

Overview

Non-Planned Procedures

Hon Fai Ng

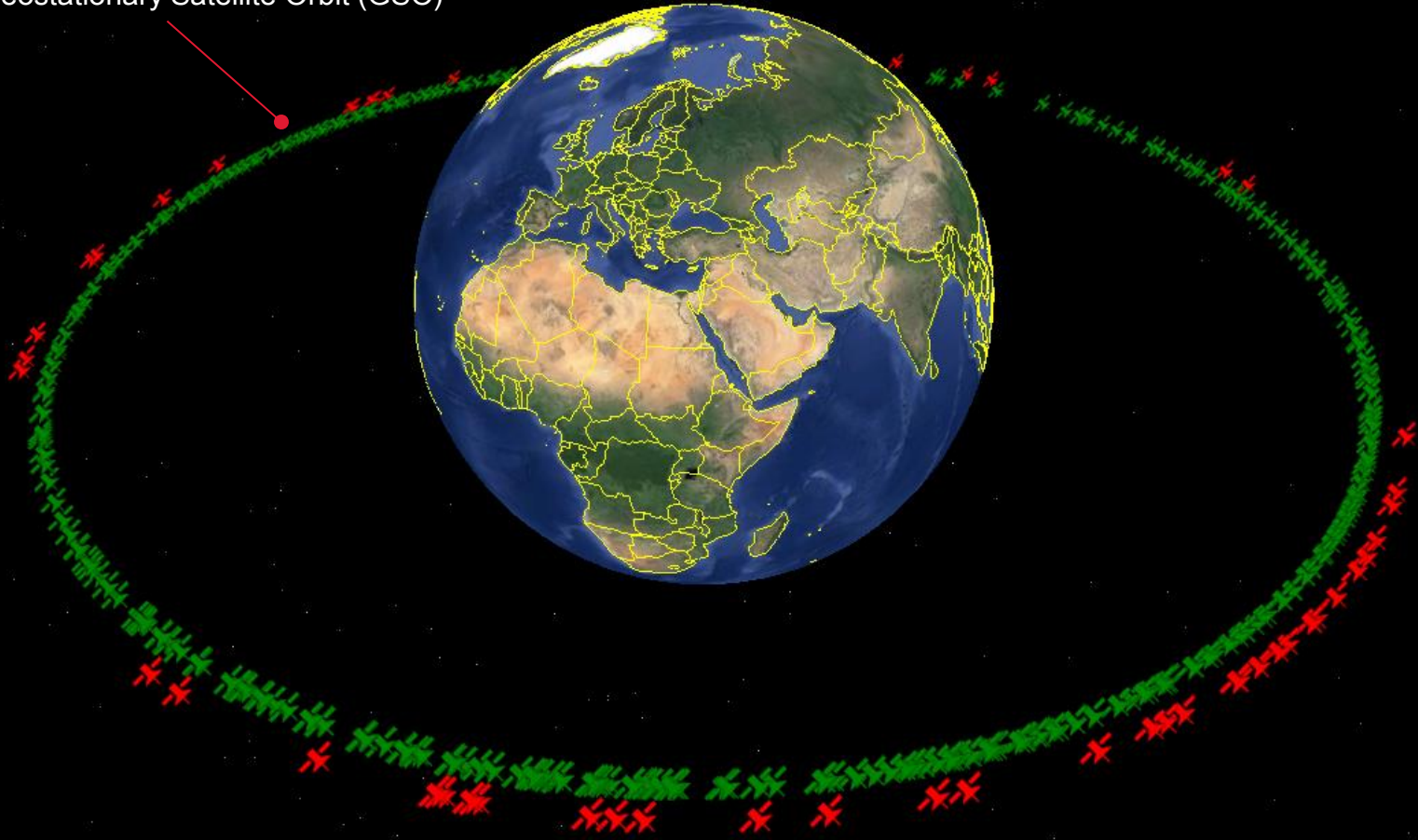
Space Services Department



400+ Satellites

currently operating in GSO
350+ unique positions

Geostationary Satellite Orbit (GSO)



Source: Norad Data of 11.03.2014

Google earth



RECORDED in MIFR

1085 Satellite Networks

45 Administrations

440 Unique Positions

98% Confirmed BIU

COORDINATION

+1350 Satellite Networks

+20 Administrations

+680 Unique orbital positions

Source: SRS Database of 21.02.2014

Google earth

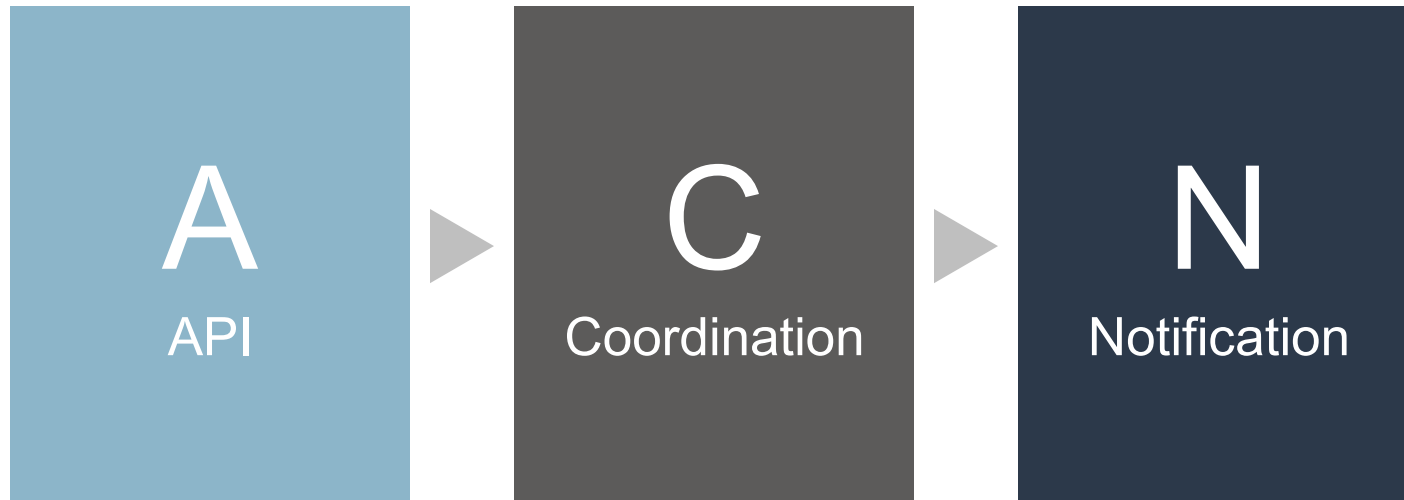


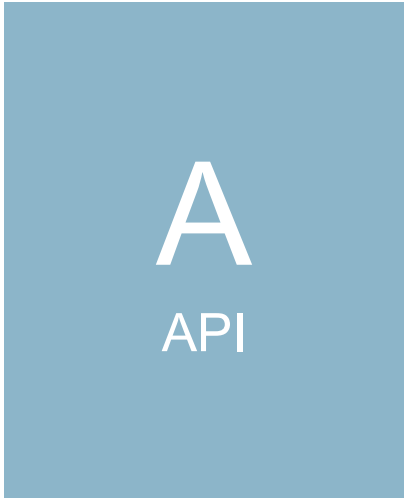
Launch Vehicle

COMMON GOAL

Access to spectrum/orbit resources
Ensure rational, equitable, efficient, economical use
Interference-free operation

Non-planned Procedures (Articles 9 & 11)





A

API

ADVANCED PUBLICATION OF INFORMATION

Section I of Article 9

Purpose: General description of satellite network (GSO & NGSO) to inform all administrations



Send to BR, information in Appendix 4, Annex 2 (No. 9.1)
BR publishes API/A in BR IFIC within 3 months (No. 9.2B)

Sec. IA: Not subject to coordination (Some NGSO)

Comments within 4 months (No. 9.3)

Sec. IB: Subject to coordination (All GSO* & some NGSO)

Source: Section I of Article 9 of Radio Regulations

* GSO networks with ISLs with NGSO not subject to coordination are treated under Sec. IA

A

API

ADVANCED PUBLICATION OF INFORMATION



Date of receipt starts regulatory clock

Within 7 years before bringing into use (No. 9.1)

Coordination Request within 24 months else API cancelled (No. 9.5D)

API must be restarted

Additional frequency bands (No. 9.2)

Orbital location modification $> \pm 6^\circ$ (No. 9.2)

Satellite Network

Cover page of API



UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS BUREAU DES RADIOCOMMUNICATIONS		INTERNATIONAL TELECOMMUNICATION UNION RADIOCOMMUNICATION BUREAU		UNIÓN INTERNACIONAL DE TELECOMUNICACIONES OFICINA DE RADIOCOMUNICACIONES		© I.T.U.
RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATELITE		KYPROS-ATHENA-3		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º		API/A/8850
				BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA		2763 / 18.02.2014
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE		CYP		LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL		22.5 E
				NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN		113540758
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL						28.11.2013

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

This information is published by the Radiocommunication Bureau in accordance with No. 9.2B. It is subject to the procedure(s) indicated below by an X in the relevant box.

Esta información se publica por la Oficina de Radiocomunicaciones en virtud del No. 9.2B. Está sujeta al (a los) procedimiento(s) siguiente(s), señalado(s) con una X en la casilla apropiada.

<input type="checkbox"/>	Les renseignements ont été reçus conformément à l'Article 9, sous-section IA	<input type="checkbox"/>	The information has been received pursuant to Article 9, Sub-Section IA	<input type="checkbox"/>	La información ha sido recibida de conformidad con el Artículo 9, subsección IA
	Toute administration estimant que des brouillages inacceptables peuvent être causés à ses réseaux ou à ses systèmes à satellites existants ou en projet devra communiquer ses commentaires à l'Administration qui a demandé la publication de l'information au Bureau des Radiocommunications, en un délai de 30 jours à compter de la date de publication.		Any administration which considers that its existing or proposed systems, as approved by the Radiocommunication Bureau, will be caused to its existing or proposed systems by the systems to be published, shall communicate its comments to the Radiocommunication Bureau, within a period of 30 days from the date of publication.		Cualquier administración que considere que sus sistemas de radiofrecuencia existentes o previstos serán afectados por los sistemas de radiofrecuencia que se publican, deberá comunicar sus comentarios a la Administración que haya publicado la información, en un plazo de 30 días a partir de la fecha de esta publicación.
LA RÉCEPTION DES COMMENTAIRES THE RECEIPT OF COMMENTS LA RECEPCIÓN DE LOS COMENTARIOS					
<input type="checkbox"/>	Les renseignements ont été reçus conformément à l'Article 9, sous-section IB	<input type="checkbox"/>	The information has been received pursuant to Article 9, Sub-Section IB	<input type="checkbox"/>	La información ha sido recibida de conformidad con el Artículo 9, subsección IB
	Toute administration estimant que ses réseaux à satellite, ses systèmes à satellites existants ou en projet, sont affectés par les réseaux à satellite, les systèmes à satellites existants ou en projet, dont l'administration qui a demandé la publication de l'information, envoie une copie de ces commentaires à l'Administration qui a demandé la publication de l'information, en un délai de 30 jours à compter de la date de publication.		Any administration which considers that its existing or proposed systems, as approved by the Radiocommunication Bureau, will be affected by the systems to be published, shall communicate its comments to the Radiocommunication Bureau, within a period of 30 days from the date of publication.		Cualquier administración que considere que sus sistemas de radiofrecuencia existentes o previstos serán afectados por los sistemas de radiofrecuencia que se publican, deberá comunicar sus comentarios a la Administración que haya solicitado la publicación de la información, enviando una copia de dichos comentarios a la Oficina de Radiocomunicaciones, en un plazo de 30 días a partir de la fecha de esta publicación.

Date of Receipt Starts Regulatory Clock

Notifying Administration

Orbital Location

Special Section No. BR IFIC / Publication Date

Information aussi disponible sur le / Information also available on the / Información también disponible en: Space Network Systems Online Service : <http://www.itu.int/sns/advpub.html>



SECTION SPECIALE / SPECIAL SECTION / SECCIÓN ESPECIAL / 特节 / СПЕЦИАЛЬНАЯ СЕКЦИЯ / القسم الخاص						API/A/8850
A	A1a Sat. Network	KYPROS-ATHENA-3	A1f1 Notifying adm.	CYP	A1f3 Inter. sat. org.	
BR6a/BR6b Id. no.		113540758	BR3a Provision reference		9.1/IB	BR2 Adm. serial no.
						BR1 Date of receipt
						28.11.2013
						BR20 BR IFIC no.
						2763

Résumé / Summary / Resumen / 綜述 / Резюме / خلاصة

A4a1 Orbital long. 22.5 E

Article 9, sous-section IB / Article 9, sub-section IB / Artículo 9, sub-sección IB /
 第9条第1B分节 / Статья 9, подраздел IB / المادة 9، القسم الفرعي IB

Summary of Frequency Bands

BR7a Group id.	B2 Emi-Rcp	BR9 Action code	BR47 Frequency band (MHz)		C4a Class of station
113715504	R		1980	- 2010	EI
113715503	R		2010	- 2025	EI
113715501	R		2655	- 2670	EC, ED, EK, EV
113715502	R		2670	- 2690	EC, ED, EI, EK
113715493	R		5725	- 5850	EC, ED, EK, ER
113715494	R		5850	- 6725	EC, ED, EK, ER
113715505	R		7900	- 8025	ED, EI, ER
113715506	R		8025	- 8400	EC, ED, ER
113715495	R		13750	- 14000	EC, ED, EK, ER
113715496	R		14000	- 14500	EC, ED, EK, ER
113715497	R		24750	- 25250	EC, ED, EK, ER
113715498	R		27000	- 27500	EC, ED, EK, ER
113715499	R		27500	- 29500	EC, ED, EK, ER
113715500	R		29500	- 31000	EC, ED, EK, ER
113715507	R		42500	- 43500	EC, ED, EK
113715508	R		43500	- 47000	EI
113715509	R		47200	- 50200	EC, ED, EK
113715510	R		50400	- 51400	EC, ED, EI, EK
113715485	E		2025	- 2110	EK
113715481	E		2160	- 2170	EI
113715483	E		2170	- 2200	EI
113715486	E		2200	- 2290	ER
113715484	E		2310	- 2360	EB
113715482	E		2483.5	- 2500	EI
113715478	E		2500	- 2520	EC, EI
113715479	E		2520	- 2535	EC, EK, ER, EV
113715480	E		2535	- 2655	EB, EC, EK, EV
113715469	E		3400	- 4200	EC, ED, EK, ER
113715487	E		7250	- 7375	ED, EI, ER
113715488	E		7375	- 7750	EC, ED, ER
113715470	E		10950	- 11200	EC, ED, EK, ER
113715471	E		11450	- 11700	EC, ED, EK, ER
113715489	E		11700	- 12200	EC, ED, EK, ER
113715474	E		12200	- 12500	EC, ED, EK, ER

A A1a Sat. Network A1f1 Notifying adm. A1f3 Inter. sat. org. BR1 Date of receipt BR20 BR IFIC no.
 BR6a/BR6b Id. no. BR3a Provision reference BR2 Adm. serial no.

A1f2 Submitted on behalf
 A4a1 Orbital long.

BR7a/BR7b Group id. B2 Emi-Rcp BR1 Date of receipt C2c RR No. 4.4

BR14 Special Section

A2b Period of valid.

BR60 Regulatory deadline(s) 9.5D

C1 Frequency Range			
C1a Lower limit		C1b Upper limit	
1980	MHz	2010	MHz

C4a Class of station

C4b Nature of service

C11a2 Service area

C11a4 Service area name

Details

C11a3 Service area diagram

BR7a/BR7b Group id. B2 Emi-Rcp BR1 Date of receipt C2c RR No. 4.4

BR14 Special Section

A2b Period of valid.

BR60 Regulatory deadline(s) 9.5D

C1 Frequency Range			
C1a Lower limit		C1b Upper limit	
2010	MHz	2025	MHz

C4a Class of station

C4b Nature of service

C11a2 Service area

C11a4 Service area name

**7-year Deadline
BIU, Notification**

**24-month Deadline
Coordination**

BR7a/BR7b Group id. B2 Emi-Rcp BR1 Date of receipt C2c RR No. 4.4

BR14 Special Section

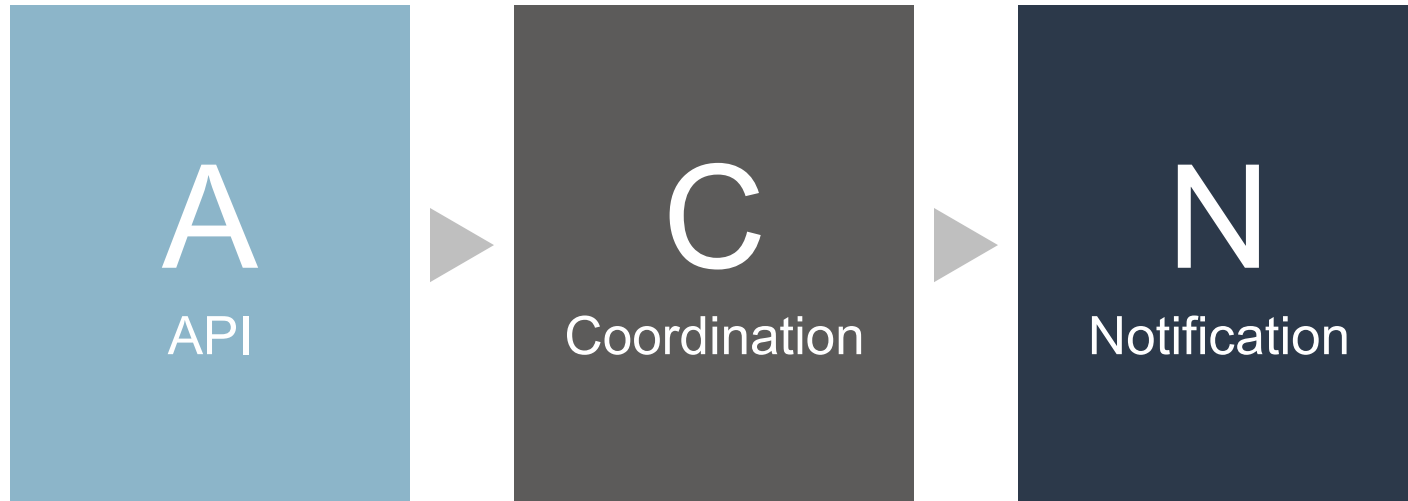
A2b Period of valid.

BR60 Regulatory deadline(s) 9.5D

C1 Frequency Range			
C1a Lower limit		C1b Upper limit	
2655	MHz	2670	MHz



Non-planned Procedures (Articles 9 & 11)



Start of regulatory
clock

7 years

C

Coordination

C

Coordination

REQUEST FOR COORDINATION

Section II of Article 9

Purpose: To effect coordination with administrations



Send to BR, information in Appendix 4, Annex 2 (No. 9.30)
BR publishes “as received” in ITU SNL webpage (Res 55)
BR examines conformity with RR (No. 9.35)
BR identifies affected administrations (No. 9.36) and
networks (No. 9.36.1)
BR publishes CR/C or CR/F in BR IFIC within 4 months (No.
9.38)

Affected administrations comment (Nos. 9.52, 9.41)

Bilateral coordination (No. 9.53)

C

Coordination

REQUEST FOR COORDINATION



Date of Receipt

6 to 24 months of API date of receipt (Nos. 9.1* & 9.5D)

Incoming networks to coordinate with existing networks with earlier date of receipt or “date of protection”

Determines priority (Nos. 8.3)

Mutual effort to overcome difficulties (No. 9.53)

Equal rights, no permanent priority (Res 2)

Source: Sections I, II, No. 9.53 of Article 9, Resolutions 2, 553 of Radio Regulations

*Except BSS 21.4 – 22 GHz applying Special Procedure (Resolution 553)

Cover page of Coordination Request



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 SATELITE		LUX-G9-5		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	CR/C/3454
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2763 / 18.02.2014
ADM. RESPONSABLE RESPONSABLE ADM. ADM. RESPONSABLE	LUX	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	19.2 E	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	113520221
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					14.10.2013
<p>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.</p>		<p>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 column of the left by an X in the appropriate box.</p>		<p>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 / 9.36 y se publica de conformidad con el N° 9.38. Está subordinada al tipo de coordinación indicado en la columna de la izquierda en la casilla correspondiente.</p>	
Type de coordination mentionné dans le Tableau I / Form of coordination referred to in Table I / Forma de coordinación referida en el Cuadro I					
<input checked="" type="checkbox"/>	9.7	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 des Radiocommunications avant la date limite indiquée ci-dessous.		below.	
<input type="checkbox"/>	9.7A				
<input type="checkbox"/>	9.7B				
<input checked="" type="checkbox"/>	AP30#7.1				
<input checked="" type="checkbox"/>	AP30A#7.1				
<input type="checkbox"/>	RS539	RS33#3		del plazo indicado más abajo.	
<input type="checkbox"/>	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					
<input checked="" type="checkbox"/>	9.11	Les Administrations identifiées dans le Tableau II ci-après, qui ne sont pas mentionnées dans le Tableau I, sont priées de communiquer leur décision à l'Administration responsable et au Bureau des Radiocommunications avant la date limite indiquée ci-dessous. Any administration not listed in Table II below, which does not respond to the provisions of Nos. 9.11 to 9.14 and RS33#2.1, les dispositions des numéros 9.48 et 9.49 s'appliqueront.		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° 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° 9.11 a 9.14 y RS33#2.1, se aplicarán las disposiciones de los N° 9.48 y 9.49.	
<input checked="" type="checkbox"/>	9.11A				
<input type="checkbox"/>	9.12				
<input type="checkbox"/>	9.12A				
<input checked="" type="checkbox"/>	9.13				
<input checked="" type="checkbox"/>	9.14	RS33#2.1		apply.	
<input checked="" type="checkbox"/>	9.21/A				
<input checked="" type="checkbox"/>	9.21/B	RS33#2.1			
<input checked="" type="checkbox"/>	9.21/C				
<input type="checkbox"/>	RS33#2.1	RS33#2.1			
<input type="checkbox"/>	RS33#2.1				
DATE LIMITE POUR LA DÉCISION / EXPIRY DATE FOR DECISION / FECHA LÍMITE PARA LA DECISIÓN					18.06.2014

Date of Receipt Determines Priority

Forms of Coordination

C

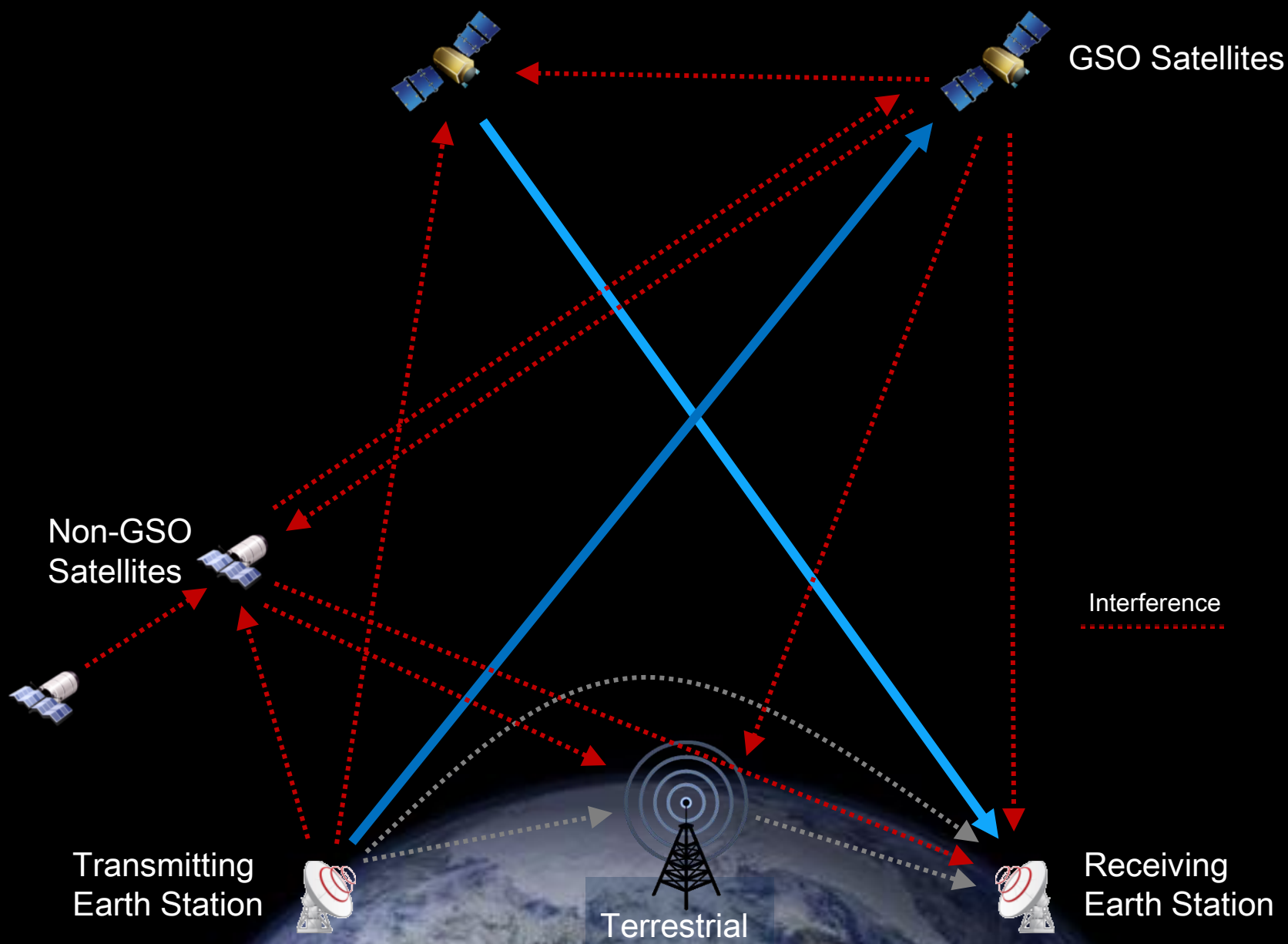
Coordination

FORMS OF COORDINATION

Applicable to all GSO and NGSO subject to coordination
Criteria to identify administrations to effect coordination
(conditions, threshold, methods) (Appendix 5)

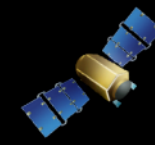
Existing	Incoming	
	GSO	NGSO
GSO	9.7, 9.21/A	9.12A, 9.21/A
NGSO	9.13, 9.21/B	9.12, 9.21/B
Plans	AP30#7.1, AP30A#7.1	-
Terrestrial	9.11, 9.14, 9.21/C	RS539, 9.11, 9.14, 9.21/C

Source: Section II of Article 9, Articles 7 of Appendices 30, 30A, Resolution 539, Resolution 33, Appendix 5 of Radio Regulations, Preface to BR IFIC



Incoming network

(Network requesting coordination)



GSO Satellites

9.13
9.21/B

9.7
Ap30#7.1
Ap30A#7.1
9.21/A

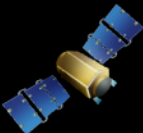
9.11
9.14
9.21/C

Non-GSO
Satellites



Terrestrial

GSO Satellites



Incoming network

(Network requesting coordination)

Non-GSO Satellites



9.12A
9.21/A

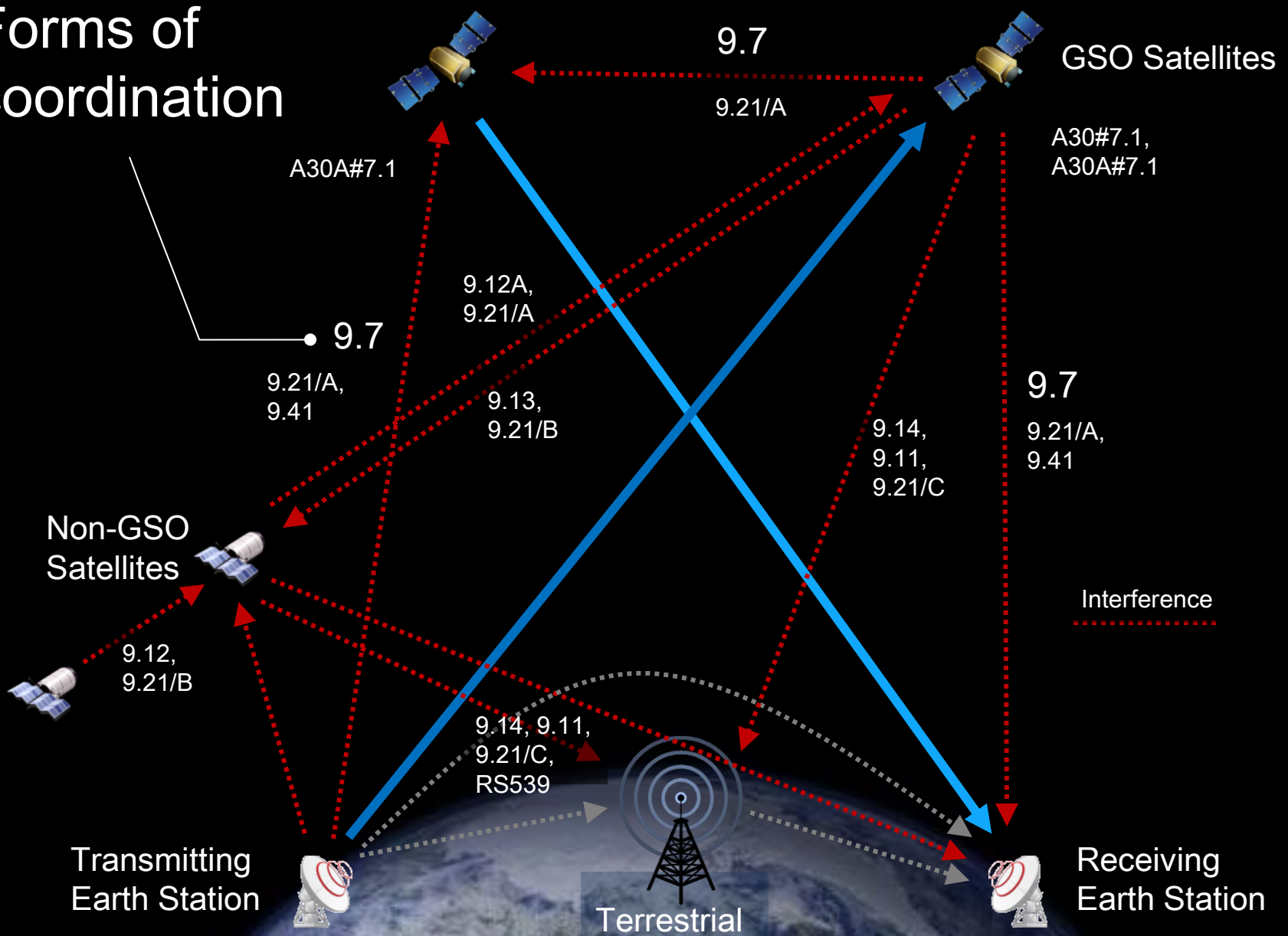
9.12
9.21/B

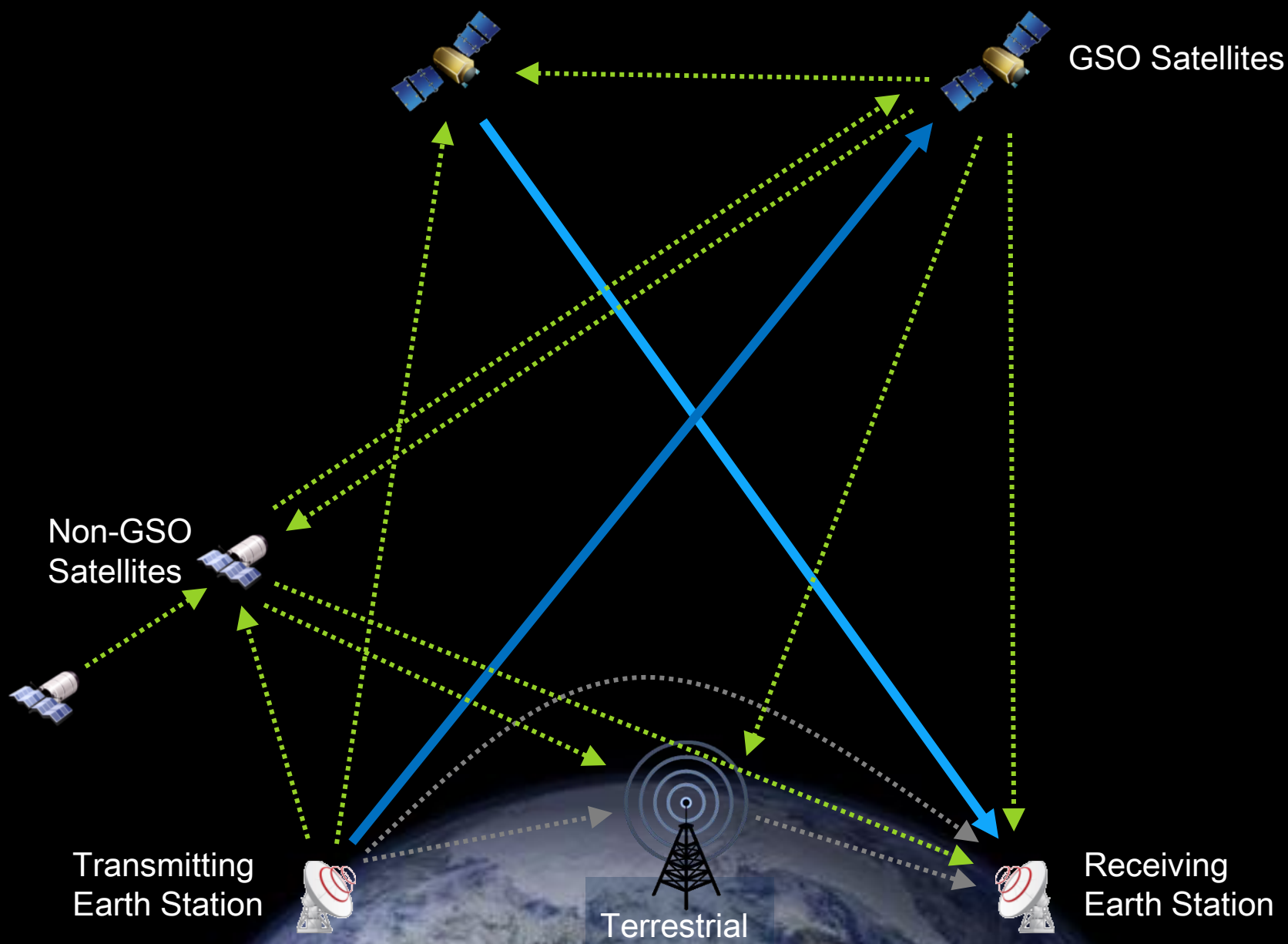
9.11
9.14
9.21/C



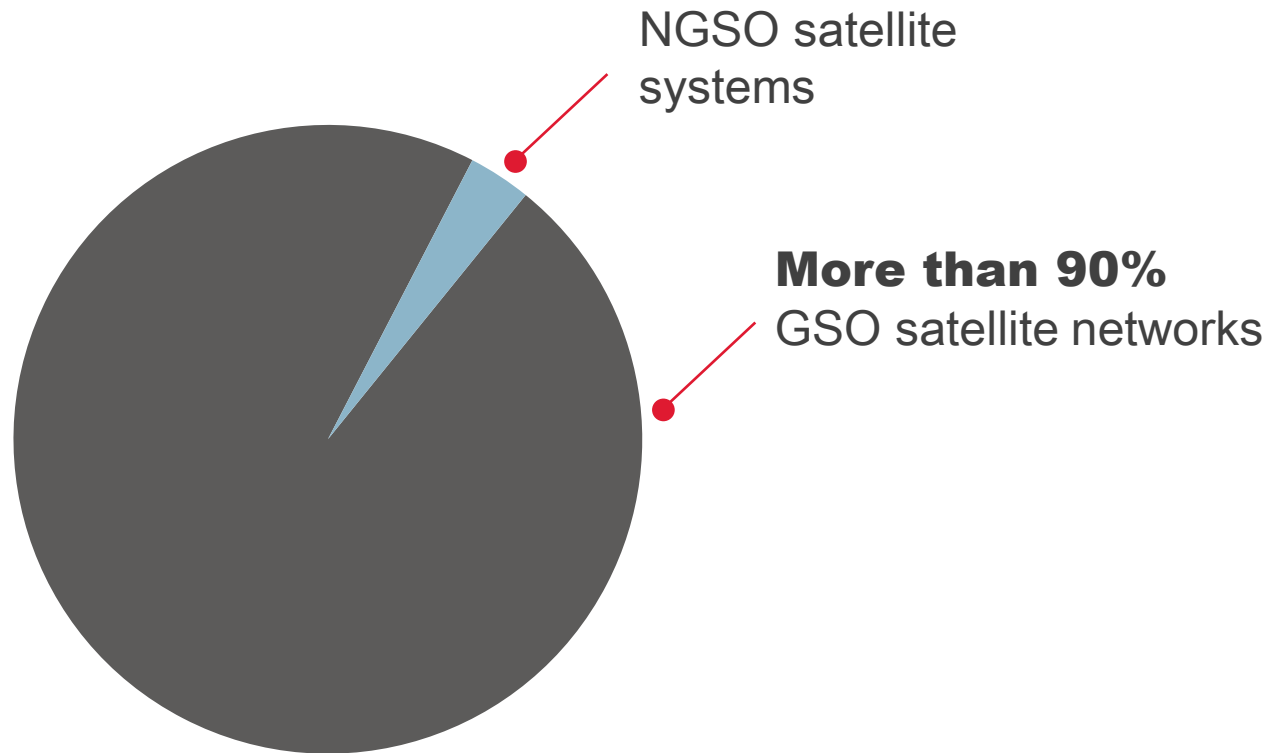
Terrestrial

Forms of coordination





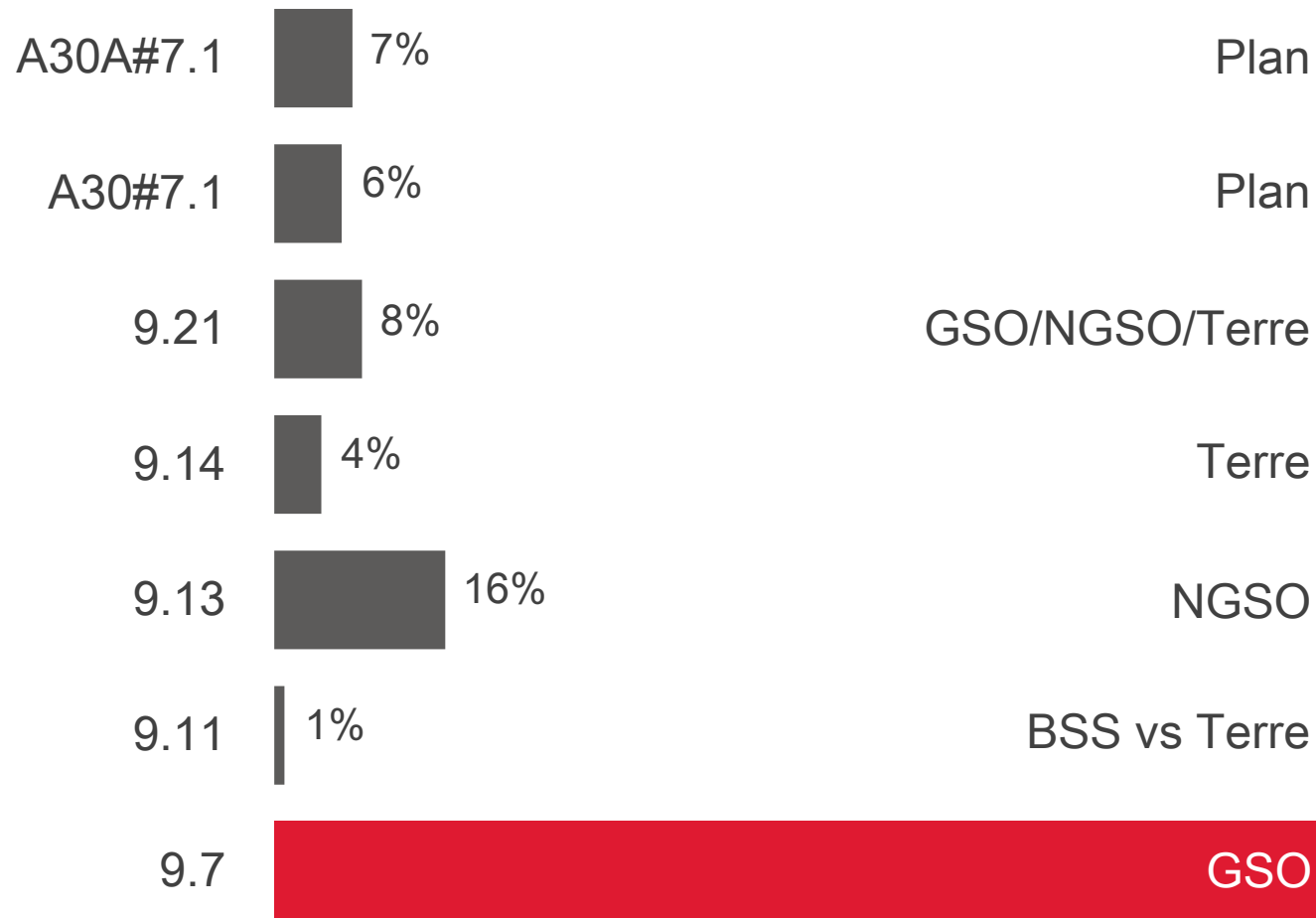
GSO vs NGSO SATELLITE NETWORKS



Source: Satellite networks in coordination stage, SRS database of 21.02.2014

GSO SATELLITE NETWORKS

Forms of Coordination



Source: Groups of frequency assignments in coordination stage, SRS database of 21.02.2014

C

Coordination

FORMS OF COORDINATION

Coordination under No. 9.7

GSO vs GSO

List of coordination requirements

Affected administrations (No. 9.36)

Affected networks (No. 9.36.2)

2 methods to identify

Coordination Arc (CA)

$DT/T > 6\%$

C

Coordination

COORDINATION ARC (CA)

To reduce coordination requirements and allow predictable identification by administrations

Conditions (App. 5)

- Within coordination arc 8°/7°/16°
- FSS/BSS/MetSat in certain bands including C, Ku, Ka
- Frequency overlap
- Same direction of transmission

Inclusion/exclusion of administrations & networks under No. 9.41*

DT/T

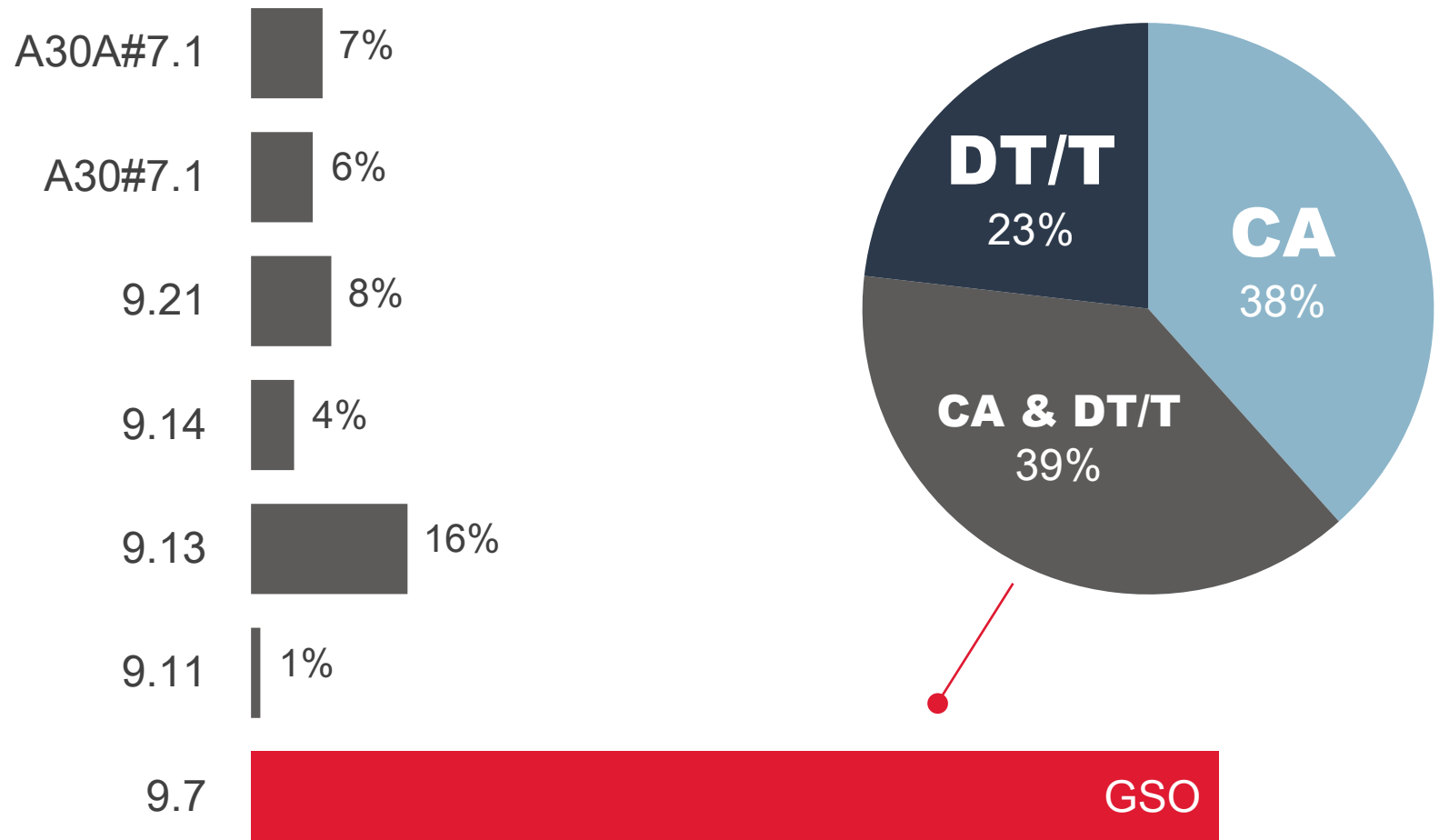
Based on noise temperature increase due to interference

Conditions (App. 5, 8)

- $DT/T > 6\%$, coordination required
- For all other bands or services not covered by CA
- Frequency overlap
- Same or opposite direction of transmission

GSO SATELLITE NETWORKS

Forms of Coordination



Source: Groups of frequency assignments in coordination stage, SRS database of 21.02.2014

C

Coordination

OTHER FORMS OF COORDINATION

Coordination under AP30#7.1 & AP30A#7.1 GSO vs Plans

Shared bands with Ap30/30A Plans in different Regions

Criteria

AP30#7.1 - PFD trigger over service area

AP30A#7.1 - DT/T > 6%

C

Coordination

OTHER FORMS OF COORDINATION

Coordination under No. 9.11A

GSO vs NGSO (9.13)

NGSO vs NGSO/GSO (9.12/9.12A)

GSO/NGSO vs Terre (9.14)

No. 9.11A requirements in Article 5 footnotes

Frequency dependent

Details in Rules of Procedures on No. 9.11A

Criteria

GSO/NGSO - Frequency overlap

Terre - Frequency overlap, PFD thresholds or visibility

C

Coordination

OTHER FORMS OF COORDINATION

Coordination under No. 9.11

Non-Plan BSS vs Terre

No. 9.11 requirements in Appendix 5

Applicable when:

- No PFD hard limits exist, and
- Primary allocation to terrestrial services

Criteria

Terre - Frequency overlap, PFD thresholds or visibility

C

Coordination

OTHER FORMS OF COORDINATION

Seek agreement under No. 9.21

GSO/NGSO vs GSO (9.21/A)

GSO/NGSO vs NGSO (9.21/B)

GSO/NGSO vs Terre (9.21/C)

No. 9.21 requirements in Article 5 footnotes

Frequency and service dependent

Criteria

GSO vs GSO - DT/T, NGSO vs GSO - Frequency overlap

GSO/NGSO vs NGSO - Frequency overlap

Terre - Frequency overlap, PFD thresholds or visibility

Cover page of Coordination Request



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INTERNATIONAL TELECOMMUNICATION UNION
RADIOCOMMUNICATION BUREAU

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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATELITE		LUX-G9-5		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	CR/C/3454
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2763 / 18.02.2014
ADM. RESPONSABLE RESPONSABLE ADM. ADM. RESPONSABLE	LUX	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	19.2 E	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	113520221
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					14.10.2013
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° 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	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.	De conformidad con los N° 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.	
	9.7A				
	9.7B				
<input checked="" type="checkbox"/>	AP30#7.1				
<input checked="" type="checkbox"/>	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					
<input checked="" type="checkbox"/>	9.11	Les Administrations identifiées dans le Tableau II ci-après, qui ne sont pas mentionnées dans le Tableau I, sont priées de communiquer leur décision à l'Administration responsable et au Bureau avant la date limite indiquée ci-dessous. Any administration not listed in Table II below, which do not respond to the provisions of Nos. 9.11 to 9.14 and RS33#2.1, les dispositions des numéros 9.48 et 9.49 s'appliqueront.	For not listed in Table II below, which do not respond to the provisions of Nos. 9.11 to 9.14 and RS33#2.1 are requested to communicate their decision to the Responsible administration and the Bureau by the deadline indicated below. Any administration not listed in Table II below, which do not respond to the provisions of Nos. 9.11 to 9.14 and RS33#2.1, shall be subject to the provisions of Nos. 9.48 and 9.49 shall apply.	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° 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° 9.11 a 9.14 y RS33#2.1, se aplicarán las disposiciones de los N° 9.48 y 9.49	
<input checked="" type="checkbox"/>	9.11A				
	9.12				
	9.12A				
<input checked="" type="checkbox"/>	9.13				
<input checked="" type="checkbox"/>	9.14				
<input checked="" type="checkbox"/>	9.21/A				
<input checked="" type="checkbox"/>	9.21/B				
<input checked="" type="checkbox"/>	9.21/C				
	RS33#2.1				
DATE LIMITE POUR LA DÉCISION / EXPIRY DATE FOR DECISION / FECHA LÍMITE PARA LA DECISIÓN					18.06.2014

Forms of Coordination

Tableau / Table / Cuadro / 表 / Таблица / الجدول				
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 متطلبات التنسيق
X	9.7	ARG, ARM, ARS/ARB, ARS, AUS, AZE, B, BEL, BGD, BLR, BUL, CAN, CHN, CLM/ASA, CLM, CTI/RAS, CYP, CZE, D/EUM, D, E, EGY, F/EUT, F, G, GRC, HOL, I, IND, INS, IRN, IRQ, ISR, J, KAZ, KOR, MAU, MEX, MLA, NIG, NOR, PAK, PNG, QAT, RUS/IK, RUS, S/NOT, S, SNG, THA, TON, TUR, UAE, UKR, URG, USA, VTN		
	9.7A			
	9.7B			
X	AP30#7.1	ALG, ARM, ARS/ARB, ARS, AZE, BHR, BUL, CAN, CHN, CYP, D, DJI, E, EGY, ERI, F/EUT, F, FIN, G, GEO, HOL, IRN, ISR, KOR, KWT, MAU, MCO, MKD, MLA, MLT, NOR, OMA, PNG, QAT, RUS/IK, RUS, S, SYR, TCD, TKM, TUR, UAE, UGA, UKR, USA		
X	AP30A#7.1			
	RS539			
	RS33#3			

Mandatory
Forms of Coordination

Summary
Affected Administrations

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)	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 затрагиваемые администрации (исключительно для информации, см. п. 9.36.1)	إدارات يتحمل أن تتأثر تأثراً غير موات (انظر الرقم 1.36.9، على سبيل الإطلاع فقط)
X	9.11	ARG*, ATG, B*, BHR, BOL, BRB, CAN*, CZE, D, DMA, DNK/GRL, E/CNR, E, EGY, F/GLP*, F/GUF, F/MRT*, F/MTY, F/REU, F/SPM, F, FIN, G/FLK, G, GNB, GRC, GRD, GUY, HRV, I, INS, IRN, ISL, ISR, LCA, MLT, NOR*, OMA, PRG, QAT, RRW, RUS, SEN, SUI, SUR, SVK, SVN, SYR, TRD, UAE, UKR, URG, VCT, VEN, YEM		
X	9.11A			
	9.12			
	9.12A			
X	9.13	ARG, AUS, CAN, CHN, D, E, F/GLS, F, G, NOR, PNG, RUS, USA		
X	9.14	AFG, AFS/MRN, AFS, AGL, ALB, ALG, AND, ARG*, ARM, ARS*, ATG, AUS/HMD, AUS/CO, AUT*, AZE, B*, BDI, BEL*, BEN, BFA, BGD, BHR*, BIH*, BLR*, BOL, BOT, BRB*, BRM, BTN, BUL, CAF, CAN*, CHN*, CLN*, CME, COD, COG, COM, CPV, CTI, CVA, CYP, CZE*, D*, DJI*, DMA, DNK/FRO, DNK/GRL, DNK*, E/CNR*, E*, EGY*, ERI*, EST, ETH, F/AMS, F/CRO, F/GLP*, F/GUF, F/KER, F/MRT, F/MTY, F/REU*, F/SPM, F*, FIN*, G/ASC, G/DGA, G/FLK, G/GCA, G/GIB, G/SHN, G/TRC, G*, GAB, GEO, GHA, GMB, GNB*, GNE, GRC*, GRD, GUI, GUY, HNG, HOL, HRV*, I*, IND*, INS*, IRL*, IRN*, IRQ, ISL, ISR*, JOR*, KAZ, KEN, KGZ*, KWT*, LBN, LBR, LBY, LCA, LIE, LSO, LTU, LVA*, MAU/ROD, MAU, MCO, MDA, MDG, MKD*, MLA, MLD, MLI, MLT, MNE*, MNG, MOZ, MRC*, MTN, MWI, NGR, NIG*, NMB, NOR/BVT, NOR*, NPL, OMA*, PAK*, POL, POR/AZR, POR/MDR, POR*, PRG*, QAT*, ROU, RRW, RUS*, S*, SDN, SEN*, SEY, SMR, SOM, SRB*, SRL, SSD, STP, SU/I*, SUI*, SUR, SVK*, SVN*, SWZ, SYR*, TCD, TGO, THA, TJK, TKM, TRD, TUN, TUR*, TZA, UAE*, UGA, UKR, URG*, USA/D*, UZB, VCT, VEN, XZZ/AOE*, XZZ/XBY, XZZ/XGZ, XZZ/XWB, YEM*, ZMB, ZWE,		
X	9.21/A ¹	ARS/ARB, ARS, AUS, AZE, B, BEL, BLR, CAN, CHN, CYP, D, E, EGY, F, G, GRC, I, IND, INS, IRN, IRQ, ISR, J, KOR, MLA, NOR, PAK, PNG, QAT, RUS/IK, RUS, S, TUR, UAE, UKR, USA		
X	9.21/B ¹	ARG, ARS, CAN, E, RUS, USA		
X	9.21/C ¹	ARG, ARM, ARS, AZE, BEL, BLR, CAN, CHN, CZE, D, E, F, G, GRC, HNG, HRV, I, IRL, IRN, KAZ, KGZ, LTU, MDA, MRC, OMA, PRG, RUS, S, SEN, SVK, SVN, SYR, UKR, UZB		
	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表中记录的陆地指配重叠

*Перечисленные выше администрации имеют присвоение наземным станциям с перекрытием, записанным в Международном

*تتوفر للإدارات المذكورة تردد مخصص لخدمات الأرض يتراكب ومسجل في السجل الأساسي الدولي للترددات.

¹ 9.21/A, 9.21/B et 9.21/C – au titre du numéro 9.21/A, 9.21/B et 9.21/C – Under No. 9.21/A, 9.21/B and 9.21/C – De conformidad con el artículo 9.21/A, 9.21/B y 9.21/C – 根据第9.21款, 9.21/A, 9.21/B 和 9.21/C – в соответствии с пунктами 9.21/A, 9.21/B и 9.21/C – بموجب الرقم 9.21/A, 9.21/B و 9.21/C – بالنسبة إلى الأرض ومحطات الأرض على التوالي.

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¹ 9.21/A, 9.21/B and 9.21/C – Under No. 9.21/A, 9.21/B and 9.21/C – De conformidad con el artículo 9.21/A, 9.21/B y 9.21/C – 根据第9.21款, 9.21/A, 9.21/B 和 9.21/C – в соответствии с пунктами 9.21/A, 9.21/B и 9.21/C – بموجب الرقم 9.21/A, 9.21/B و 9.21/C – بالنسبة إلى الأرض ومحطات الأرض على التوالي.

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¹ 9.21/A, 9.21/B and 9.21/C – Under No. 9.21/A, 9.21/B and 9.21/C – De conformidad con el artículo 9.21/A, 9.21/B y 9.21/C – 根据第9.21款, 9.21/A, 9.21/B 和 9.21/C – в соответствии с пунктами 9.21/A, 9.21/B и 9.21/C – بموجب الرقم 9.21/A, 9.21/B و 9.21/C – بالنسبة إلى الأرض ومحطات الأرض على التوالي.

¹ 9.21/A, 9.21/B and 9.21/C – Under No. 9.21/A, 9.21/B and 9.21/C – De conformidad con el artículo 9.21/A, 9.21/B y 9.21/C – 根据第9.21款, 9.21/A, 9.21/B 和 9.21/C – в соответствии с пунктами 9.21/A, 9.21/B и 9.21/C – بموجب الرقم 9.21/A, 9.21/B و 9.21/C – بالنسبة إلى الأرض ومحطات الأرض على التوالي.

¹ 9.21/A, 9.21/B and 9.21/C – Under No. 9.21/A, 9.21/B and 9.21/C – De conformidad con el artículo 9.21/A, 9.21/B y 9.21/C – 根据第9.21款, 9.21/A, 9.21/B 和 9.21/C – в соответствии с пунктами 9.21/A, 9.21/B и 9.21/C – بموجب الرقم 9.21/A, 9.21/B و 9.21/C – بالنسبة إلى الأرض ومحطات الأرض على التوالي.

For Info
Forms of Coordination

Summary
Affected Administrations
(for info only, No. 9.36.1)
Must comment to be included
(Nos. 9.52C)

Summary

(Findings, Frequency Bands, Coordination Provisions, Cost Recovery)

SECTION SPECIALE / SPECIAL SECTION / SECCIÓN ESPECIAL / 特节 / СПЕЦИАЛЬНАЯ СЕКЦИЯ / القسم الخاص								
A	A1a Sat. Network	LUX-G9-5	A1f1 Notifying adm.	LUX	A1f3 Inter. sat. org.		BR1 Date of receipt	14
	BR6a/BR6b Id. no.	113520221	BR3a/BR3b Provision reference	9.6		C	BR2 Adm. serial no.	

Recouvrement des coûts / Cost recovery / Recuperación de costes / 成本回收 / Возмещение расходов / استرداد التكاليف

B1a Beam designation	B2 Emi-Rcp	BR8 Action code	BR7a Group id.	BR9 Action code	13A Conformity with RR	C3a Assigned freq. band	BR47 Frequency band (MHz)		BR15 Provision reference	BR53 Nb of freq.	C4a Class of station	BR54 Nb of emiss.	BR55 Nb of units
L1R	R		113713785	A-----	19000	1626.5	-	1645.5	9.13,9.7	1	EI	1	1
			113713786	A-----	14000	1646.5	-	1660.5	9.13,9.7	1	EI	1	1
			113713787	A-----	19000	1626.5	-	1645.5	9.13,9.7	1	EI	3	3
			113713788	A-----	14000	1646.5	-	1660.5	9.13,9.7	1	EI	3	3
			113713789	A-----	19000	1626.5	-	1645.5	9.13,9.7	1	EI	1	1
			113713790	A-----	14000	1646.5	-	1660.5	9.13,9.7	1	EI	1	1
LGU	R		113713791	A-----	19000	1626.5	-	1645.5	9.13,9.7	1	EI	1	1
			113713792	A-----	19000	1626.5	-	1645.5	9.13,9.7	1	EI	1	1
			113713793	A-----	14000	1646.5	-	1660.5	9.13,9.7	1	EI	1	1
			113713794	A-----	19000	1626.5	-	1645.5	9.13,9.7	1	EI	1	1
			113713795	A-----	14000	1646.5	-	1660.5	9.13,9.7	1	EI	1	1
			113713796	A-----	19000	1626.5	-	1645.5	9.13,9.7	1	EI	1	1
			113713797	A-----	14000	1646.5	-	1660.5	9.13,9.7	1	EI	1	1
			113713799	A-----	1000	1645.5	-	1646.5	9.13,9.7	1	EI	1	1
			113713799	A-----	14000	1646.5	-	1660.5	9.13,9.7	1	EI	1	1
			LUR	R		113713800	A-----	19000	1626.5	-	1645.5	9.13,9.7	1
113713801	A-----	14000				1646.5	-	1660.5	9.13,9.7	1	EI	4	4
113713802	A-----	19000				1626.5	-	1645.5	9.13,9.7	1	EI	2	2
113713803	A-----	14000				1646.5	-	1660.5	9.13,9.7	1	EI	1	1
113713804	A-----	14000				1646.5	-	1660.5	9.13,9.7	1	EI	2	2
113713805	A-----	19000				1626.5	-	1645.5	9.13,9.7	1	EI	1	1
113713806	A-----	14000				1646.5	-	1660.5	9.13,9.7	1	EI	1	1
113713807	A-----	14000				1646.5	-	1660.5	9.13,9.7	1	EI	1	1
113713808	A-----	19000				1626.5	-	1645.5	9.13,9.7	1	EI	1	1
113713809	A-----	19000				1626.5	-	1645.5	9.13,9.7	1	EI	1	1
113713810	A-----	14000				1646.5	-	1660.5	9.13,9.7	1	EI	1	1
113713811	A-----	19000				1626.5	-	1645.5	9.13,9.7	1	EI	3	3
113713812	A-----	14000				1646.5	-	1660.5	9.13,9.7	1	EI	3	3
113713813	A-----	19000				1626.5	-	1645.5	9.13,9.7	1	EI	3	3
113713814	A-----	14000				1646.5	-	1660.5	9.13,9.7	1	EI	3	3
113713815	A-----	19000				1626.5	-	1645.5	9.13,9.7	1	EI	1	1
113713816	A-----	14000				1646.5	-	1660.5	9.13,9.7	1	EI	1	1
113713817	A-----	19000				1626.5	-	1645.5	9.13,9.7	1	EI	1	1
113713819	A-----	14000				1646.5	-	1660.5	9.13,9.7	1	EI	1	1
113713819	A-----	19000				1626.5	-	1645.5	9.13,9.7	1	EI	5	5
113713820	A-----	19000	1626.5	-	1645.5	9.13,9.7	1	EI	1	1			
113713821	A-----	14000	1646.5	-	1660.5	9.13,9.7	1	EI	5	5			
RA1R	R		113713822	A-----	300000	18100	-	18400	9.7	1	EC	2	2
			113713823	A-----	300000	18100	-	18400	9.7	1	EC	2	2
			113713824	A-----	300000	18100	-	18400	9.7	1	EC	2	2

Coordination Requirements (Affected Administrations on a Group Level)

Beam designation	Emi/Rcp	Group id.	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:		
			Delta T/T Дельта T/T	Delta T/T Дельта T/T	Delta T/T دلتا T/T	Arc de coordination العتبة	Coordination Arc دугا координации	Arco de coordinación قوس التنسيق
TC1R	E	113713735	3				ARS/ARB CTI/RAS CYP D EGY F G ISR MLA NIG QAT RUS/IK RUS TUR UAE	
		113713736	3				ARS/ARB CTI/RAS CYP D EGY F G ISR MLA NIG QAT RUS/IK RUS TUR UAE	
		113713737	3				ARS/ARB CTI/RAS CYP D EGY F G ISR MLA NIG QAT RUS/IK RUS TUR UAE	
		113713738	3				ARS/ARB CTI/RAS CYP D EGY F G ISR MLA NIG QAT RUS/IK RUS TUR UAE	
		113713739	3				ARS/ARB CTI/RAS CYP D EGY F G ISR MLA NIG QAT RUS/IK RUS TUR UAE	
TL1R	E	113713740	1	ARS/ARB AUS BGD CHN HOL INS ISR MLA PAK RUS S TUR UAE USA				
		113713741	1	ARS/ARB AUS BGD CHN HOL INS ISR MLA PAK RUS S TUR UAE USA				
TS3R	E	113713742	2	BGD CYP GRC HOL IND J MLA NOR PAK RUS/IK RUS TUR UAE				
TTR	E	113713743	2	ARS/ARB B CAN CHN CYP F G GRC HOL INS ISR J KOR MLA NOR PAK QAT RUS S TUR UAE				
TU1R	E	113713744	11					
		113713745	11					
		113713746	11				NAU MLA QAT RUS/IK RUS TUR UAE	
		113713747	11				ARS/ARB CTI/RAS CYP CZE D EGY F/RUT F IRN ISR NAU MLA QAT RUS/IK RUS TUR UAE	
		113713960	11				ARS/ARB CTI/RAS CYP CZE D	

DT/T

Coordination Arc

CR/C/3454



II. Liste des réseaux à satellite (voir N° 9.36.2)
 二、卫星网络清单 (见第9.36.2款)

II. List of satellite networks (see No. 9.36.2)
 II. Список спутниковых сетей (см. п. 9.36.2)

II. Lista de redes de satélite (véase el N.º 9.36.2)
 II. قائمة بالشبكات الساتلية (انظر الرقم 2.36.9)

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)

Lista de redes de satélite para las que Delta T/T > 6% o que están dentro del arco de coordinación (según N.º 9.7)

Delta T/T > 6% 的卫星网络清单或位于协调弧内的卫星网络清单 (依据 9.7)

Список спутниковых сетей, для которых Дельта T/T > 6% или которые находятся внутри дуги координации (согласно № 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
ARG		ARSAT-C	81 W	C	A	110520406	C	R	
		ARSAT-D	81 W	C	A	113520066	C	R	
		P-P-SAT-1	81 W	C	A	99520008	C		
		P-P-SAT-1	81 W	N	A	105500330	C		
ARM		ARMSAT1	71.4 E	C	A	113520013	C	R	
ARS	ARB	ARABSAT 1-B	26 E	C	A	90500091			A
		ARABSAT 1-B	26 E	N	A	90500092			A
		ARABSAT 2-B	26 E	C	A	93520036			A
		ARABSAT 2-B	26 E	N	A	97500433			A
		ARABSAT 2-C	20 E	C	A	95520086			A
		ARABSAT 2-C	20 E	N	A	102500474			A
		ARABSAT 5A-30.5E	30.5 E	C	A	105520072	C	R	
		ARABSAT 5A-30.5E	30.5 E	N	A	110500040	C	R	
		ARABSAT 5A-30.5E	30.5 E	N	T	312500257	C	R	
		ARABSAT 5B-26E	26 E	C	A	105520073	C	R	A
		ARABSAT 5B-26E	26 E	N	A	111500061	C	R	A
		ARABSAT 5C-20E	20 E	C	A	105520074	C	R	A
		ARABSAT 5C-20E	20 E	N	A	111500210	C	R	A
		ARABSAT 5D-17E	17 E	C	A	109520057	C	R	A
		ARABSAT 6E-34	34 E	C	A	05520076	C	R	A
		ARABSAT 6E-34	34 E	C	A	11500139	C	R	A
		ARABSAT 7A-30	30 E	C	A	09520112	C	R	A
		ARABSAT 7B-26E	26 E	C	A	09520113	C	R	A
		ARABSAT 7C-20E	20 E	C	A	09520114	C	R	A
		ARABSAT 7D-7.5E	7.5 E	C	A	09520115	C	R	A
		ARABSAT 7E-34	34 E	C	A	09520116	C	R	A
		ARABSAT 7F-44	44 E	C	A	09520117	C	R	A
		ARABSAT 7F-44	44 E	C	A	13500044	C	R	
		ARABSAT 7G-11E	11 E	C	A	09520118	C	R	A
		ARABSAT 8A-30	30 E	C	A	13520014	C	R	A
		ARABSAT 8B-26E	26 E	C	A	13520015	C	R	A
		ARABSAT 8C-20E	20 E	C	A	13520016	C	R	A

**Coordination
 Requirements
 (Affected Networks on a
 Network Level)**

CR/C/3454

C

Coordination

COMMENTS BY ADMINISTRATION

Comments Submission Under No. 9.52 (Nos. 9.7, Ap30#7.1, Ap30A#7.1) - Mandatory

Inform requesting administration and BR within 4 months, agree (No. 9.51) or disagree with reasons (No. 9.52)

If no reply or fails to provide information, requesting administration may seek BR assistance (No. 9.60)

C

Coordination

COMMENTS BY ADMINISTRATION

Comments Submission Under No. 9.52 (Nos. 9.11, 9.11A, 9.21) - For Info



Comment within 4 months else unaffected, cannot claim protection or cause harmful interference (No. 9.52C)



Send comments to BR using Spacecom (Res 55)
Identified Administrations can confirm or cancel need for coordination with notifying administration
If not identified, Administrations can request inclusion with justification
BR publishes CR/D in BR IFIC (No. 9.53A)

C

Coordination

COMMENTS BY ADMINISTRATION

Comments Submission Under No. 9.41

Inclusion/Exclusion Of Administrations/Networks
(Subject to Coordination Arc*)

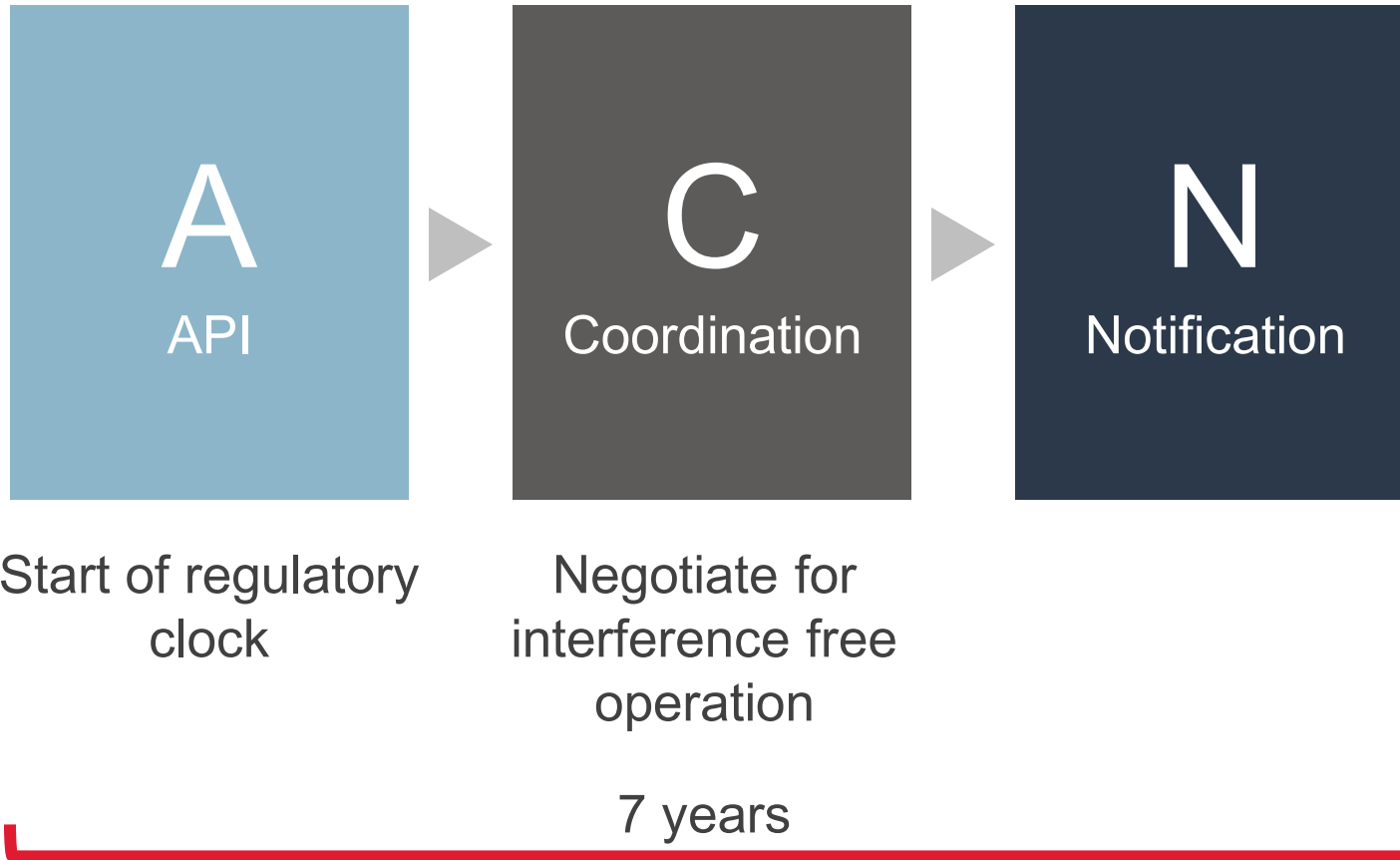


Comment within 4 months else unaffected, cannot claim protection or cause harmful interference (No. 9.43)



Send comments to BR using Spacecom (Res 55)
Provide DT/T calculations for 1 pair of assignments
DT/T > 6% to include networks located beyond CA
DT/T ≤ 6% to exclude networks within CA
BR publishes CR/E or CR/C MOD in BR IFIC (No. 9.42)

Non-planned Procedures (Articles 9 & 11)



N

Notification

N

Notification

NOTIFICATION

Sections I and II of Article 11

Purpose: To record frequency assignments in MIFR for international recognition

N

Notification

NOTIFICATION



Send to BR, information in Appendix 4, Annex 2 (No. 11.15)
BR publishes

- “as received” in ITU SNL webpage (Res 55)
- Part I-S in BR IFIC within 2 months as acknowledgement (No. 11.28)

BR examines conformity with

- RR based on Notification date of receipt (No. 11.31)
- Coordination procedures based on CR date of receipt (No. 11.32, 7.4A)

If coordination not completed, request BR to assess probability of harmful interference (C/I for No. 9.7) (No. 11.32A)

N

Notification

NOTIFICATION

Unfavourable

BR returns to administration (Nos. 11.36, 11.37 or 11.38)

BR publishes Part III-S in BR IFIC



Resubmit to record in MIFR (No. 11.41) if efforts have been made to effect coordination (No. 11.41.2)

Favourable

BR publishes Part II-S in BR IFIC

BR records in MIFR (Nos. 11.37 or 11.38)

Right to international recognition, assignments taken into account by others administrations to avoid harmful interference (No. 8.3)

N

Notification

NOTIFICATION



Date of Receipt

- Not earlier than 3 years before BIU (No. 11.25)
- Within BIU + 120 days (No. 11.44B)
- Within API date of receipt + 7 years (No. 11.44.1), else cancellation (No. 11.48)
- If notification before DBIU, provisional entry. Must confirm BIU, else cancellation (No. 11.47)
- Resubmissions within 6 months of return, else new date of receipt (No. 11.46), new cost recovery
- If new date of receipt > API date of receipt + 7 years, not receivable

Cover page of Part I-S (Acknowledgement)



UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS
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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATELITE		INSAT-NAV(55)		PARTIE PART PARTE	I-S
STATION TERRIENNE EARTH STATION ESTACION TERRENA		---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2763 / 18.02.2014
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	IND	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	55 E	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	113500180
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					06.11.2013

Notifications reçues au titre de		Notifications received under		Notificaciones recibidas en virtud de lo dispuesto en	
<input checked="" type="checkbox"/>	Article 11 du Règlement des radiocommunications	<input checked="" type="checkbox"/>	Article 11 of the Radio Regulations	<input checked="" type="checkbox"/>	Artículo 11 del Reglamento de Radiocomunicaciones
	Article 5 des Appendices 30 et/ou 30A		Article 5 of Appendices 30 and/or 30A		Artículo 5 de los Apéndices 30 y/o 30A
	Article 8 de l'Appendice 30B		Article 8 of Appendix 30B		Artículo 8 del Apéndice 30B

Pour plus d'informations sur les dispositions réglementaires et l'explication des codes ou symboles utilisés dans cette publication, veuillez consulter la Préface .	For more details on the regulatory provisions and the explanation of the codes or symbols used in this publication, please consult the Preface .	Para más detalles sobre las disposiciones reglamentarias y la explicación de los códigos o símbolos utilizados en esta publicación, sírvase consultar el Prefacio .
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PARTIE I-S / PART I-S / PARTE I-S / 第I-S部分 / ЧАСТЬ I-S / I-S: الجزء I-S										
A	A1a Sat. Network	INSAT-NAV(55)	A1f1 Notifying adm.	IND	A1f3 Inter. sat. org.		BR1 Date of receipt	06.11.2013	BR20/BR21 BR IFIC no./part	2763/1
BR6a/BR6b Id. no.		113500180	BR3a/BR3b Provision reference		11.2	N	BR2 Adm. serial no.			

Résumé / Summary / Resumen / 综述 / Резюме / خلاصة

B1a Beam designation	B2 Emi-Rcp	BR8 Action code	BR7a Group id.	BR9 Action code	C3a Assigned freq. band	BR47 Frequency band (MHz)	BR53 Nb of freq.	C4a Class of station	BR54 Nb of emiss.
CR1	R		113705999		18000	6706.42 - 6724.42	1	EC	1
			113706002		24000	6664.45 - 6688.45	1	EC	1
LT1	E		113706000		18000	1566.42 - 1584.42	1	EN	1
LT2	E		113706001		24000	1164.45 - 1188.45	1	EN	1



Summary
(Frequency Bands)



PARTIE I-S / PART I-S / PARTE I-S / 第I-S部分 / 4ACT5 I-S / I-S

A	A1a Sat. Network	INSAT-NAV(55)	A1f1 Notifying adm.	IND	A1f3 Inter. sat. org.		BR1 Date of receipt	06.11.2013	BR20/BR21 BR IFIC no./part	2763/1
	BR6a/BR6b Id. no.	113500180	BR3a/BR3b Provision reference	11.2	N	BR2 Adm. serial no.		CR1	R	

A1f2 Submitted on behalf

A4a1 Orbit long. tolerance limit A4a2b West Long. tolerance limit A4a2c Inclination excursion

A17a Com

A17b1 Cal dB(W/(m²·10 MHz))

A17b2 Cal dB(W/(m²·150 kHz))

A17d Meas dB(W/(m²·1 MHz))

A17e2a Calculated PFD value in the band 42.5 - 43.5 GHz at RA SDT dB(W/(m²·1 GHz))

A17e2b Calculated PFD value in the band 42.5 - 43.5 GHz at RA SDT dB(W/(m²·500 kHz))

A17e2c Calculated PFD value in the band 42.5 - 43.5 GHz at RA VLBI dB(W/(m²·500 kHz))

A16a Compliance with off-axis power limitation A18a Aircraft earth station commitment

B1a/BR17 Beam designation	CR1	B1b Steerable		B2 Emi-Rcp	R	B3a1 Max. co-polar gain	29.8	B3d Pointing accuracy	0.2
---------------------------	-----	---------------	--	------------	---	-------------------------	------	-----------------------	-----

B3b1 Co-polar ant. gain contours diag. B3e Ant. gain vs orbit long. diag.

B3c1 Co-polar antenna pattern				
Co-polar ref. pattern	Coef. A	Coef. B		Co-polar rad. diag.

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

A2a Date of bringing into use A2b Period of valid. A3a Op. agency A3b Adm. resp. BR16 Value of type C8b

BR62 Expiry date for bringing into use BR63 Confirmed date of bringing into use BR64 Date of receipt of 1st Res49

BR14 Special Section

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

C4b Nature of service C6a Polarization type C6b Polarization angle

C11a1 Service area no. C11a2 Service area C11a3 Service area diagram

A5/A6 Coordinations/Agreements

C2a1 Assigned frequency

6715.42	MHz																		
---------	-----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

A13 Ref. to Special Sections	C7a Design. of emission	C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak	C8c2	C8c3	C8c4	C8e1	C8e2
API/A /4526 CR/C /2123	1 18M0GXW--	35.5	-37.1	14					

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.	C10c2 Ctry	C10d1/C10d2 Cls. / Nat.	C10d3 Max. iso. gain	C10d4 Bmwidth	width =
INLUS-C	T			1 TC OT	55	0.29	width

C10d5a Co-polar antenna pattern							
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
INLUS-C	REC-580-6						

13C Remarks

DBIU
(Date of Bringing into Use)

Details
(Frequency Assignments)

Coordination
(Completed)



Cover page of Part III-S (Unfavourable, return to Administration)



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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		MEASAT-46E-R		PARTIE PART PARTE		III-S	
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA		2763 / 18.02.2014	
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	MLA	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	46 E	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN		113500125	
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL						06.08.2013	

Assignations de fréquence retournées à l'administration notificatrice au titre de		Frequency assignments returned to the notifying Administration under		Asignaciones de frecuencia devueltas a la Administración notificante en virtud del	
X	Article 11 du Règlement des radiocommunications	X	Article 11 of the Radio Regulations	X	Artículo 11 del Reglamento de Radiocomunicaciones
	Article 5 des Appendices 30 et/ou 30A		Article 5 of Appendices 30 and/or 30A		Artículo 5 de los Apéndices 30 y/o 30A
	Article 8 de l'Appendice 30B		Article 8 of Appendix 30B		Artículo 8 del Apéndice 30B

<p>Pour plus d'informations sur les dispositions réglementaires et l'explication des codes ou symboles utilisés dans cette publication, veuillez consulter la Préface.</p>	<p>For more details on the regulatory provisions and the explanation of the codes or symbols used in this publication, please consult the Preface.</p>	<p>Para más detalles sobre las disposiciones reglamentarias y la explicación de los códigos o símbolos utilizados en esta publicación, sírvase consultar el Prefacio.</p>
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PARTIE III-S / PART III-S / PARTE III-S / 第III-S部分 / 4ACTb III-S / III-S:الجزء

A1a Sat. Network A1f1 Notifying adm. A1f3 Inter. sat. org. BR1 Date of receipt BR20/BR21 BR IFIC no./part
 BR6a/BR6b Id. no. BR3a/BR3b Provision reference N BR2 Adm. serial no. R C1R R

BR19 Ref. to BR IFIC I

A1f2 Submitted on behalf

A4a1 Orbital long. BR61 Original orb. long. A4a2a East Long. tolerance limit A4a2b West Long. tolerance limit A4a2c Inclination excursion

A17a Compliance with PFD limit dB(W/(m²·1MHz)) in the band 1164 - 1215 MHz

A17b Compliance with PFD limit dB(W/(m²·10 MHz))

A17c Compliance with PFD limit dB(W/(m²·150 kHz))

A17d Compliance with PFD limit dB(W/(m²·1 MHz))

A17e Compliance with PFD limit dB(W/(m²·1 GHz))

A17f Compliance with PFD limit dB(W/(m²·500 kHz))

A17g Compliance with PFD limit dB(W/(m²·500 kHz))

commitment

B2 Emi-Rcp B3a1 Max. co-polar gain B3d Pointing accuracy

Co-polar rad. diag.

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

A2a Date of bringing into use A2b Period of valid. A3a Op. agency A3b Adm. resp. BR16 Value of type C8b

BR62 Expiry date for bringing into use BR63 Confirmed date of bringing into use BR64 Date of receipt of 1st Res49

BR14 Special Section

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

C4b Nature of service C6a Polarization type C6b Polarization angle

C11a1 Service area no. C11a2 Service area C11a3 Service area diagram

A5/A6 Coordinations/Agreements CHN BGY HOL LUX MCO NIG SEY THA TUR UAE
 CYP D IND PAK RUS

C2a1 Assigned frequency

5950	MHz	6050	MHz	6150	MHz	6250	MHz	6350	MHz	6450	MHz	6550	MHz	6650	MHz
6000	MHz	6100	MHz	6200	MHz	6300	MHz	6400	MHz	6500	MHz	6600	MHz	6700	MHz

A13 Ref. to Special Sections		C7a Design. of emission	C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Attech.	C8c3 Min. pwr dens.	C8c4 Attech.	C8e1 C/N ratio	C8e2 Attech.
API/A	/4362	1 36M0G7W--	37.1	-37.7	17		-57.8		8.4	
CR/C	/2012	2 28M8G7W--	31.5	-42.3	14.2		-59.6		8.3	
		3 14M4G7W--	32.4	-38.4	11.2		-59.6		9.3	
		4 5M90G7W--	28.5	-38.4	7.3		-59.6		9.3	
		5 1M48G2W--	22.5	-38.4	1.3		-59.6		9.3	
		6 370K02W--	16.5	-38.4	-4.7		-59.6		9.3	
		7 92K2G2W--	10.4	-38.4	-10.7		-59.6		9.3	
		8 46K0G2W--	7.4	-38.4	-13.8		-59.6		9.3	

Frequency Assignments
(Unfavourable, return to Administration)



Cover page of Part II-S (Recording in MIFR)



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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		USASAT-550		PARTIE PART PARTE	II-S
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2763 / 18.02.2014
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	USA	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	50 W	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NUMERO DE IDENTIFICACIÓN	113500138
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					22.08.2013

Assignations de fréquence inscrites dans le Fichier de référence au titre de		Frequency assignments recorded in the Master Register under		Asignaciones de frecuencia inscrites en el Registro con arreglo al título de	
X	Article 11 du Règlement des radiocommunications	X	Article 11 of the Radio Regulations	X	Artículo 11 del Reglamento de Radiocomunicaciones
	Article 5 des Appendices 30 et/ou 30A		Article 5 of Appendices 30 and/or 30A		Artículo 5 de los Apéndices 30 y/o 30A
	Article 8 de l'Appendice 30B		Article 8 of Appendix 30B		Artículo 8 del Apéndice 30B

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R A1a Sat. Network A1f1 Notifying adm. A1f3 Inter. sat. org. BR1 Date of receipt BR20/BR21 BR IFIC no./part
 BR6a/BR6b Id. no. BR3a/BR3b Provision reference N BR2 Adm. serial no. CMD R

BR19 Ref. to BR IFIC I

A1f2 Submitted on behalf

A4a1 Orbital long. BR61 Original orb. long. A4a2a East Long. tolerance limit A4a2b West Long. tolerance limit A4a2c Inclination excursion

A17a Compliance with PFD limit dB(W/(m²·1MHz)) in the band 1164 - 1215 MHz

A17b1 Calculated aggregate PFD value in the band 4990.0 - 5000.0 MHz dB(W/(m²·10 MHz))

A17b2 Calculated aggregate PFD value in the band 5030.0 - 5150.0 MHz dB(W/(m²·150 kHz))

A17d Mean PFD in the band 35.5 - 36.0 GHz dB(W/(m²·1 MHz))

dB(W/(m²·1 GHz))

dB(W/(m²·500 kHz))

dB(W/(m²·500 kHz))

commitment

B2 Emi-Rcp B3a1 Max. co-polar gain B3d Pointing accuracy

Co-polar rad. diag.

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

A2a Date of bringing into use A2b Period of valid. A3a Op. agency A3b Adm. resp. BR16 Value of type C8b

BR62 Expiry date for bringing into use BR63 Confirmed date of bringing into use BR64 Date of receipt of 1st Res49

BR14 Special Section

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

C4b Nature of service C6a Polarization type C6b Polarization angle

C11a1 Service area no. C11a2 Service area C11a3 Service area diagram

A5/A6 Coordinations/Agreements CYP J RUS/IK UAE
B HOL

C2a1 Assigned frequency

GHz GHz

A13 Ref. to Special Sections		C7a Design. of emission	C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Attach.	C8c3 Min. pwr dens.	C8c4 Attach.	C8e1 C/N ratio	C8e2 Attach.
API/A	/5882	1 700KP2D--	33.1	-21.7	14.2		-40.6		35.7	
CR/C	/2626									

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.	C10c2 Ctry	C10d1/C10d2 Cls. / Nat.	C10d3 Max. iso. gain	C10d4 Bmwidth	C10d7 Ant. diameter	C10d9 Ant. dim. (DGSO)	C8g1 Max. aggr. pwr.	C8g2 Aggr. bandwidth	C8g3 Transp. bandwidth = Aggr. bandwidth
TYPICAL K9.0M	T			1 TD CV	60.2	0.16	9				

Frequency Assignments
(Recorded in MIFR)



BRINGING INTO USE



Within API date of receipt + 7 years (No. 11.44), else cancellation (No. 11.48)



Inform BR through notification (A.2.a of Appendix 4)
Status available on ITU BR bringing into use webpage

Confirmation for GSO (No. 11.44B)

Maintained at orbital position continuously for 90 days

Capability of transmitting/receiving

Inform BR between 90 and 120 days of BIU

BR changes assignment status to “Confirmed BIU”

BRINGING INTO USE

Based on “reliable information” (No. 13.6)

- BR checks recorded assignments in MIFR and declared BIU
- If not BIU, no longer in use or not in accordance with notified characteristics, BR consults and requests clarification
- 3 months to respond, then 2 x 1 month reminders
- RRB to decide to cancel, modify or investigate

DD

DUE DILIGENCE

Resolutions 49 and 552

Purpose: To address problem of reservation of orbit and spectrum capacity without actual use



Within API date of receipt + 7 years, else cancellation
(No.11.48)

Applicable to FSS/BSS/MSS subject to coordination (Res 49)
Applicable to BSS in 21.4 – 22 GHz (Res 552)



Send to BR information in Annex 2, Resolutions 49 or 552
BR publishes RES49 or RES552 in BR IFIC

RES49 (Administrative Due Diligence)



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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		USASAT-55J		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	RES49/1719
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	USA	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	1 W	BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2763 / 18.02.2014
NUMÉRO D'IDENTIFICATION LIÉ LINKED IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN ASOCIADO		107520201		NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	114590006
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					17.01.2014

	Les renseignements ont été reçus conformément aux § 4, 5 ou 6 de l'annexe 1 à la Résolution 49. Ils sont publiés par le Bureau des radiocommunications en application du § 8 de cette même annexe.	This information has been received pursuant to § 4, 5 or 6 of Annex 1 to Resolution 49. It is published by the Radiocommunication Bureau in accordance with § 8 of that Annex.	La información ha sido recibida de conformidad con los § 4, 5 ó 6 del Anexo 1 a la Resolución 49. Se publica por la Oficina de Radiocomunicaciones en virtud del § 8 de este anexo.
	Ces renseignements sur le réseau à satellite sont soumis dans le cadre de	This information is submitted on the satellite network within the scope of	Las informaciones en la red de satélite están sometidas en el cuadro del
X	§ 1		
	§ 2	Annexe 1 à la Résolution 49	Anexo 1 a la Resolución 49
	§ 3		

Informations détaillées aussi disponibles sur:
- les bases de données SRS ou SPS que l'on peut consulter à l'aide du logiciel SpaceQry
ou
- Space Network Systems Online Service: <http://www.itu.int/sns/>

Detailed information also available on the:
- SRS or SPS databases which can be viewed using SpaceQry software
or
- Space Network Systems Online Service: <http://www.itu.int/sns/>

Información detallada también disponible en:
- las bases de datos SRS o SPS que pueden consultarse utilizando el programa SpaceQry
o
- Space Network Systems Online Service: <http://www.itu.int/sns/>

A A1a Sat. Network A1f1 Notifying adm. A1f3 Inter. sat. org. BR1 Date of receipt
 BR6a/BR6b Id. no. BR6c Linked Id. no. BR3a Provision reference BR2 Adm. serial no.

A4a1 Orbital long.

BR41 Commercial name

BR30 Spacecraft manufacturer

BR31 Date of execution of the contract BR32 Contractual delivery window From: To: BR33 Number of satellites procured

BR34 Launch vehicle provider BR35 Launch vehicle

BR36 Date of execution of the contract BR37 Anticipated launch or delivery window From: To:

BR38 Launch facility BR39 Country / location BR40 Geographical coordinates

C1 Frequency Range			BR1	
C1a Lower limit		C1b Upper limit		Date of receipt
13750	MHz	13770	MHz	17.01.2014
13757	MHz	13793	MHz	17.01.2014
13780	MHz	14000	MHz	17.01.2014

BR22 Administration remarks

BR23 Radiocommunication Bureau comments

Details
 (Spacecraft manufacturer,
 Launch provider)



RES552

(BSS 21.4 – 22 GHz)



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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		SIRIUS-5E-2		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	RES552/6
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2758 / 26.11.2013
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	S	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	5 E	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	113593001
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					31.01.2013

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.

Informations détaillées aussi disponibles sur:

- les bases de données SRS ou SPS que l'on peut consulter à l'aide du logiciel SpaceQry
- ou
- Space Network Systems Online Service: <http://www.itu.int/sns/>

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- SRS or SPS databases which can be viewed using SpaceQry software
- or
- Space Network Systems Online Service: <http://www.itu.int/sns/>

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- las bases de datos SRS o SPS que pueden consultarse utilizando el programa SpaceQry
- o
- Space Network Systems Online Service: <http://www.itu.int/sns/>

Additional Information (ITU ID Number, Regulatory status)

F = First BIU, S = Suspended, R = Resumed

RES552/6

org. [] BR1 Date of receipt 31.01.2013

BR2 Adm. serial no. []

A4a1 Orbital long. 5 E BR4 First date of bringing into use 23.06.2010

BR6c Linked Id. no. API: 106540170 CR: 107520044 NOTIF: 113500012

A13 Ref. to Special Sections API: API/A/4120 CR: CR/C/1949 NOTIF: PART I-S (2746)

C1 Frequency Range in the relevant special section		BR1	
C1a Lower limit	C1b Upper limit	Date of receipt	
21500 MHz	21750 MHz	31.01.2013	
21999 MHz	22000 MHz	31.01.2013	

BR85 Spacecraft ITU ID 113693001 BR86 Regulatory status F BR87 Date of regulatory status 23.06.2010

BR30 Spacecraft manufacturer LOCKHEED MARTIN

BR31 Date of execution of the contract 11.01.2005 BR90 Delivery date 19.10.2007

BR34 Launch vehicle provider ILS BR35 Launch vehicle PROTON

BR36 Date of execution of the contract 11.04.2005 BR91 Launch date 18.11.2007

BR38 Launch facility BAIKONUR BR39 Country / location KAZ BR40 Geographical coordinates 063E15 36 45N37 48

BR41 Commercial name ASTRA 4A

Frequency Range on board of the spacecraft			
BR94 Lower limit		BR95 Upper limit	
21.5 GHz		21.75 GHz	

BR85 Spacecraft ITU ID 213693001 BR86 Regulatory status F BR87 Date of regulatory status 19.07.2012

BR30 Spacecraft manufacturer SPACE SYSTEMS LORAL

BR31 Date of execution of the contract 07.10.2008 BR90 Delivery date 18.07.2012

BR34 Launch vehicle provider ILS BR35 Launch vehicle PROTON M BREEZE M

BR36 Date of execution of the contract 14.10.2008 BR91 Launch date 10.07.2012

BR38 Launch facility BAIKONUR BR39 Country / location KAZ BR40 Geographical coordinates 063E15 36 45N37 48

BR41 Commercial name SES-5

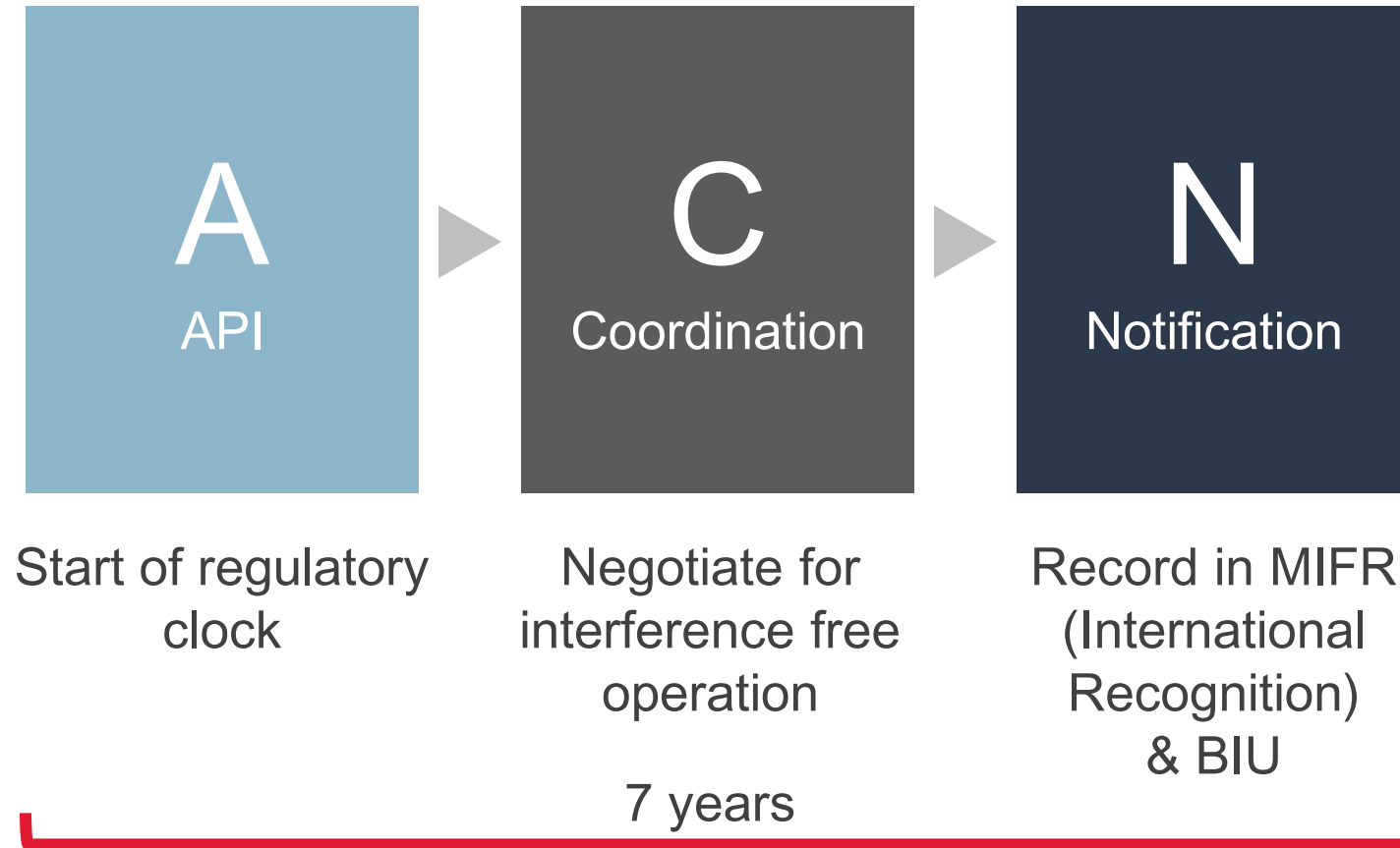
Frequency Range on board of the spacecraft			
BR94 Lower limit		BR95 Upper limit	
21.999 GHz		22 GHz	

BR22 Administration remarks []

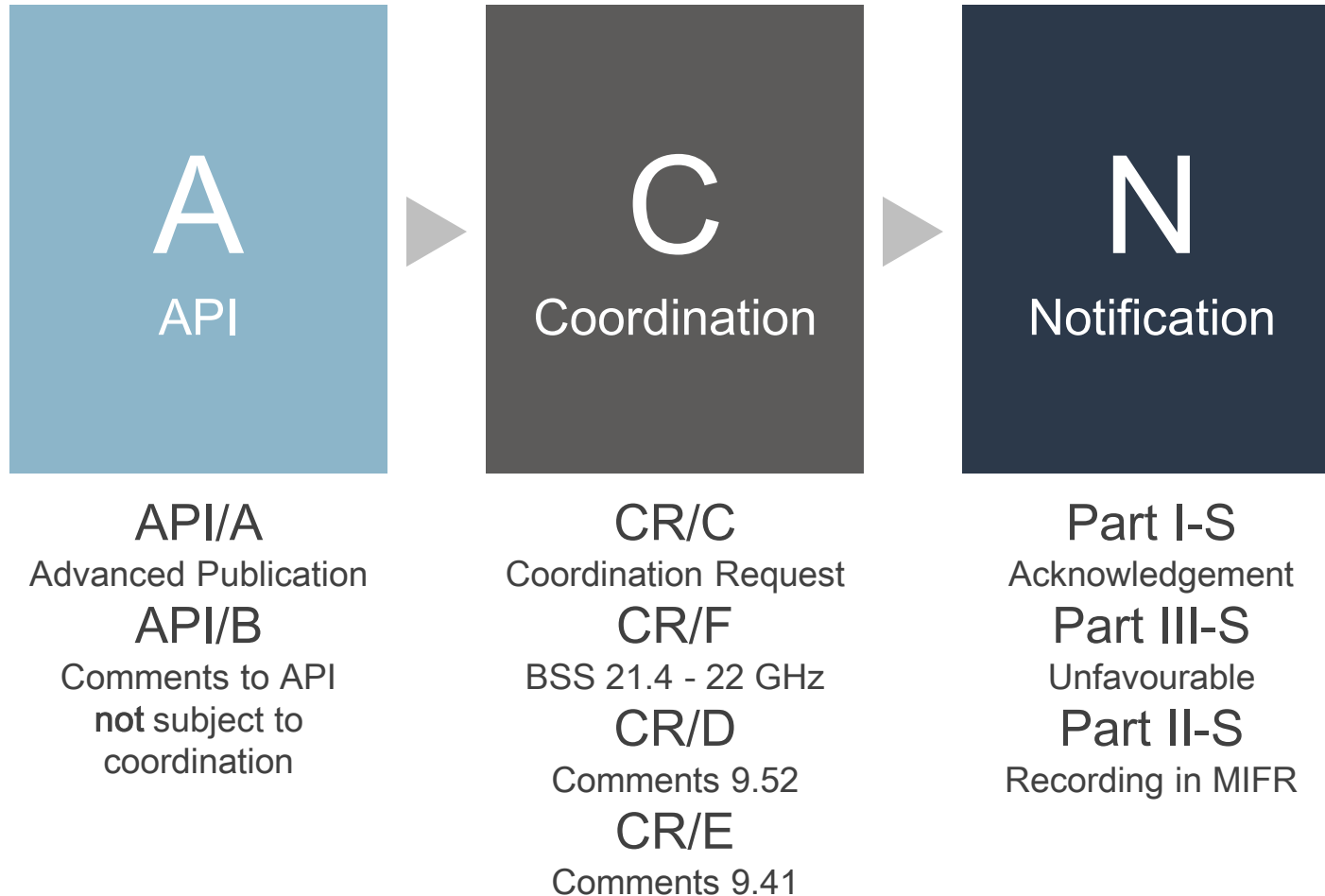
BR23 Radiocommunication Bureau comments []

Details
(Spacecraft manufacturer,
Launch provider)

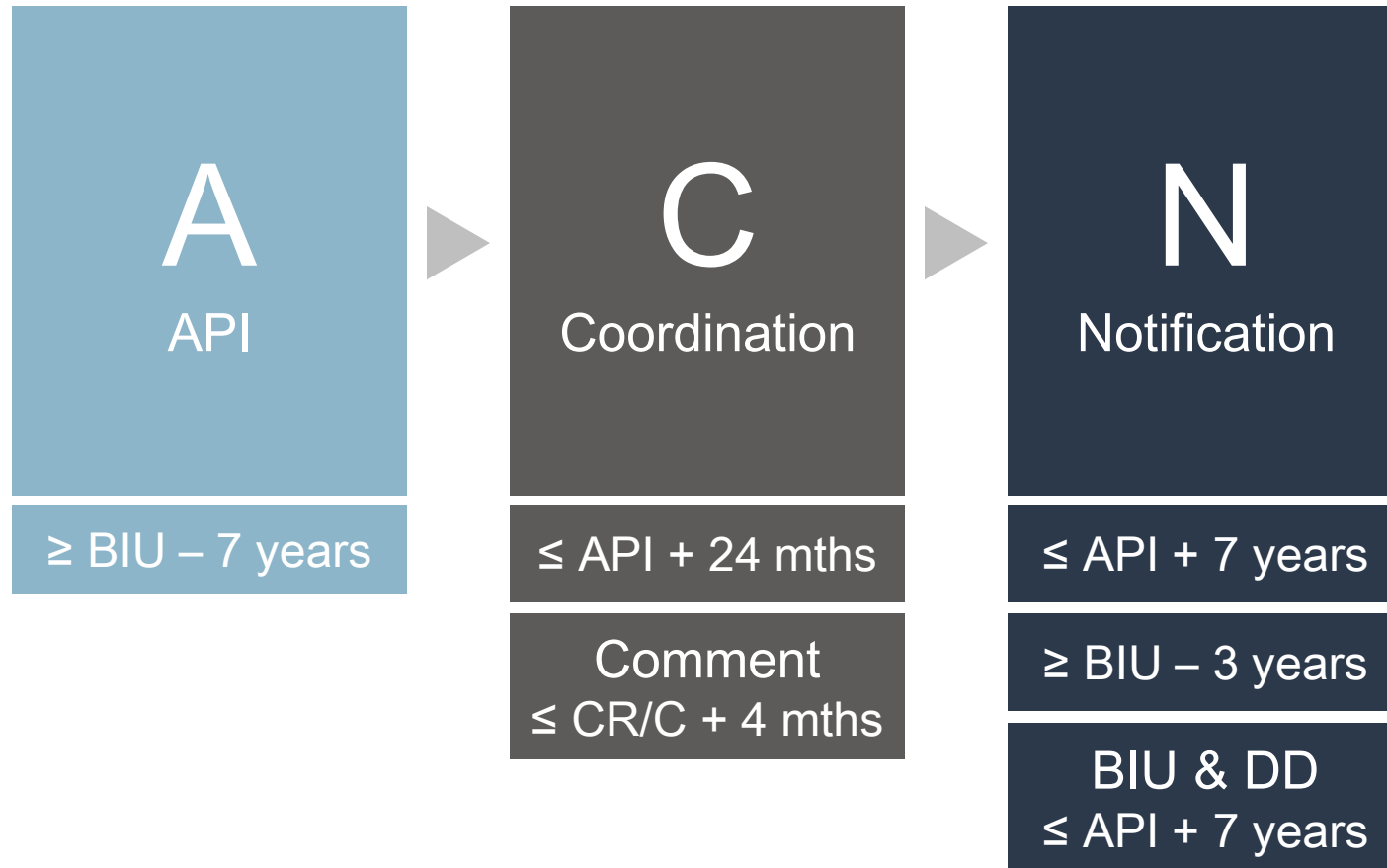
Non-planned Procedures (Articles 9 & 11)



Publications

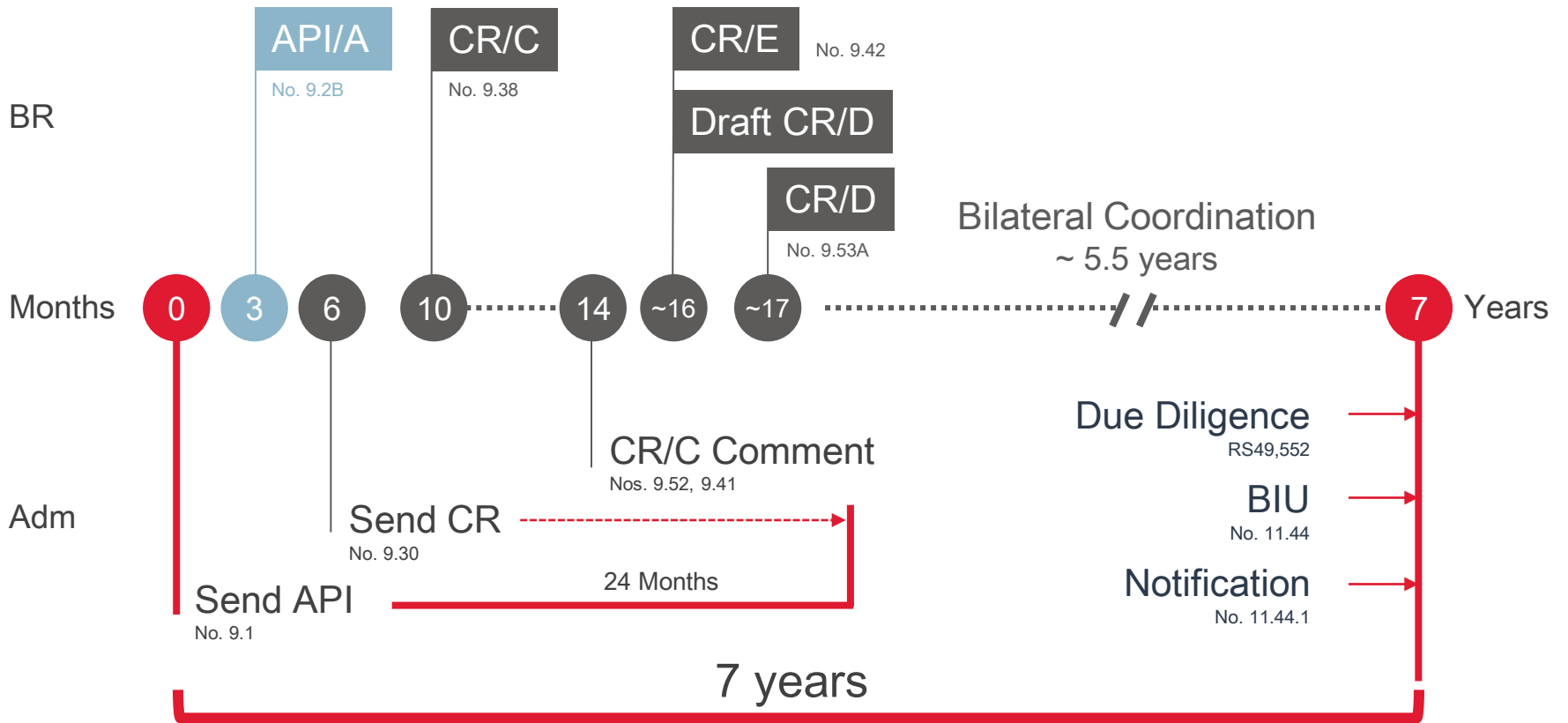


Important Deadlines

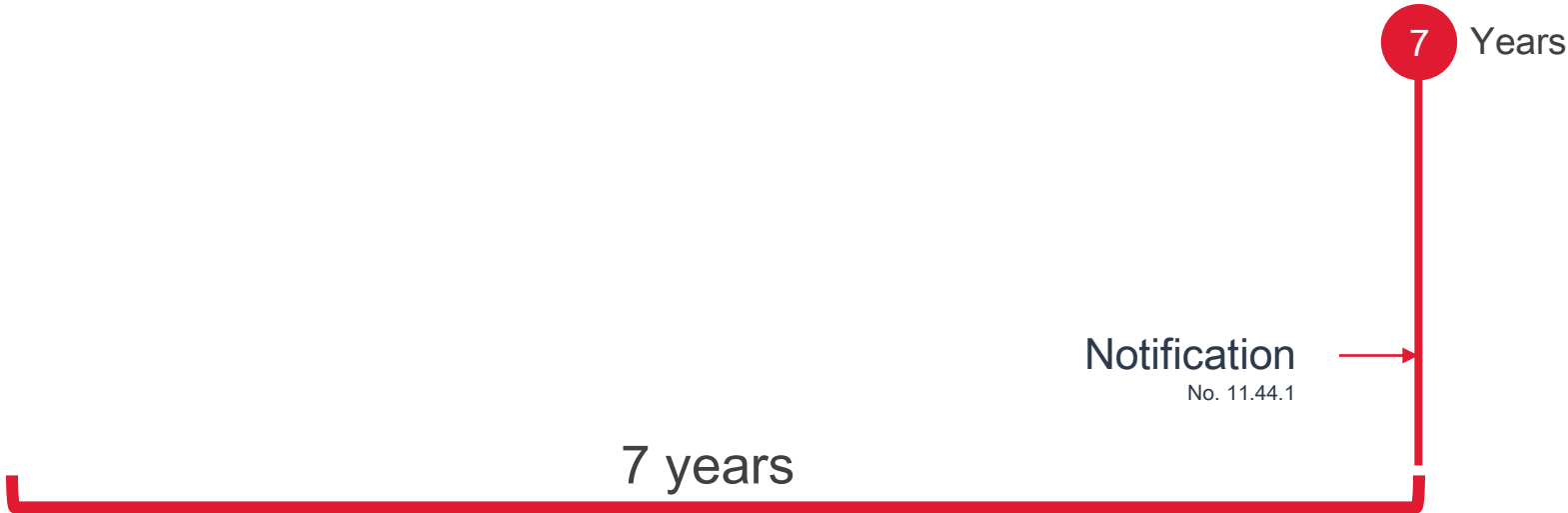


Source: Nos. 9.1, 9.5D, 9.52C, 9.43, 11.44.1, 11.25, 11.44 of Radio Regulations

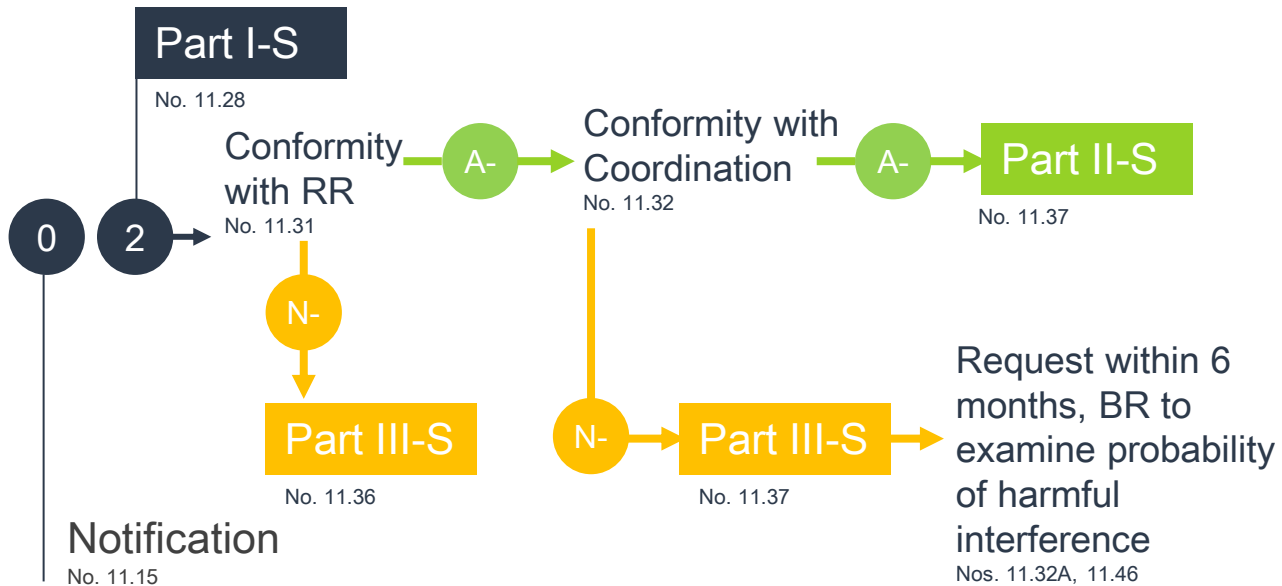
Process Timeline



Notification



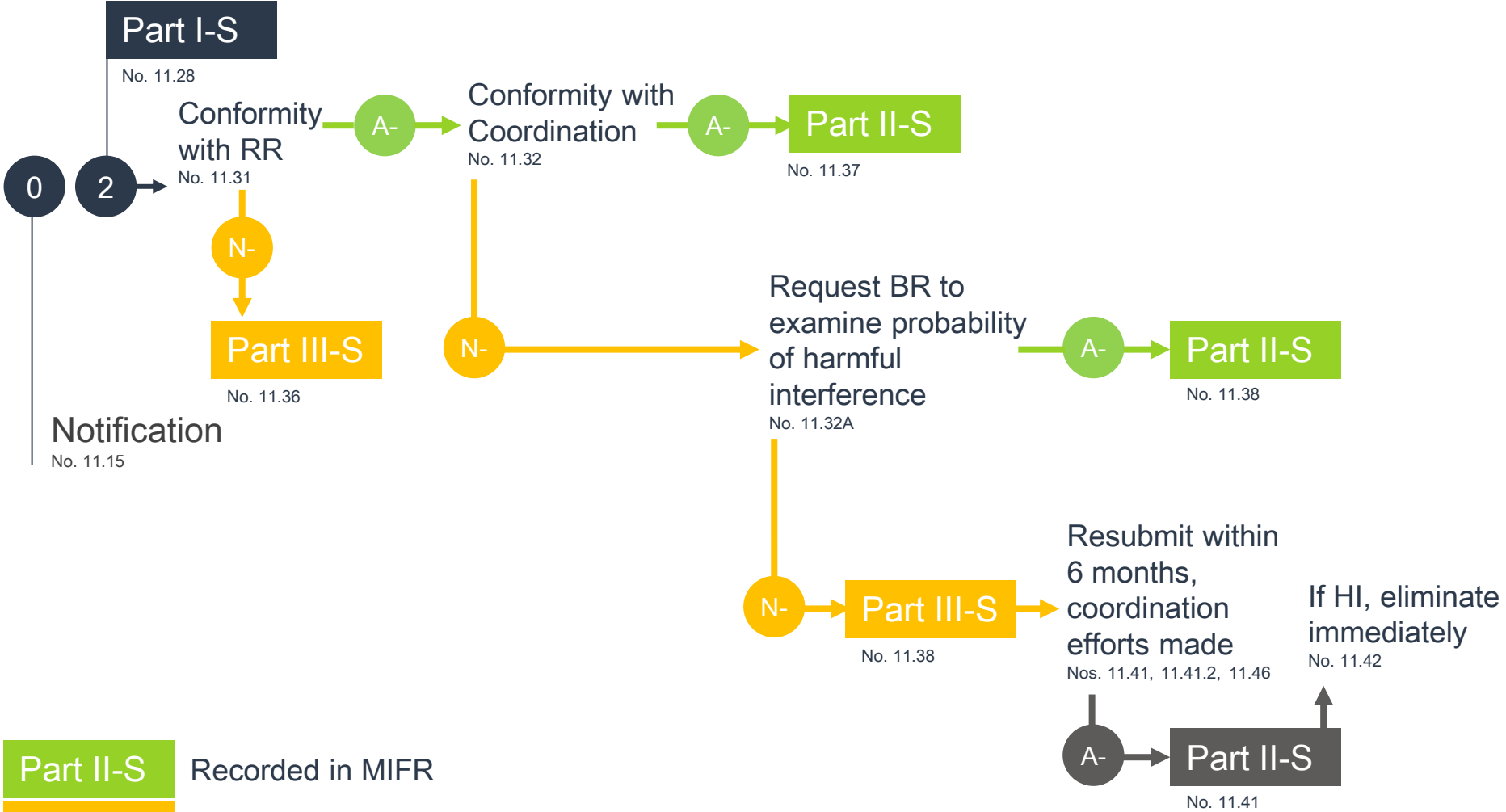
Notification



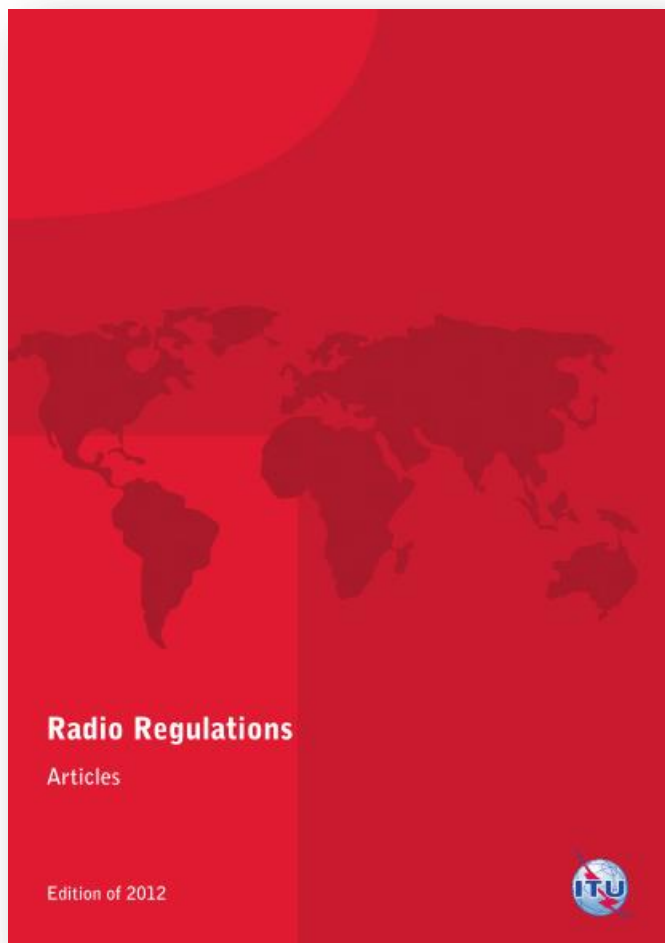
Part II-S Recorded in MIFR

Part III-S Returned to Administration

Notification



- Part II-S
 Recorded in MIFR
- Part III-S
 Returned to Administration



FINAL POINTS

- Non-planned procedure is a 3 step process
- 7 year time limit from API date of receipt
- International recognition rights through recording in MIFR

Overview

Non-Planned Procedures

Hon Fai Ng

Space Services Department

