C/4103			QAT						
	116520144	CR/C/4104			QAT						

Important!
Click to autocomplete (no comments) for all the other CR/Cs

Your comments in the current BR IFIC are not valid please check all CR/C 's as completed

Not. ADM
ITU BR



Now we can validate



SpaceCom v8

File Options Help

Aff. ADM

Comment

Import

Validate/Send

1

Potentially affected Administration's comments under No. 9.41

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

BR IFIC No. / Date / Expiry date for decision BR IFIC not yet published

BR IFIC database

Administration code / network org. /

Comments file location

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

	Notice id.	Special section	Rev.	No.	Adm.	Org.	Satellite network	Earth station	Orb.Pos.	Comments completion	Comments last update
	116520115	CR/C/4088			G		GIBSAT-G14-2		-129.00	✓	11/30/2016 3:34:37 PM
	116520119	CR/C/4089			IND		GSAT-NS(74E)		74.00	✓	11/30/2016 3:38:20 PM
▶	116520120	CR/C/4090			IND		GSAT-NS(83E)		83.00	✓	11/30/2016 3:37:16 PM
	116520121	CR/C/4091			IND		GSAT-NS(93.5E)		93.50	✓	11/30/2016 3:38:20 PM
	116520141	CR/C/4095			QAT		QATARSAT-G4-0.9E		0.90	✓	11/30/2016 3:38:20 PM
	116520136	CR/C/4097			QAT		QATARSAT-G4-19.7E		19.70	✓	11/30/2016 3:38:20 PM
	116520142	CR/C/4098			QAT		QATARSAT-G4-20E		20.00	✓	11/30/2016 3:38:20 PM
	116520137	CR/C/4099			QAT		QATARSAT-G4-23.3E		23.30	✓	11/30/2016 3:38:20 PM
	116520138	CR/C/4100			QAT		QATARSAT-G4-25.9E		25.90	✓	11/30/2016 3:38:20 PM
	116520139	CR/C/4101			QAT		QATARSAT-G4-28E		28.00	✓	11/30/2016 3:38:20 PM
	116520140	CR/C/4102			QAT		QATARSAT-G4-30.7E		30.70	✓	11/30/2016 3:38:20 PM
	116520143	CR/C/4103			QAT		QATARSAT-G4-73.5E		73.50	✓	11/30/2016 3:38:20 PM
	116520144	CR/C/4104			QAT		QATARSAT-G4-77.5E		77.50	✓	11/30/2016 3:38:20 PM

Not. ADM
ITU BR



...validate...



SpaceCom v8

File Options Help

Aff. ADM

Comment

Import

Validate/Send

Not. ADM
ITU BR

Validate and send your comments under No. 9.41 database to BR

BR IFIC No. / Date **1** / Expiry date for decision You are outside of the valid commenting period

File location **2**

1. Validate file before sending

3

Validation OK

2. Attachment(s)

4

3. Send your comments

5

If you don't have Microsoft Outlook, please send to 'brmail@itu.int' the comments file indicated above using your own messaging management program.

Don't forget to attach Delta T/T or other calculation to the request. Otherwise the request will be rejected.



Exercise No. 2

coordination under No. 9.7A and 9.7B



This exercise is created using fictitious network with aim of demonstrating possible comments capture.

Task:

Take a role of ADM of G (for 9.7B commenting) and CAN (for 9.7A commenting) and prepare SpaceCom comments file for submission to BR.

1. Open SpaceCom demo software, press Start and then click 9.41
2. Select administration code **G for 9.7B comments and CAN for 9.7A comments.**
3. Select **“Potentially affected administration (commenting on CR/C)”**
4. In ‘Comment’:
 - Input BR IFIC number: 2836
 - Connect to the BR IFIC database from folder:
[USB drive]:\Space_Workshops_(14-16-Dec)\11-SpaceCom\05 IFIC_Data\ific2836.mdb
 - Input your comments correspondingly.
 - Check “comments completed” for the rest CR/Cs.
6. In ‘Validate/Send’:
 - enter BR IFIC 2836
 - enter the comments file location:
for 9.7B c:\SpaceCom_Comments_Demo\CRE_comments\IFIC2836\AffADM\CRE-IFIC2836_G.mdb
for 9.7A c:\SpaceCom_Comments_Demo\CRE_comments\IFIC2836\AffADM\CRE-IFIC2836_CAN.mdb
 - Enter the attachments with calculations

Your comments are ready and could be submitted to the Bureau.

SpaceCom v8

File Options Help

Aff. ADM

Comment

Import

Validate/Send

Not. ADM
ITU BR

Potentially affected Administration's comments under No. 9.41

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

BR IFIC No. / Date **1** 2836 / 1/10/2017 Expiry date for decision 5/10/2017 **BR IFIC not yet published**

BR IFIC database C:\BR_Seminar\WRS-16\03 CRC 941\ific2836.mdb **2**

Administration code / network org. G /

Comments file location

Get list of CR/C(s)... **3**

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

Notice id	Special section	Rev.	No.	Adm.	Org.	Satellite network	Earth station	Orb.Pos.	Comments completion	Comments last update
116520119	CR/C/4089			IND		GSAT-NS(74E)		74.00	✘	
116520120	CR/C/4090			IND		GSAT-NS(83E)		83.00	✘	
116520121	CR/C/4091			IND		GSAT-NS(93.5E)		93.50	✘	
116520141	CR/C/4095			QAT		QATARSAT-G4-0.9E		0.90	✘	
116520136	CR/C/4097			QAT		QATARSAT-G4-19.7E		19.70	✘	
116520142	CR/C/4098			QAT		QATARSAT-G4-20E		20.00	✘	
116520137	CR/C/4099			QAT		QATARSAT-G4-23.3E		23.30	✘	
116520138	CR/C/4100			QAT		QATARSAT-G4-25.9E		25.90	✘	
116520139	CR/C/4101			QAT		QATARSAT-G4-28E		28.00	✘	
116520140	CR/C/4102			QAT		QATARSAT-G4-30.7E		30.70	✘	
116520143	CR/C/4103			QAT		QATARSAT-G4-73.5E		73.50	✘	
116520144	CR/C/4104			QAT		QATARSAT-G4-77.3E		77.30	✘	
117505001	CR/C/9997			AUS		SOME-NON-GEO	ES-NON-GEO	121.00	✘	
117505002	CR/C/9998			E		NONGSO-V8		NGSO	✘	

4

Comment CR/C... Create report

⚠ Your comments in the current BR IFIC are not valid please check all CR/C 's as completed

SpaceCom v8

File Options Help

Aff. ADM

Potentially affected Administration's comments under No. 9.41

CR/C information

Provision	Special Section	Adm./ntwk. org.	Satellite network	Orb. pos.	Comments NOT completed <input type="checkbox"/>
9.7IAI; 9.7AIFI; 9.7BIFI	CR/C/9998	E	NONGSO-V8	NGSO	11/30/2016

1. Enter your comments by filling the relevant boxes

Satellite name	Delta T/T or other calc.	9.7IAI	9.7AIFI	Adm. comments
*	<p>In this case we are adding Earth Station having frequency overlap with the new non-GSO network</p>			

Earth station name	Delta T/T or other calc.	9.7B IFI	Adm. comments
MENWITH HILL-A2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	wants to be added
MENWITH HILL-E1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	wants to be added
*	<input type="checkbox"/>	<input type="checkbox"/>	

Remark:

2

3 Delta T/T or other calculation has to be attached to the request, otherwise the request will be rejected!

2. Click 'Check Comments completed' when you have finished with all your entries

4 Select a new CR/C... Save Check Comments completed **3** Create report

Not. ADM
ITU BR

SpaceCom v8

File Options Help

Aff. ADM

Potentially affected Administration's comments under No. 9.41

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

BR IFIC No. / Date **1** 2836 / 1/10/2017 Expiry date for decision 5/10/2017

BR IFIC database C:\BR_Seminar\WRS-16\03 CRC 941\ific2836.mdb **2**

Administration code / network org. G /

Comments file location

Get list of CR/C(s)... **3**

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

Notice id	Special section	Rev.	No.	Adm.	Org.	Satellite network	Earth station	Orb.Pos.	Comments completion	Comments last update
116520119	CR/C/4089			IND		GSAT-NS(74E)		74.00	✘	
116520120	CR/C/4090			IND		GSAT-NS(83E)		83.00	✘	
116520121	CR/C/4091			IND		GSAT-NS(93.5E)		93.50	✘	
116520141	CR/C/4095			QAT		QATARSAT-G4-0.9E		0.90	✘	
116520136	CR/C/4097			QAT		QATARSAT-G4-19.7E		19.70	✘	
116520142	CR/C/4098			QAT		QATARSAT-G4-20E		20.00	✘	
116520137	CR/C/4099			QAT		QATARSAT-G4-23.3E		23.30	✘	
116520138	CR/C/4100			QAT		QATARSAT-G4-25.9E		25.90	✘	
116520139	CR/C/4101			QAT		QATARSAT-G4-28E		28.00	✘	
116520140	CR/C/4102			QAT		QATARSAT-G4-30.7E		30.70	✘	
116520143	CR/C/4103			QAT		QATARSAT-G4-73.3E		73.30	✘	
116520144	CR/C/4104			QAT		QATARSAT-G4-77.5E		77.50	✘	
117505001	CR/C/9997			AUS		SOME-NON-GEO	ES-NON-GEO	121.00	✘	
117505002	CR/C/9998					NONGSO-V8		NGSO	✘	

Comment CR/C... **4** Create report



Addition of potentially affected Non-GSO system under 9.7A



SpaceCom v8

File Options Help

Aff. ADM

Comment

Import

Validate/Send

Potentially affected Administration's comments under No. 9.41

CR/C information

Provision	Special Section	Adm./ntwk. org.	Earth station	Orb. pos.	Comments NOT completed <input type="checkbox"/>
9.7A : 9.7A FI: 9.7B FI	CR/C/9997	AUS	ES-NON-GEO		11/30/2016

1. Enter your comments by filling the relevant boxes

Satellite name	Delta T/T or Other calc.	9.7 A	9.7A FI	Adm. comments
CANPOL-2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
COMMSTELLATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Adding Non-GSO system having frequency overlap with the new Large earth station

Earth station name	Delta T/T or Other calc.	9.7B FI	Adm. comments
*	<input type="checkbox"/>	<input type="checkbox"/>	

Remark:

2

Delta T/T or other calculation has to be attached to the request, otherwise the request will be rejected!

3

4

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

Not. ADM
ITU BR



Questions?



Accompanying document

Document WRS16/14 - *Application of No. 9.41*

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