



Non-Planned Space Services (Coordination and Notification Procedures – an Over View)

RADIOCOMMUNICATION BUREAU
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Contents

Three stage procedure - A, C and N

Articles related to C and N procedures

Use of Rules of Procedure

Examination of Coordination Request

CR/C, CR/F, CR/D and CR/E

Recording in MIFR

Resolution 49 and Resolution 552

BR Actions at the end Regulatory Time Limit

One of the Main Purpose of RR is Interference-free operation

Mechanisms (Allocation, Limits,
Licensing , Monitoring)

- **Planned use**
- **Coordinated Use → FCFS (subject to some restrictions) and Obligatory Negotiations**

Coordination Approach

Submit
(No priority
No
Examination)
Publish for
information
Start of
Regulatory
Time Limit

API

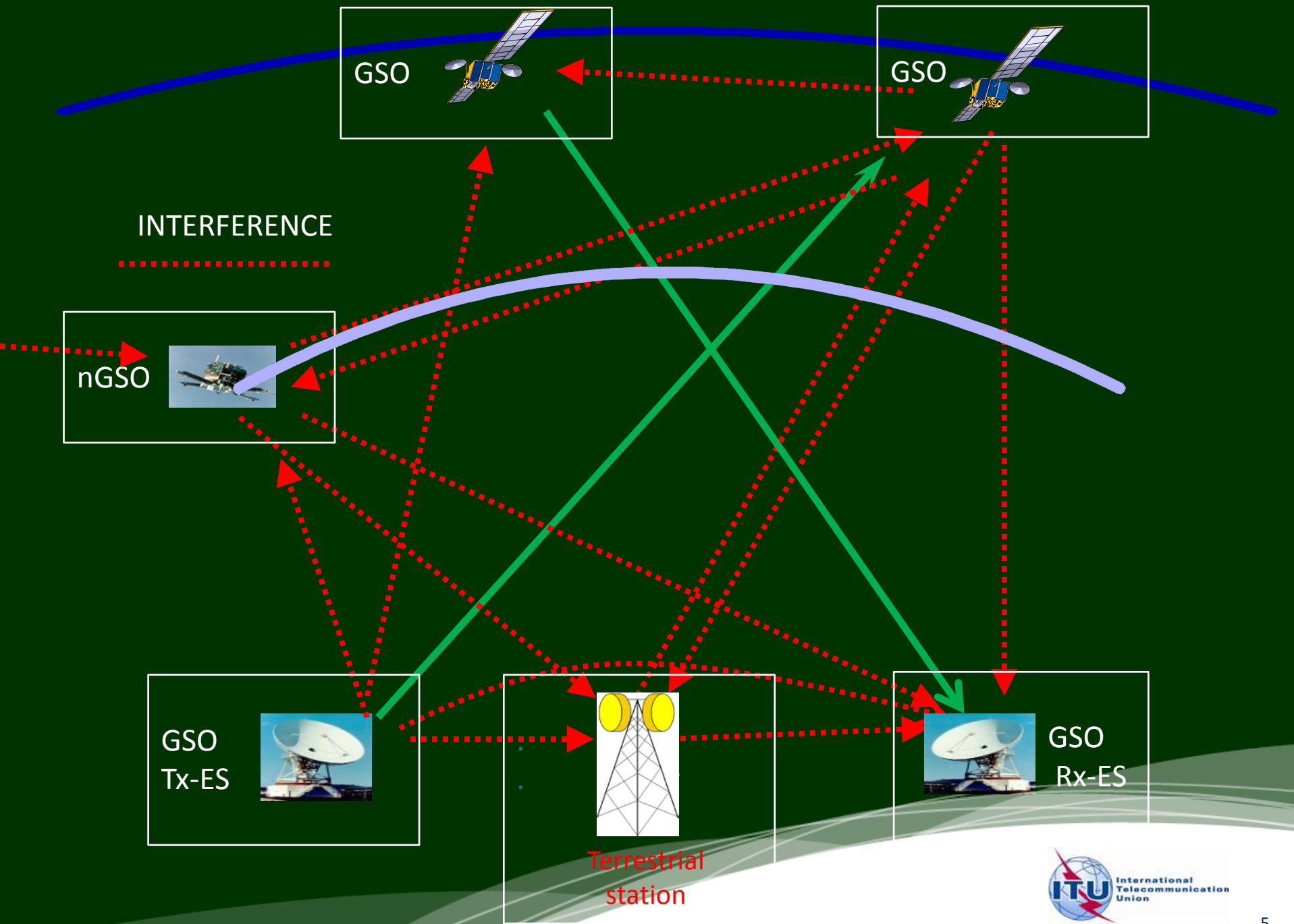
Submit
(Priority
subject to
Res2,
No.9.53), **Coordination
Request**
Examin,
Identify
Admin/ NW
Publish,
coordinate

Notification/DD
Within Time
Limits, Agreed/
Coordinated,
Finding
Favorable,
Record
**International
Recognition/
protection**

2 years

5 years

MIFR



A,C,N Procedures

ARTICLE 9: Coordination/Agreement

- **Contains, almost, all cases (forms) of coordination for GSO/Non-GSO, ES and TS**
- Not contained in Article 9
- (1) Non-Planned and Planned assignments
(see Art 7 of AP30 and AP30A)
- (2) BSS sound in the 2.6 GHz with respect to TS
(See Res 539)

ARTICLE 11: Notification

Submission, Examination and Recording in MIFR

Due Diligence: Res. 49, Res. 552

API- Section I of Article 9

- **Sub-section-1A: API for satellite systems Not Subject to Coordination** under Section II of Article 9 Coordination envisaged without the need for coordination publication - Ref to API/B/ publication for list of administrations
- **Sub-section-1B: API for satellite systems Subject to Coordination** under Section II of Article 9

Forms of Coordination

No.9.6: Before BiU or Notify in cases below shall effect coordination (No.9.27/AP 5 -Table 5-1)

9.7 → GSO to GSO

9.7A → {Certain ES} ES to NGSO (Art.22)

9.7B → {certain NGSO} nGSO to ES (Art 22)

9.11/RS539 → BSS to TS

9.11A(9.12,9.12A,9.13,9.14) → nGSO vs nGSO, GSO, TS;
GSO vs NGSO, TS

9.21 (Agreement) → FN to ToFA

AP30, 30A → Art 7 of AP30, 30A

FN refers Nos.9.11A – 9.14 or 9.21

No.9.11A to 9.14 (Coordination under No.11.36)

5.208 The use of the band 137-138 MHz by the **mobile-satellite service** is subject to coordination under No. 9.11A.

Refer to RoP Table 9.11A-1; other space services to which 9.11A applies (SO/MetSat/SR)

No.9.21 (Agreement under No.11.31)

5.286 The band 449.75-450.25 MHz may be used for the **space operation service (Earth-to-space)** and the **space research service (Earth-to-space)**, subject to agreement obtained under No. 9.21

No.9.35 Examination

**No.9.35- ToFA and Other provisions Listed in RoP
under No.11.31**

**Favourable and Unfavourable groups of
frequency assignments are split**

Findings: Favorbale A- Unvaorable N-

Category: S if applicable

Groups with findings N- are not examined further

No.9.36 Examination

Coordination Requirement for groups with “A –”

❖ Establish forms of coordination

*9.7, 9.7A, 9.7B, 9.11, RS33, 9.11A, 9.12, 9.12A, 9.13, 9.14,
9.21/A, 9.21/B, 9.21/C, Ap30/Art.7, Ap30A/Art.7, RS539*

❖ Use software for further examination

- **Identifies administrations (Table 5-1)** for various forms of coordination; and
- **Identifies list of satellite networks**

Methods, Thresholds, conditions

TABLE 5-1 (WRC-12)
 Technical conditions for coordination
 (see Article 9)



Ap 5 Table 5-1: Forms of coordination, Frequency bands, thresholds/conditions: and

Ap 5 Table 5-2: Methods to determine need Coordination between MSS and TS (1-3GHz)

TABLE 5-1 (WRC-12)
 Technical conditions for coordination
 (see Article 9)

Reference of Article 9	Case	Frequency bands (and Region) of the service for which coordination is sought	Technical conditions	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 13.75-14.5 GHz	1) Bandwidth overlap, and 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 $\pm 8^\circ$ of the nominal orbital position of a proposed network in the FSS 2) Bandwidth overlap, and 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 $\pm 7^\circ$ of the nominal orbital position of a proposed network in the FSS or BSS, not subject to a Plan		With respect to the space services listed in the threshold/condition column in the bands in 1), 2), 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

CR/C, CR/F Special Sections

BR publishes summary of coordination requirements at network level (p1-4) and comments under No.9.35/ 9.36:

RADIOCOMMUNICATION BUREAU COMMENTS

Relating to the Findings with respect to No.11.31

For frequency assignments in the 12.5-12.7 GHz band:

UNFAVOURABLE for all frequency assignments in transmitting space station beams ETH and ETV with maximum power density greater than or equal to -55.8 dBW/Hz (p.f.d. limits of No. 21.16 are exceeded)

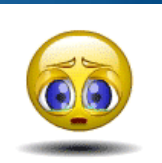
UNFAVOURABLE for frequency assignment 12.5 GHz in transmitting space station beam UPC (out-of-band).

FAVOURABLE for all other frequency assignments

Relating to the coordination with respect to No.9.36

- **Administrations under all Forms of Coordination**
- **Potentially Affected Administrations for some (9.36.1) for information only**
- **List of Satellite networks (9.36.2)**

Relating to Provisions – **Details of provisions applicable to the bands**



CR/C Special Section



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		DRN-M		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º		CR/C/1880 MOD-5	
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA		2716 / 03.04.2012	
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE		US		LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL		5 E	
				NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN		111520395 / 106520148	
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL						08.11.2011	

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° 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.

X 9.7		Form of coordination referred to in Table I / Forma de coordinación mencionada en el cuadro I	
9.7A			
9.7B			
AP30#7.1			
AP30A#7.1			
RS539			
RS33#3			
Type de coordination mentionné dans le Tableau II / Form of coordination referred to in Table II / Formulario de coordinación remitido al cuadro II			
X 9.11			
9.11A			
9.12			
9.12A			
X 9.13			
9.14			
9.21/A			
9.21/B			
9.21/C			
RS33#2.1			

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

03.08.2012

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

Disposition / Provision / Disposición / 條款 / Положение / الحكم	Résumé des conditions régissant la coordination	Summary of coordination requirements	Resumen de los requisitos de coordinación
	协调要求概述	Сводные потребности в координации	موجز متطلبات التنسيق
X 9.7	ARS, AZE, BGD, CHN, CYP, F, G, GRC, HOL, IND, INS, J, KAZ, KOR, LUX, MCO, MLA, NOR, PAK, PNG, QAT, RUS/IK, S, SNG, THA, TUR, UAE		
9.7A			
9.7B			
AP30#7.1			
AP30A#7.1			
RS539			
RS33#3			

Tableau II / Table II / Cuadro II / 表二 / Таблица II / II الجدول II

Disposition / Provision / Disposición / 條款 / Положение / الحكم	Administrations susceptibles d'être défavorablement influencées (à titre d'information uniquement, voir numéro 9.36.1)	Potentially affected administrations (for information only, see No. 9.36.1)	Administraciones posiblemente afectadas (sólo para información, véase el N° 9.36.1)
	可能受影响的主管部门(仅供参考, 见第 9.36.1 款)	Потенциально затронуемые администрации (исключительно для информации, см. п. 9.36.1)	إدارات يحتمل أن تتأثر متأثراً غير موات (انظر الرقم 1.36.9، على سبيل الإطلاع فقط)
9.11			
X 9.11A			
9.12			
9.12A			
X 9.13	AUS, CAN, CHN, D, E, F/GLS, F, G, IND, LUX, USA		
X 9.14	ALB, BIH, BLR, BUL, CAF, CHN*, CME, CYP, CZE*, EGY*, EST, FIN*, FSM, GEO, GRC, HNG, HRV*, I, ISR*, J, KAZ, LBN, LBY, LTU, LVA, MDA*, MHL, MKD, MNE, NGR, NIC, NOR, POL, ROU, SRB*, SVK*, SYR, TCD, TUR*, UKR*, USA/WAK		
9.21/A ¹			
9.21/B ¹			
9.21/C ¹			
RS33#2.1			

*Les Administrations énumérées disposent d'une assignation aux services de Terre avec chevauchement inscrite dans le Fichier de référence international des Fréquences.

*The listed Administrations have an overlapping terrestrial assignment recorded in the MIFR.

*Las administraciones enumeradas tienen una asignación terrenal superpuesta inscrita en el Registro Internacional de Frecuencias.

*列表中的主管部门与频率登记总表中记录的陆地指配重叠

*Перечисленные выше администрации имеют присвоение наземным станциям с перекрытием, записанным в Международном справочном регистре частот.

*توفر لإدارات المعقدة تردد مخصص لخدمات الأرض متراكب ومسجل في السجل الأساسي الدولي للترددات.

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 and 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, 9.21/B و 9.21/C – بموجب الرقم 21.9، إدارات لها شبكات مستقرة بالنسبة إلى الأرض وشبكات غير مستقرة بالنسبة إلى الأرض ومحطات للأرض على التوالي.

OBSERVATIONS DU BUREAU DES RADIOCOMMUNICATIONS	RADIOCOMMUNICATION BUREAU COMMENTS	OBSERVACIONES DE LA OFICINA DE RADIOCOMUNICACIONES
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Relatives à la Conclusion conformément au N° 11.31

Faisceau fixe IC1, assignations de fréquence dans la bande 3 400 – 4 200 MHz avec une densité maximale de puissance =-50,6 dBW/Hz et une valeur maximale de la puissance en crête ≥-2,5 dBW

DEFAVORABLE

Les limites de puissance surfacique prescrites au numéro 21.16 sont dépassées.

Faisceau fixe IC2, assignations de fréquence dans la bande 7 252 – 7 732 MHz avec une densité maximale de puissance =-50,6 dBW/Hz et une valeur maximale de la puissance en crête ≥-2,5 dBW

DEFAVORABLE

Les limites de puissance surfacique prescrites au numéro 21.16 sont dépassées.

Faisceau fixe IC2, assignations de fréquence 7 712 et 7 735 MHz avec une densité maximale de puissance =-50,6 dBW/Hz et une valeur maximale de la puissance en crête =9,4 dBW

DEFAVORABLE

Les limites de puissance surfacique prescrites au numéro 21.16 sont dépassées.

Relating to the Findings with respect to No. 11.31

Fixed beam IC1, frequency assignments in the 3 400 – 4 200 MHz band with maximum power density =-50.6 dBW/Hz and maximum peak power ≥-2.5 dBW

UNFAVOURABLE

The power flux density limits specified in No. 21.16 are exceeded.

Fixed beam IC2, frequency assignments in the 7 252 – 7 732 MHz band with maximum power density =-50.6 dBW/Hz and maximum peak power ≥-2.5 dBW

UNFAVOURABLE

The power flux density limits specified in No. 21.16 are exceeded.

Fixed beam IC2, frequency assignments 7 712 and 7 735 MHz with maximum power density =-50.6 dBW/Hz and maximum peak power =9.4 dBW

UNFAVOURABLE

The power flux density limits specified in No. 21.16 are exceeded.

Relativas a la Conclusión según N.º 11.31

Haz fijo IC1, asignaciones de frecuencia en la banda 3 400 – 4 200 MHz con una densidad máxima de potencia =-50,6 dBW/Hz y un valor máximo de la potencia de cresta ≥-2,5 dBW

DEFAVORABLE

Se han rebasado los límites de densidad de flujo de potencia especificados en el número 21.16.

Haz fijo IC2, asignaciones de frecuencia en la banda 7 252 – 7 732 MHz con una densidad máxima de potencia =-50,6 dBW/Hz y un valor máximo de la potencia de cresta ≥-2,5 dBW

DEFAVORABLE

Se han rebasado los límites de densidad de flujo de potencia especificados en el número 21.16.

Haz fijo IC2, asignaciones de frecuencia 7 712 y 7 735 MHz con una densidad máxima de potencia =-50,6 dBW/Hz y un valor máximo de la potencia de cresta =9,4 dBW

DEFAVORABLE

Se han rebasado los límites de densidad de flujo de potencia especificados en el número 21.16.

Relatives à l'examen conformément au N° 9.36

Relating to the examination with respect to No. 9.36

Relativas al examen según N.º 9.36

Voir les pages 3-4 pour le résumé. Pour plus de détails, voir les pages qui suivent.

See pages 3-4 for the summary. Details are provided on pages that follow.

Véanse las páginas 3-4 para el resumen. Se indican los detalles en las páginas siguientes.

关于根据第 9.36 款的审查

Относительно экспертизы по п. 9.36

المعلقة بالفحص وفقاً للرقم 36.9

见第 3-4 页的概述。详细情况见以下各页。

Сводные данные см. на стр. 3-4. Подробная информация приводится на следующих страницах.

انظر الصفحتين 3-4 للاطلاع على الملخص. وللمزيد من التفاصيل انظر الصفحات التالية.

I. Nécessité d'une coordination au niveau du groupe

I. Coordination requirements at group level

I. Requisitos de coordinación a nivel de grupo

一、需要在组的层次进行的协调

I. Потребности в координации на уровне группы

I. متطلبات التنسيق على مستوى المجموعة

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 دلتا T/T	Arc de coordination 协调弧	Coordination Arc Дуга координации	Arco de coordinación قوس التنسيق		
CMD	R	109606134	14				ARS/ARB AZE BLR/IK CHN CYP CZE D F/EUT F G HOL IND IRN KAZ LUX MCO MLA NIG PAK RUS THA TUR UAE				
		109606135	14				ARS/ARB AZE BLR/IK CHN CYP CZE D F/EUT F G HOL IND IRN KAZ LUX MCO MLA NIG PAK RUS THA TUR UAE				
		109606136	14				ARS/ARB AZE BLR/IK CHN CYP CZE D F/EUT F G HOL IND IRN KAZ LUX MCO MLA NIG PAK RUS THA TUR UAE				
		109606137	6				ARS/ARB ARS AZE BLR/IK CHN CYP D HOL IND KAZ LUX MCO MLA PAK RUS SEY THA TUR UAE USA				

CR/C/2384

B1a Beam designation	B2 Emi-Rcp	BR7a Group id.	GHz	Administrations identifiées au titre du AP30#7.1 识别主管部门的依据是 AP30#7.1	Administrations identified under AP30#7.1 Администрации, идентифицированные согласно AP30#7.1	Administraciones identificadas según AP30#7.1 إدارات محددة بموجب AP30#7.1
KT3R	E	109606220	12	ARS/ARB BLR/IK F/EUT G	MAU MCO MDA POL RUS TKM UAE	
		109606221	12	ARS/ARB BLR/IK F/EUT G	MAU MCO MDA POL RUS TKM UAE	
		109606222	12	ARS/ARB BLR/IK F/EUT G	MAU MCO MDA POL RUS TKM UAE	
		109606223	12	ARS/ARB BLR/IK F/EUT G	MAU MCO MDA POL RUS TKM UAE	
		109606224	12	ARS/ARB BLR/IK F/EUT G	MAU MCO MDA POL RUS TKM UAE	
		109606225	12	ARS/ARB BLR/IK F/EUT G	MAU MCO MDA POL RUS TKM UAE	
		109606226	12	ARS/ARB BLR/IK F/EUT G	MAU MCO MDA POL RUS TKM UAE	
		109606227	12	ARS/ARB BLR/IK F/EUT G	MAU MCO MDA POL RUS TKM UAE	
		109606228	12	ARS/ARB BLR/IK F/EUT G	MAU MCO MDA POL RUS TKM UAE	
		109606229	12	ARS/ARB BLR/IK F/EUT G	MAU MCO MDA POL RUS TKM UAE	
		109606230	12	ARS/ARB BLR/IK F/EUT G	MAU MCO MDA POL RUS TKM UAE	
		109606231	12	BLR/IK G	TKM	
		109606232	12	BLR/IK G	TKM	
		109606233	12	BLR/IK G	TKM	
		109606234	12	BLR/IK G		
		109606235	12	BLR/IK G		
109606236	12	BLR/IK G				
109606237	12	BLR/IK G				
KT4R	E	109606238	12			
		109606239	12			
		109606240	12			

B1a Beam designation	B2 Emi-Rcp	BR7a Group id.	GHz	Administrations identifiées au titre du AP30A#7.1 识别主管部门的依据是 AP30A#7.1	Administrations identified under AP30A#7.1 Администрации, идентифицированные согласно AP30A#7.1	Administraciones identificadas según AP30A#7.1 إدارات محددة بموجب AP30A#7.1
KA3R	E	109606273	18	BLR/IK		
		109606274	18	BLR/IK		
		109606275	18	BLR/IK		
		109606276	18	BLR/IK		
		109606277	18	BLR/IK		
		109606278	18	BLR/IK		
		109606279	18	BLR/IK		
		109606280	18	BLR/IK		
		109606281	18	BLR/IK		
		109606282	18	BLR/IK		

II. Liste des réseaux à satellite
(à titre d'information uniquement, voir N° 9.36.2)
二、卫星网络清单(仅供参考, 见第9.36.2款)

II. List of satellite networks
(for information only, see No. 9.36.2)

II. Список спутниковых сетей (исключительно для информации, см. п. 9.36.2)

II. Lista de redes de satélite
(sólo para información, véase el N.º 9.36.2)

II. قائمة بالشبكات الساتلية (انظر الرقم 2.36.9 للعلم فقط)

Liste des réseaux à satellite pour lesquels Delta T/T > 6% ou situés à l'intérieur de l'arc de coordination (au titre du N° 9.7)

List of satellite networks for which Delta T/T > 6% or which are within the coordination arc (under No. 9.7)

قائمة بالشبكات الساتلية التي تكون فيها قيمة دلتا $T/T < 6\%$ أو التي تقع داخل 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	BR28 Detected by coord. arc
ARS	ARB	ARABSAT 6P-44.5E	44.5 E	C	A	105520077			A
		SAUDI-FMSS-5	52 E	C	A	106520064			A
		SAUDI-FMSS-8	41 E	C	A	106520067			A
		STRATSAT-5	41 E	C	A	106520069			A
AZE		AZERSAT A	43.2 E	C	A	108520283			A
		AZERSAT B	58.5 E	C	A	109520016			A
BLR	IK	INTERSPUTNIK-50.5E	50.5 E	C	A	108520258			A
CAN		CANSAT KA-2	91 W	C	A	95520180		R	
		CANSAT KA-3	82 W	C	A	95520181		R	
CHN		ASIASAT-AKZ	122.2 E	C	A	105520372	C	R	
		ASIASAT-CKZ	105.5 E	C	A	105520373	C	R	
		ASIASAT-EKZ	100.5 E	C	A	105520374	C	R	
		CHINASAT-51.5E	51.5 E	C	A	105520383			A
		CHINASAT-51.5E	51.5 E	N	T	109500021			A
		CHINASAT-ROUTE1	51.5 E	C	A	107520164			A
		COMPASS-58.75E	58.75 E	C	A	101520010			A
		COMPASS-58.75E	58.75 E	N	T	307500614			A
		SINOSAT-5	110.5 E	C	A	106520145	C		
CYP		SINOSAT-7A	46.5 E	C	A	106520146	C	R	A
		KYPROS-APHRODITE	90 E	C	A	108520196	C	R	
		KYPROS-ARTEMIS	174.5 W	C	A	108520253	C	R	
		KYPROS-ATHENA	22.5 E	C	A	108520197	C	R	
		KYPROS-POSEIDON	52.5 W	C	A	108520198	C	R	
CZE		KYPROS-ZEUS	54 E	C	A	108520199	C	R	A
		CESASAT-7	46 E	C	A	109520010			A
D		EUROPE*STAR-1	45 E	C	A	92520080			A
		EUROPE*STAR-1	45 E	N	A	104500143			A
		EUROPE*STAR-1B	45 E	C	T	100520492			A
		EUROPE*STAR-3	47.5 E	C	A	92520081			A

CR/C/2384



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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATELITE		BS4-KA		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	CR/F/1
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE		LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	34 E	BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2728 / 18.09.2012
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE		2N		NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	112523005
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					02.05.2012

<input checked="" type="checkbox"/>	LA PROCÉDURE SPÉCIALE PRÉVUE DANS LA RÉSOLUTION 553 S'APPLIQUE	SPECIAL PROCEDURE OF RESOLUTION 553 APPLIES	SE APLICA EL PROCEDIMIENTO ESPECIAL DE LA RESOLUCIÓN 553
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Cette demande de coordination pour le SRS en bande 21,4-22 GHz, reçue par le Bureau des radiocommunications en application du numéro 9.30 du Règlement des radiocommunications, a été examinée au titre des numéros 9.35 et 9.36 et elle est publiée conformément au numéro 9.38. Cette demande est assujettie à la coordination au titre du numéro 9.7. Conformément aux numéros 9.50-9.52 du Règlement des radiocommunications, les Administrations identifiées dans le Tableau I ci-après sont priées de faire connaître leur décision à l'administration responsable et au Bureau avant la date limite indiquée ci-dessous.

This request for coordination for BSS in the band 21.4-22 GHz, 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 No. 9.7 coordination. 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.

Esta solicitud de coordinación para el SRS en la banda 21,4-22 GHz, recibida por la Oficina de Radiocomunicaciones con arreglo al número 9.30 del Reglamento de Radiocomunicaciones, ha sido examinada de acuerdo con los números 9.35 y 9.36 y se publica según lo dispuesto en el número 9.38. Está sujeta a la coordinación del número 9.7. De acuerdo con los números 9.50-9.52 del Reglamento de Radiocomunicaciones, se requiere a las Administraciones identificadas en el Cuadro I que figura más adelante que comuniquen su decisión a la Administración responsable y a la Oficina dentro del plazo indicado más abajo.

DATE LIMITE ARBITRAIRE	24.12.2011
DATE D'ACCÈS PRIORITAIRE	
PRIORITY ACCESS DATE	
FECHA DE ACCESO PRIORITARIO	

Cette demande de coordination dans la bande 21,4-22 GHz, reçue par le Bureau des radiocommunications en application du numéro 9.30 du Règlement des radiocommunications, a été examinée au titre des numéros 9.35 et 9.36 et elle est publiée conformément au numéro 9.38. Cette demande est assujettie à la coordination au titre du numéro 9.7. Conformément aux numéros 9.50-9.52 du Règlement des radiocommunications, les Administrations identifiées dans le Tableau I ci-après sont priées de faire connaître leur décision à l'administration responsable et au Bureau avant la date limite indiquée ci-dessous.

This request for coordination for BSS in the band 21.4-22 GHz, 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 No. 9.7 coordination. 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.

Esta solicitud de coordinación en la banda 21,4-2 GHz, recibida por la Oficina de Radiocomunicaciones con arreglo al número 9.30 del Reglamento de Radiocomunicaciones, ha sido examinada de acuerdo con los números 9.35 y 9.36 y se publica según lo dispuesto en el número 9.38. Está sujeta a la coordinación del número 9.7. De acuerdo con los números 9.50-9.52 del Reglamento de Radiocomunicaciones, se requiere a las Administraciones identificadas en el Cuadro I que figura más adelante que comuniquen su decisión a la Administración responsable y a la Oficina dentro del plazo indicado más abajo.

DATE LIMITE POUR LA DÉCISION / EXPIRY DATE FOR DECISION / FECHA LÍMITE PARA LA DECISIÓN	18.01.2013
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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	Resumen de los requisitos de coordinación موجز متطلبات التنسيق
X 9.7	ARS/ARB, CTI/RAS, CYP, D, F, G, HOL, I, ISR, KAZ, LUX, MEX, PAK, PNG, QAT, RUS, TUR, UAE, UKR		



Analyse Special Sections

- **Examine coordination requests contained in CR/C special sections**
- **may cause or receive interference from your assignments**
- **Keep the details of these examination to provide to the Administration seeking coordination**

Comment to CR/C, CR/F

- Inform the requesting administration and the BR within four months from the date of publication of the CR/C of either
- agreement to the proposed use; or
 - disagreement, giving reasons for it (No.9.52)

Final Coordination Requirement

No.9.7(Δ T/T or pfd), AP30 and AP30A

List of Administrations identified in the CR/C or CR/F is final with which coordination is required (whether or not comment is received from Admin within 4 months – BR assistance possible)

Final Coordination Requirement

No.9.7 (Coordination Arc)

List of Administrations identified in CR/C is subject to request for inclusion or exclusion under Nos.9.41/9.42

Request to be submitted (SpaceCom) within 4 months (No.9.43 applies) CR/E contains list of networks

(9.41 does not apply to the band 21.4-22GHz BSS in R1 and R3)

CR/E Publication (No.9.42)

Contains list of administrations/ satellite networks, requested for inclusion under No.9.41(No.9.42)

No.9.41 revised by WRC-12

request for inclusion of a satellite network outside the coordination arc even if the administration is already identified

Final List of networks published in CR/E + CR/C
CR/C request received after 01.01.2013
(See also No.9.42.1)

CR/E Special Section (No.9.42)



Cover page of CR/E

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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		G8-44	SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	CR/E/244
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---	BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2728 / 18.09.2012
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	LU	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	83 W	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN
				111520394

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-1, 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-1, 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/3033 (BR IFIC 2716 / 03.04.2012)
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Tableau I / Table I / Cuadro I / 表一 / Таблица I / الجدول I

Page No.3

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

Final Coordination Requirement

Cases under Nos. 9.11 to 9.14 and 9.21

The list of administrations identified by the BR is for information (Nos. 9.36.1) only. **Absence of comments (SpaceCom) means agreement (No. 9.52C) !**

CR/D contains final list of administrations for these forms of coordination

CR/D Publication (No.9.53A)



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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		DAWN 20	SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	CR/D/1570	
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---	BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2665 / 23.03.2010	
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	PNG	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	50.75 E	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	109520052

	9.11	<p>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.</p> <p>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.</p> <p>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.</p>	<p>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.</p> <p>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.</p> <p>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.</p>	<p>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.</p> <p>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.</p> <p>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.</p>
X	9.11A			
	9.12			
	9.12A			
X	9.13			
	9.14			
	9.21/A			
	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/2384 (BR IFIC 2646 / 16.06.2009)

CR/D Publication (No.9.53A)

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

Disposition / Provision / Disposición / 条款 / Положение / الحكم	Récapitulatif des coordinations à effectuer		Summary of coordination requirements	Resumen de los requisitos de coordinación
	协调要求概述		Сводные данные о будущей координации	ملخص متطلبات التنسيق
9.11				
X 9.11A				
	9.12			
	9.12A			
X	9.13	D, F, G, J, USA		
	9.14			
9.21A				
9.21B				
9.21C				
RS33#2.1				

Tableau II / Table II / Cuadro II / 表二 / Таблица II / الجدول

Nécessité d'une coordination au niveau du groupe / **Coordination requirements at group level** / Requisitos de coordinación a nivel de grupo
 在组的层次进行的协调 / Требования на координацию на уровне группы / متطلبات التنسيق على مستوى المجموعة

B1a Beam designation	B2 Emi-Rcp	BR7a Group id.	BR47 Frequency band (MHz)	No.9.13					
KA2R	R	109611327	28500.000 - 29500.000	D	F	G	USA		
		109611328	28500.000 - 29500.000	D	F	G	USA		
		109611329	28500.000 - 29500.000	D	F	G	USA		
		109611330	28500.000 - 29500.000	D	F	G	USA		
		109611331	28500.000 - 29500.000	D	F	G	USA		
		109611332	28500.000 - 29500.000	D	F	G	USA		
		109611333	28500.000 - 29500.000	D	F	G	USA		
		109611334	28500.000 - 29500.000	D	F	G	USA		
		109611335	28500.000 - 29500.000	D	F	G	USA		
		109611336	28500.000 - 29500.000	D	F	G	USA		
		KA3R	R	109611337	18800.000 - 19700.000	F	G	J	USA
				109611338	18800.000 - 19700.000	F	G	J	USA
				109611339	18800.000 - 19700.000	F	G	J	USA
				109611340	18800.000 - 19700.000	F	G	J	USA
109611341	18800.000 - 19700.000			F	G	J	USA		
109611342	18800.000 - 19700.000			F	G	J	USA		
109611343	18800.000 - 19700.000			F	G	J	USA		
109611344	18800.000 - 19700.000			F	G	J	USA		
109611345	18800.000 - 19700.000			F	G	J	USA		
109611346	18800.000 - 19700.000			F	G	J	USA		

Due Diligence – Res 49

- Resolution 49:
 - **Orbit and spectrum reservation without actual use (Res 18 of Kyoto PP)**
- **Applies to satellite network in the FSS, MSS, BSS that is subject to coordination Procedure**
- **Data / Publication procedure (SPR)**

Due Diligence – Res 552

Resolution 552

- Similar to Res 49 to some extent
- Applies to BSS in R1,R3 21.4-22G
- **ITU-ID** for new satellites
- DD is required for suspending shifting/deorbiting
- BR need not remind and cancel the network

Due Diligence – Res 552



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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		EUTELSAT-B1-16E		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	RES552/1
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2734 / 11.12.2012
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	F	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	16 E	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	112593001
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					14.08.2012

Les renseignements ont été reçus conformément aux § 1 ou 5 de l'Annexe 1 à la Résolution 552 (WRC-2012). Ils sont publiés par le Bureau des radiocommunications en application du § 4 et § 6 de cette même annexe.

This information has been received pursuant to § 1 or 5 of Annex 1 to Resolution 552 (WRC-2012). It is published by the Radiocommunication Bureau in accordance with § 4 and § 6 of that Annex.

La información ha sido recibida de conformidad con los § 1 ó 5 del Anexo 1 a la Resolución 552 (WRC-2012). Se publica por la Oficina de Radiocomunicaciones en virtud del § 4 y § 6 de este anexo.

SECTION SPECIALE / SPECIAL SECTION / SECCIÓN ESPECIAL / 特节 / СПЕЦИАЛЬНАЯ СЕКЦИЯ / القسم الخاص / RES552/156

A	A1a Sat. Network	EUTELSAT-B1-16E	A1f1 Notifying adm.	F	A1f3 Inter. sat. org.	EUT	BR1 Date of receipt	14.08.2012
BR6a/BR6b	Id. no.	112593001	BR3a Provision reference	R552	BR2 Adm. serial no.			

A4a1 Orbital long.	16 E	BR4 First date of bringing into use	29.03.1998
BR6c Linked Id. no.	AR11/A API: 97542727	CR: 98520189	NOTIF: 107500234
A13 Ref. to Special Sections	AR11/A API: AR11/A/2247	CR: AR11/C/3340 CR/C/2996	NOTIF: PART II-S (2692)

C1 Frequency Range in the relevant special section				BR1
C1a Lower limit		C1b Upper limit		Date of receipt
21.4	GHz	22	GHz	14.08.2012

BR85 Spacecraft ITU ID	112593001	BR86 Regulatory status	F	BR87 Date of regulatory status	29.03.1998	BR88 Reason for suspension	
------------------------	-----------	------------------------	---	--------------------------------	------------	----------------------------	--

BR30 Spacecraft manufacturer	THALES ALENIA SPACE
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BR31 Date of execution of the contract	21.03.2009	BR90 Delivery date	31.05.2011
--	------------	--------------------	------------

BR34 Launch vehicle provider	GREAT WALL INDUSTRY	BR35 Launch vehicle	LONG MARCH 3B
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BR36 Date of execution of the contract	21.02.2008	BR91 Launch date	07.10.2011
--	------------	------------------	------------

BR38 Launch facility	XICHANG	BR39 Country / location	CHN	BR40 Geographical coordinates	102 E 13 48	28 N 60
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BR41 Commercial name	EUTELSAT-B1-16E
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C1 Frequency Range on board of the spacecraft				
	BR94 Lower limit		BR95 Upper limit	
J1	21.401801	GHz	21.434801	GHz
J2	21.434801	GHz	21.467801	GHz
J3	21.467801	GHz	21.500801	GHz
J4	21.500801	GHz	21.533801	GHz

CT ITU Reminder

Nos.11.44/11.44.1 and Res49

- **Reminder sent 6 months before expiry of the 7-year regulatory “time limit”.**
 - **CT ITU** is posted on the ITU Web site.
- **If the BiU, due diligence information or notification is not received in time, relevant special sections and provision recording in the MIFR shall be cancelled (No.11.48 Revision WRC-12)**

Article 11 submissions

- Submit Notification for recording in the MIFR within the time limit (No.11.44.1)
- Acknowledgement is Published in PART I-S
- If results of **examination** are favourable FAs are recorded in MIFR (PART II-S)
- Returned to the administration (PART III-S) if results of examination are unfavourable.
- No.11.31 examination
- No.11.32 examination **is to ensure that all the required coordination is complete or No.11.32A (C/I) is requested and the finding is favorable.**

Article 11 submissions

- Recorded under No.11.41 if requested No.11.41.2 (WRC-12)
- No.11.42 applies till all coordination is completed
- Assignments submitted for recording in the MIFR before it is brought into use as defined in No. 11.47 and/or No.11.44B (WRC-12) are provisionally recorded in the MIFR.

No.11.44B: A GSO space station capable of transmitting and receiving in the freq. band has been deployed and maintained for 90 days at the notified orbital locations... ..

Suspension

- **Frequency Assignments can be suspended for a period of 3 years under No.11.49.**
 - BR has to be informed of suspension of use, **no later than 6 months** from the date of suspension.
- **Frequency Assignments are considered brought back into use only if conditions of No.11.49.1 are met**

Art 13 – Maintenance of MIFR

- CR/301 of 01 May 2009 request administrations to keep the MIFR upto date.
- BR queries administrations for more information under No.13.6 based on publicly available information
- WRC-12 clarified application of No.13.6 that enters into force on 01.01.2013

THANKS

INTERFERENCE

