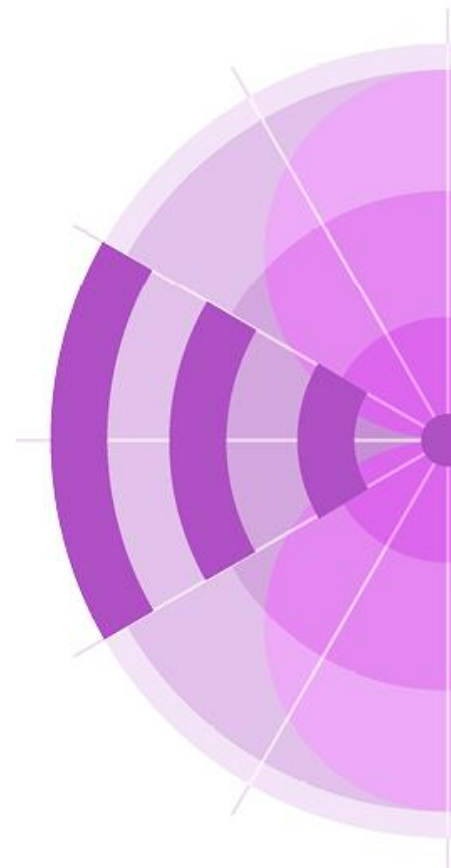


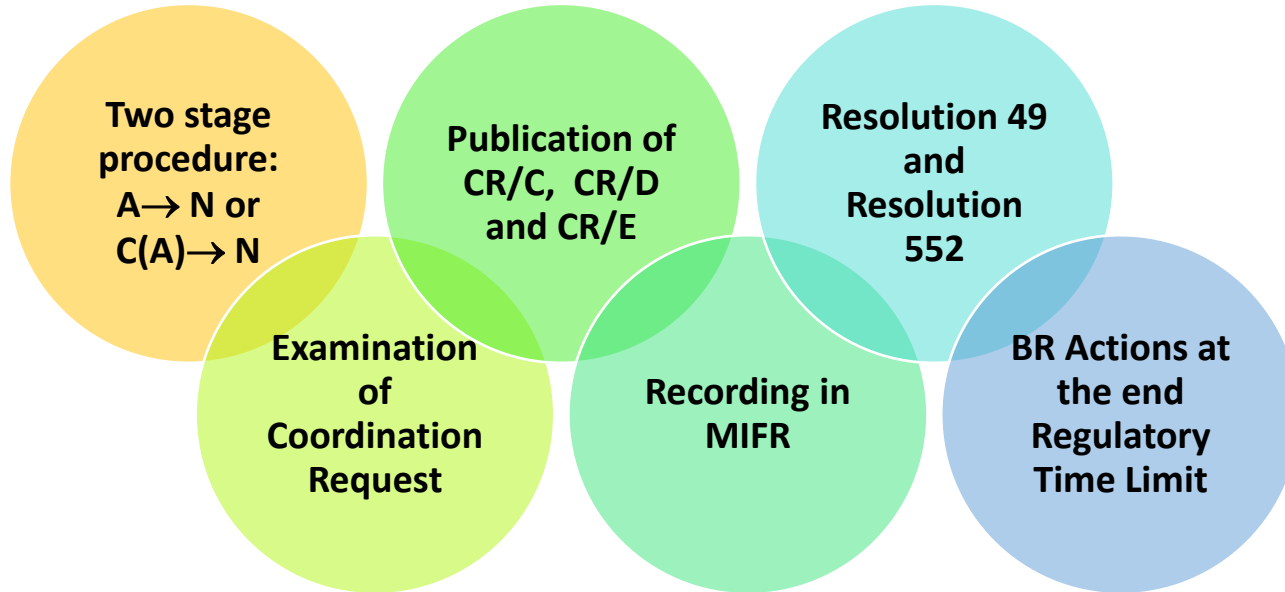
ITURRS
ASIA-PACIFIC2020

Coordination and Notification Procedures (Non-Planned Space Services)

Timur Kadyrov
Space Services Department
ITU Radiocommunication Bureau



Contents



Interference-free operation

- Mechanisms to achieve it
 - Allocation
 - Transmit power limits
 - Licensing
 - Monitoring
- Access to spectrum
 - Planned
 - Coordinated
- **First Come - First Served (subject to some restrictions) and Obligatory Negotiations**

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

Non planned satellite services

- Geostationary-satellite networks: in all services and frequency bands except those concerning Planned Services
- Non-geostationary- satellite networks: in certain frequency bands governed by No. 9.11A procedure
- Non-geostationary- satellite networks: all pertinent services and certain frequency bands, for which only the Advance Publication procedure is required before notification

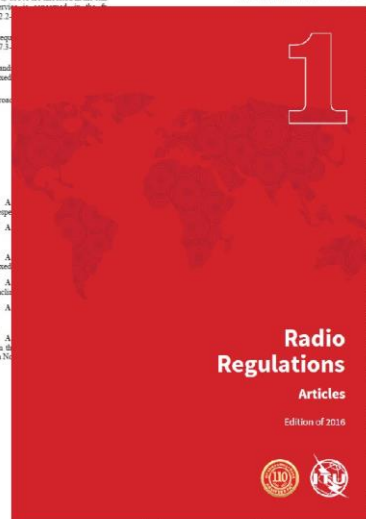
Non-Planned Procedures

ARTICLE 11
Notification and recording of frequency assignments^{1, 2, 3, 4, 5, 6, 7, 8} (WRC-15)

A.11.1 See also Appendix
a) frequency
11.7-12.2 GHz (in Region 3), 11.7
b) frequency
5 a) above are allocated in the star
12.2
12.2
freq
17.3
band
fixed
trans

2 A
imp
3 A
4 A
5 A
incl
6 A
7 A
on th
in N

ARTICLE 9
Procedure for effecting coordination with or obtaining agreement of other administrations^{1, 2, 3, 4, 5, 6, 7, 8, 9} (WRC-15)



Information on satellite systems
11 in respect of frequency assignments
the coordination procedure described in
spect to stations in a space radiocommunication
ment Plan, see also Appendix 3A8.
satellite launching vehicles.
ation of
as for the broadcasting-satellite service in the
1) and 12.2-12.7 GHz (in Region 2), or new or
it of additional uses, with respect to frequency
are allocated.
the frequency bands referred to in [a) above
agreements in the broadcasting-satellite service in
ion 1) and 12.2-12.7 GHz (in Region 2);
as for feeder links to the broadcasting-satellite
0 GHz and 17.3-18.1 GHz (in Regions 1 and 3),
and 3 Lists of additional uses, with respect to
new bands are allocated.
the frequency bands referred to in [c) above are
ments in the fixed-satellite service (Earth-to-
GHz and 17.3-18.1 GHz (in Regions 1 and 3),
3) for the broadcasting-satellite service in the
applicable (WRC-2000)
by WRC-03, WRC-12 and WRC-15.
C-15), as appropriate, shall also be applied with
it. (WRC-15)
ed by WRC-15.
y to non-geostationary service-satellite systems
a geostationary satellite with an orbit the
by WRC-15.
orks in the broadcasting-satellite service in the
53 (WRC-12)**** applies. (WRC-12)

**** Note by the Secretariat: This Resolution was revised by WRC-15.

Radio Regulations

Article 9 & Article 11



Rules concerning

ARTICLE 9 of the RR*

Rules concerning the late payment of cost recovery fees and cancellation of satellite network filings due to non-payment of cost recovery fees in accordance with Council Decision 482

1 The provisions of Nos. 9.2B.1 and 9.38.1 of footnotes 7 to § 4.1.5, 8 to § 4.1.15, 16 to § 4.2.8, 17 to § 4.2.9, and 18 to § 4.2.10, of Appendix 30, footnotes 9 to § 4.1.5, 10 to § 4.1.15, 19 to § 4.2.8, and 20 to § 4.2.9, of Article 5, of Appendix 30A and footnote 1 to the title of Article 8 of Appendix 30B, stipulate that if the payments due with the above provisions are not received in accordance with Council Decision 482, as amended, on the implementation of cost-recovery filings, the Bureau shall cancel the publication after informing the notifying administration.

2 Council Decision 482 stipulates that payment of cost-recovery fees is to be made within a period of a maximum of six months after issue of the notice, and the notice shall be issued upon receipt of the filing by the Bureau and sent to the notifying administration.

3 Due to administrative delay related mainly to the payment of cost-recovery fees by financial institutions and internal validation between the Management Department of the General Secretariat, the delay in the issuance of the notice of non-payment of a satellite network notice is normally within six months. The Board's confirmation at the BR IFIC meeting which normally takes place within the six-month deadline for cost-recovery fees of the consolidated satellite network.

4 In view of the above, the Board decided that where the payment has been received after the six-month deadline for cost-recovery fees, the late payment is considered, shall continue to be valid.

5 Any satellite network filing for which a payment of cost-recovery fees is not made at a meeting where a decision to cancel that filing for non-payment of cost-recovery fees is taken into account, and the information would be removed from the Radiocommunications Regulations Board.

International Telecommunication Union

Rules of Procedure

approved by the Radio Regulations Board

for the application, by the Radiocommunication Bureau, of the provisions of the Radio Regulations, Regional Agreements, Resolutions and Recommendations of World and Regional Radiocommunication Conferences

Edition of 2017



Rules concerning

ARTICLE 11 of the RR

Consolidation of frequency assignments of different GSO networks submitted by an administration at the same orbital position into frequency assignments of a single satellite network

Introduction

11.1 The Board noted the request of WRC-12 for a detailed description of the Radiocommunication Bureau's actions with respect to consolidating frequency assignments of geostationary-satellite orbit (GSO) networks submitted by an administration at the same orbital position, into frequency assignments of a single satellite network.

11.2 The Board understands that the consolidation of frequency assignments of GSO networks shall only be possible for assignments recorded in the MIFR, associated with a specific orbital position at exactly the same orbital position, upon request by the administration acting on behalf of a group of named administrations) that notified the Bureau, the following principles shall apply.

Structure of notice

11.3 The structure of the notice of recorded frequency assignments of several satellite networks into one consolidated network shall consist in aggregating all alphanumerical data related to frequency assignments of GSO satellite networks contained in the Space Network Systems database of the Radiocommunication Bureau and the associated graphical data contained in the Reference Management Software (GIMS) reference database.

Identity of the satellite network (Appendix 4, Annex 2, A1)

11.4 Networks with identical information related to the notifying administration shall be consolidated:

- Notifying administration
- Group of administrations
- Intergovernmental satellite organization

Orbital information (Appendix 4, Annex 2, A4)

11.5 Networks to be consolidated shall have an identical orbital position (A.4.a.1).

11.6 Different values for the longitudinal tolerance (A.4.a.2.a,b) and/or inclination (A.4.a.2.c), the smallest values shall be used for a consolidated network. It is understood that the operation of the consolidated satellite networks would be within the smaller longitudinal tolerance and/or inclination excursion.



Coordination Approach - *Elements*

- **Submit a coordination request**
- **Fulfil requirements mentioned in the RR**
- **Negotiate with concerned administrations and get agreements**
- **Record the coordinated assignments in the MIFR (Master International Frequency Register) to be taken into account by other administrations**

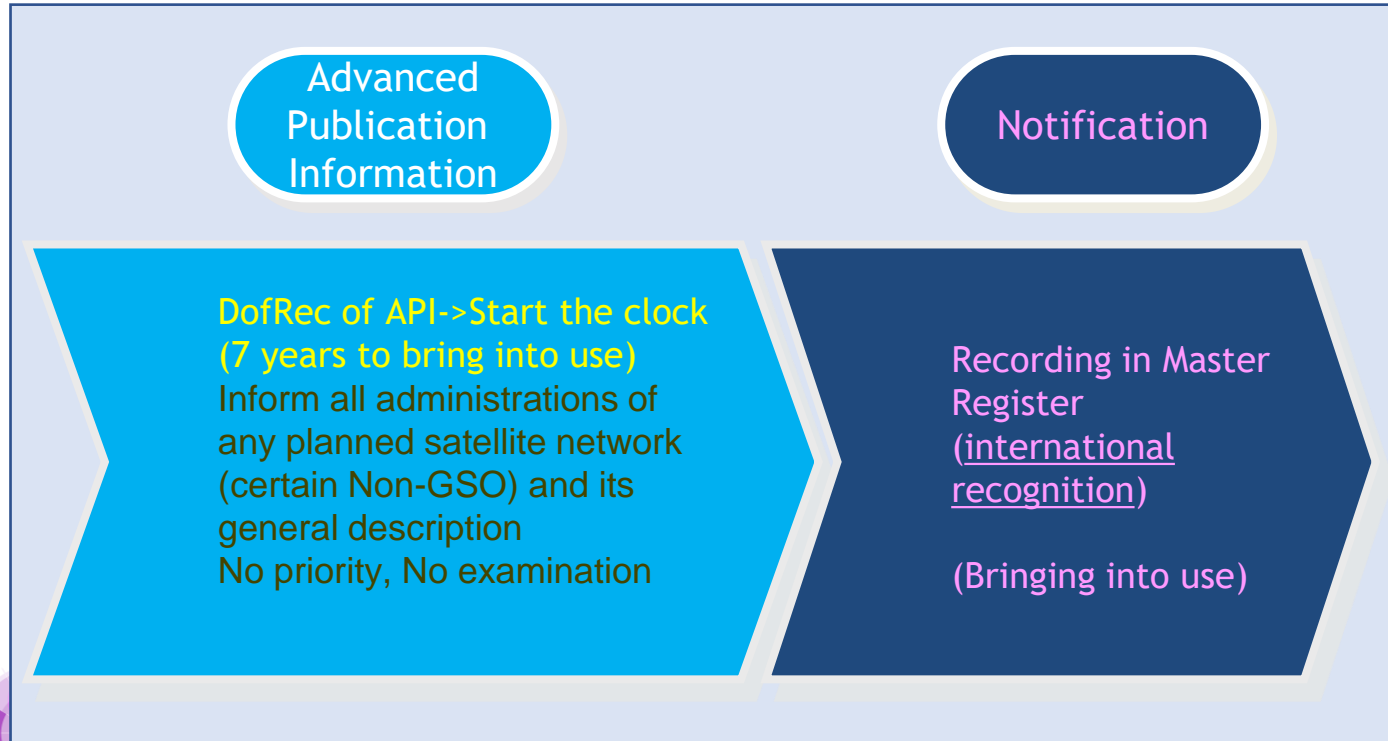
Coordination Approach - *Provisions*

Elements	Relevant Provisions
Procedures	Articles 9 & 11
Submission format	Appendix 4
Technical & operational limits	Article 5, Articles 21 & 22 etc.
Criteria and methods to identify coordination requirements	Appendix 5 (Appendices 7 and 8)



Two Stage Procedure

Satellite networks *not subject to coordination procedure*



Two Stage Procedure

Satellite networks not subject to coordination procedure

Advance Publication of Information (API) on Satellite Networks (Section I of Article 9)

- Inform all administrations of any planned satellite network (GSO or Non-GSO) and its general description
- No priority, No examination
- Start of Regulatory Time limit to be recorded in the MIFR and brought into use

Two Stage Procedure

Satellite networks *subject to coordination procedure*

Coordination

Inform all administrations of any planned satellite network (GSO & Non-GSO) and detailed description
Obligatory negotiation
(Goal: interference-free operation)

Start the clock
(7 years to bring into use)

Notification

Recording in Master Register
(international recognition)

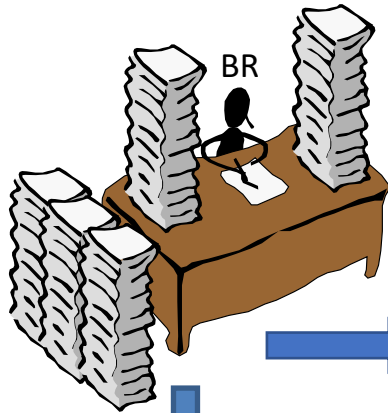
(Bringing into use)

Coordination of Satellite networks

Procedure for effecting coordination

(Section II, Article 9)

- Contains (almost) all cases of coordination for non-planned satellite networks (GSO and Non-GSO), earth and terrestrial stations
- Not contained in Article 9
 - (1) Non-Planned services w.r.t. Planned services
(see Art 7 of AP30 and AP30A)
 - (2) BSS sound in the 2.6 GHz w.r.t. Terrestrial Services
(see Res 539)



Request for
coordination
AP4 submission

CR publication

Technical & regulatory Exam
+
Coordination requirements

Findings

Affected adm

.. no permanent priority..
.. needs to take all practicable measures to
facilitate the use of new systems by other
countries...
...shall make every possible mutual effort to
overcome difficulties.....

Set priority **subject to**
Res.2 and No.9.53

No.9.35 Examination

Examination w.r.t. in conformity with Allocation Table and Other provisions Listed in RoP under No.11.31

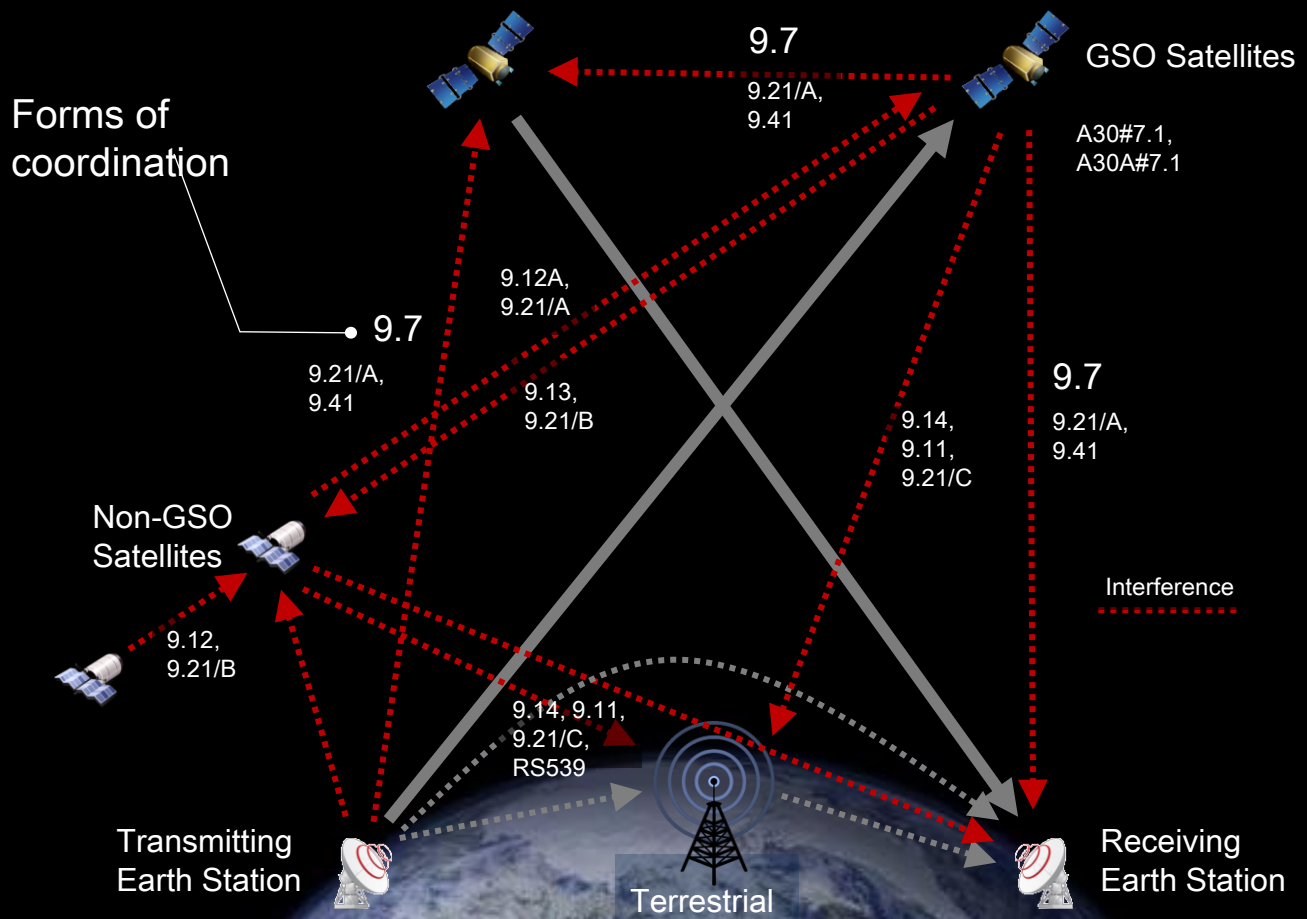
- **Favourable and Unfavourable groups of frequency assignments are split**
- **Findings: Favourable A- Unfavourable N-**

Groups with findings N- are not examined further

No.9.36 Examination

- Coordination Requirement for groups with “A –”
- Establish forms of coordination
- Identify administrations with which coordination may need to be effected for various forms of coordination
- Identify list of satellite networks

Coordination requirements (No. 9.36 of RR)



Forms of coordination

Cases	Provision
GSO to GSO	9.7, Art7 AP30/30A
Certain ES of GSO to NGSO	9.7A
NGSO to Certain ES of GSO	9.7B
BSS (GSO/NGSO) to Terrestrial Services	9.11, Res.539
NGSO to NGSO	9.11A/9.12
NGSO to GSO	9.11A/9.12A
GSO to NGSO	9.11A/9.13
NGSO/GSO to Terrestrial Services	9.11A/9.14
the requirement to seek the <u>agreement</u> of other administrations is included in a footnote to the Table of Allocation	9.21

Footnote refers Nos 9.11A or 9.21

No.9.11A (Coordination examined under No.11.32)

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

No.9.21 (Agreement examined under No.11.31)

e.g. 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

IMPORTANT: For 9.11A applicable cases see also RoP Table 9.11A-1; other space services to which 9.11A applies

Publications



CR/C Publications

*API publications
will be described
later*

The BR publishes the information (network data) in a Special Section of BR IFIC on DVD-ROM, which also contains,

RADIOCOMMUNICATION BUREAU COMMENTS

- Relating to the Findings with respect to No.11.31 (No.9.35 examination)

- Relating to the coordination examination with respect to No.9.36
 - Administrations identified under all Forms of Coordination
 - List of Satellite networks (9.36.2)
 - Potentially Affected Administrations for some (9.36.1) for information only

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 SATELITE		ASIASAT-142.5Q		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º		CR/C/4521	
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA		2863 / 06.02.2018	
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE		CHN		LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL		142.5 E	
				NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NUMERO DE IDENTIFICACIÓN		117520225	
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL						04.07.2017	
<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 left-hand column by an X in the relevant 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 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.</p>			
Type of coordination mentioned in the Table I / Form of coordination referred to in Table I / Forma de coordinación mencionada en el cuadro I							
<input checked="" type="checkbox"/> 9.7 <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 <input type="checkbox"/> RS33#3		<p>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.</p>		<p>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 administrator and the Bureau by the deadline indicated below.</p>		<p>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.</p>	
Type of coordination mentioned in the Table II / Form of coordination referred to in Table II / Formulario de coordinación remitido al cuadro II							
<input checked="" type="checkbox"/> 9.11 <input checked="" type="checkbox"/> 9.11A <input type="checkbox"/> 9.12 <input type="checkbox"/> 9.12A <input checked="" type="checkbox"/> 9.13 <input 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 <input type="checkbox"/> RS33#2.1		<p>Les Administrations, énumérées ou non-énumérées dans le Tableau II ci-après, qui n'acceptent pas la demande de coordination au titre des numéros 9.11 à 9.14, 9.21 et RS33#2.1, sont priées de communiquer leurs observations à l'Administration responsable et au Bureau avant la date limite indiquée ci-dessous. Toute Administration qui ne réagira pas au titre du numéro 9.52 avant cette date limite sera considérée comme n'étant pas défavorablement influencée et, dans les cas couverts par les numéros 9.11 à 9.14 et RS33#2.1, les dispositions des numéros 9.48 et 9.49 s'appliqueront.</p>		<p>Administrations listed or not listed in Table II below, which do not agree to the request for coordination under Nos. 9.11 to 9.14, 9.21 and RS33#2.1 are requested to communicate their comments to the responsible administration and the Bureau by the deadline indicated below. Any administration not responding under No. 9.52 within this deadline shall be regarded as unaffected and, in the cases of Nos. 9.11 to 9.14 and RS33#2.1, the provisions of Nos. 9.48 and 9.49 shall apply.</p>		<p>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.</p>	
DATE LIMITE POUR LA DECISION / EXPIRY DATE FOR DECISION / FECHA LÍMITE PARA LA DECISIÓN						06.06.2018	

Page 3

		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	ARG, ARM, ARS/ARB, ARS, AUS, AZE, B, BEL, BLR, BOL, BUL, CAN, CLM, CYP, CZE, D, E, EGY, ETH, F/EUT, F, G, GRC, HOL, I, IND, INS, IRN, IRQ, ISR, J, KAZ, KOR, LAO, LUX, MAU, MCO, MEX, MLA, MLD, MNG, NCG, NOR, NZL, PAK, PNG, QAT, RUS/IK, RUS, S, SNG, SUI, THA, TON, TUR, UAE, UKR, USA, VTN		
	9.7A			
	9.7B			
X	AP30#7.1	CAN, F, G, HOL, ISR, J, LUX, NCG, RUS/IK, RUS, UAE, USA		
X	AP30A#7.1	EGY, F, G, HOL, LUX, QAT, RUS/IK, UAE		
	RS539			
	RS33#3			

Page 4

		Tableau II / Table II / Cuadro II / 表二 / Таблица 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 затрагиваемые администрации (исключительно для информации, см. п. 9.36.1)	إدارات محتمل أن تتأثر سلباً غير موث (انظر الرقم 1.36.9)، على سبيل الإطلاع فقط)
X	9.11			
X	9.11A			
	9.12			
	9.12A			
X	9.13	AUS, CAN, CYP, D, F, G, HOL, IND, LIE, LUX, NOR, NZL, RUS/IK, RUS, USA		
	9.14			
X	9.21/A ¹	ARS/ARB, AUS, AZE, B, BEL, BLR, CAN, CLM, CYP, D, E, EGY, F, G, HOL, I, INS, IRN, IRQ, ISR, J, KOR, LAO, LUX, MCO, MLA, MLD, NOR, NZL, PAK, PNG, QAT, RUS/IK, RUS, S, THA, TUR, UAE, UKR, USA		
X	9.21/B ¹	CAN, NOR		
X	9.21/C ¹	AUS, INS, IRN, J, KAZ, KGZ, KOR, KRE, LAO, MLA, NZL, RUS, SNG, USA/GUM, USA/HWA, UZB		
	RS33#2.1			

¹ 9.21/A, 9.21/B et 9.21/C – au titre du numéro 9.21, administrations ayant des réseaux OSG, des réseaux non-OSG et des stations de Terre, respectivement.

¹ 9.21/A, 9.21/B and 9.21/C – Under No. 9.21, administrations with GSO networks, Non-GSO networks and terrestrial stations, respectively.

¹ 9.21/A, 9.21/B y 9.21/C – De conformidad con el N° 9.21, administraciones con redes OSG, redes no OSG y estaciones terrestres, respectivamente.

¹ 9.21/A, 9.21/B 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.



NOTES DE L'ADMINISTRATION

NOTE 1

Pour ce qui est de la bande de fréquences 13,75 - 14 GHz, l'administration confirme que le réseau à satellite ASIASAT-142.5Q sera exploité conformément au numéro 5.502 du Règlement des Radiocommunications pour un diamètre d'antenne égal ou supérieur à 1,2 m et inférieur à 4,5 m.

NOTE 2

Faisceaux orientables

Toutes les transmissions Espace-vers-Terre devront respecter les limites de puissance surfacique de l'Article 21 du Règlement des Radiocommunications en utilisant la méthode décrite dans l'Annexe 1 de la Règle de Procédure relative au numéro 21.16.

NOTE 3

La couverture de l'antenne est en fait assurée par plusieurs faisceaux orientables pouvant être pointés vers un point visible quelconque de la Terre. Plusieurs faisceaux ponctuels peuvent être associés pour former des faisceaux assurant une couverture plus large.

NOTES BY THE ADMINISTRATION

NOTE 1

For the operation in the frequency band 13.75 - 14 GHz, the administration confirms that the operation of ASIASAT-142.5Q satellite network will comply with No. 5.502 of the Radio Regulations for antenna diameter which is equal or greater than 1.2 m and less than 4.5 m.

NOTE 2

Steerable beams

All Space-to-Earth transmissions will comply with the PFD limits in Article 21 of the Radio Regulations using the method described in Annex 1 to the Rule of Procedure for No. 21.16.

NOTE 3

The antenna coverage actually consists of multiple steerable beams that can be pointed to any part of the visible Earth. Multiple spot beams may be combined to form larger coverage beams.

NOTAS DE LA ADMINISTRACIÓN

NOTA 1

La Administración confirma que para el funcionamiento de la red de satélite ASIASAT-142.5Q en la banda de frecuencias 13,75 - 14 GHz, se observará lo dispuesto en el número 5.502 del Reglamento de Radiocomunicaciones para un diámetro de antena igual o superior a 1,2 m, e inferior a 4,5 m.

NOTA 2

Haces orientables

Todas las transmisiones Espacio-Tierra cumplirán los límites de la densidad de flujo de potencia del Artículo 21 del Reglamento de Radiocomunicaciones utilizando el método descrito en el Anexo 1 de la Regla de procedimiento sobre el número 21.16.

NOTA 3

En realidad, la cobertura de la antena consiste en una serie de haces orientables que pueden ser dirigidos a cualquier lugar visible de la Tierra. Se pueden combinar varios haces puntuales para formar haces de mayor cobertura.

BR comments- Example

OBSERVATIONS DU BUREAU DES RADIOCOMMUNICATIONS

Relatives à la Conclusion conformément au N° 11.31

Assignations de fréquence 59 500 MHz et dans la bande 54 000 – 58 000 MHz

DEFAVORABLE

Pour les assignations pour lesquelles la puissance surfacique, à toutes les altitudes comprises entre 0 km et 1 000 km au-dessus de la surface de la Terre, produite par une station du service inter-satellites dépasse la limite indiquée au numéro 5.556A.

Assignations de fréquence dans la bande 14 500 – 14 750 MHz

DÉFAVORABLE pour les assignations de fréquence dans la bande 14,5 - 14,75 GHz, pour les territoires situés en dehors des pays énumérés dans les Résolutions 163 et 164 (CMR-15), zone de service non conforme aux Résolutions 163 & 164 (CMR-15).

Assignations de fréquence 4 210, 4 250, 4 290 MHz et dans les bandes 4 100 – 4 200 et 27 000 – 27 600 MHz

DEFAVORABLE

Aucune attribution au Service Fixe par Satellite [Terre-vers-Espace] dans la Région 1

RADIOCOMMUNICATION BUREAU COMMENTS

Relating to the Findings with respect to No. 11.31

Frequency assignments 59 500 MHz and those in the 54 000 – 58 000 MHz band

UNFAVOURABLE

For assignments with PFD at all altitudes between 0 km and 1 000 km above the Earth's surface produced by a station in the inter-satellite service, exceeding the limit stated in No.5.556A.

Frequency assignments in the 14 500 – 14 750 MHz band

UNFAVOURABLE, for frequency assignments in the 14.5 – 14.75 GHz band for territories outside of countries listed in Resolutions 163 & 164 (WRC-15), service area not in accordance with Resolutions 163 & 164 (WRC-15).

Frequency assignments 4 210, 4 250, 4 290 MHz and those in the 4 100 – 4 200 and 27 000 – 27 600 MHz bands

UNFAVOURABLE

No allocation for Fixed-Satellite Service [Earth-to-space] in Region 1

OBSERVACIONES DE LA OFICINA DE RADIOCOMUNICACIONES

Relativas a la Conclusión según N.º 11.31

Asignaciones de frecuencia 59 500 MHz y en la banda 54 000 – 58 000 MHz

DESFAVORABLE

Para asignaciones con DFP en altitudes entre 0 km y 1 000 km sobre la superficie de la Tierra producidas por una estación del servicio entre satélites que excede los límites indicados en el número 5.556A.

Asignaciones de frecuencia en la banda 14 500 – 14 750 MHz

DESFAVORABLE para las asignaciones de frecuencias en la banda 14,5 - 14,75 GHz para territorios situados fuera de los países enumerados en las Resoluciones 163 y 164 (CMR-15), la zona de servicio no se ajusta a lo dispuesto en las Resoluciones 163 y 164 (CMR-15).

Asignaciones de frecuencia 4 210, 4 250, 4 290 MHz y en las bandas 4 100 – 4 200 y 27 000 – 27 600 MHz

DESFAVORABLE

No hay atribución al Servicio Fijo por Satélite [Tierra–espacio] en la Región 1



BR comments- Example

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 9.36

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
一、需要在组的层次进行的协调

I. Coordination requirements at group level
I. Потребности в координации на уровне группы

I. Requisitos de coordinación a nivel de grupo
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 Дельта 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			
CIU	R	117673811	5				CYP F G IND ISR J KOR LAO LUX RUS TON UAE VTN QAT					
		117673812	5				CYP F G IND ISR J KOR LAO LUX RUS TON UAE VTN QAT					
		117673813	5				CYP F G IND ISR J KOR LAO LUX RUS TON UAE VTN QAT					
		117673814	5				CYP F G IND ISR J KOR LAO LUX RUS TON UAE VTN QAT					
		117687838	6				CYP F G IND ISR J LAO LUX TON UAE VTN QAT RUS					
		117687839	6				CYP F G IND ISR J LAO LUX TON UAE VTN QAT RUS					
		117687840	6				CYP F G IND ISR J LAO LUX TON UAE VTN QAT RUS					
		117687841	6				CYP F G IND ISR J LAO LUX TON UAE VTN QAT RUS					
IS1R	R	117673840	54									
		117673841	59	ISR	UAE							

List of satellite networks

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% est identifié dans le cas I uniquement (réseau utile et réseau brouilleur utilisant en partage la même bande de fréquences dans le même sens de transmission) et qui sont 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% identified under Case I only (wanted and interfering networks sharing the same frequency band in the same direction of transmission) or which are within the coordination arc (under No. 9.7)

Lista de redes de satélites para los que Delta T/T > 6% identificadas con arreglo al Caso I solamente (Redes deseada e interferente que comparten la misma banda de frecuencias en la misma dirección de transmisión) o que se encuentran dentro del arco de coordinación (según N.º 9.7)

仅在情形一（使用网络和干扰网络在同一传输方向上共用同一个频段）中由于Delta T/T > 6%，或落入协调弧之内而得到确认的卫星网络清单（依据 9.7）

Список спутниковых сетей, для которых критерий Дельта T/T > 6% определен в рамках только случая I (полезная и мешающая сети, совместно использующие одну и ту же полосу частот для передачи в одном и том же направлении) или которые располагаются в пределах координационной дуги (согласно № 9.7)

قائمة الشبكات الساتلية التي تكون فيها النسبة دلتا T/T > 6% محددة في الحالة I فقط (الشبكات المطلوبة والمسيبة للداخل تنقسمان نطاق التردد نفسه في اتجاه الإرسال نفسه) أو التي تدخل ضمن قوس التنسيق (بموجب 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
ALG		ALCOMSAT-24.8W	24.8 W	C	A	113520121	C	R	
		ALCOMSAT-27.6W	27.6 W	C	A	114520218	C	R	
ARG		ARSAT-C	81 W	C	A	110520406	C	R	
		ARSAT-D	81 W	C	A	113520066	C	R	
		ARSAT-F	91.5 W	C	A	115520101	C	R	
		ARSAT-G	72 W	C	A	115520102	C	R	
		ARSAT-H	38.5 W	C	A	115520103	C	R	
		P-P-SAT-1	81 W	N	A	105500330	C		

Liste des réseaux à satellite pour lesquels Delta T/T > 6% est identifié dans le cas II uniquement (réseau utile et réseau brouilleur utilisant en partage la même bande de fréquences dans des sens de transmission opposés (utilisation bidirectionnelle)) (au titre du N° 9.7)

List of satellite networks for which Delta T/T > 6% identified under Case II only (wanted and interfering networks sharing the same frequency band in opposite directions of transmission (directional use)) (under No. 9.7)

Lista de redes de satélites para los que Delta T/T > 6% identificadas con arreglo al Caso II solamente (Redes deseada e interferente que comparten la misma banda de frecuencias en direcciones opuestas de transmisión (uso bidireccional)) (según N.º 9.7)

仅在情形二（使用网络和干扰网络在相反传输方向上共用相同频段（双向使用））中由于Delta T/T > 6%而得到确认的卫星网络清单（依据 9.7）

Список спутниковых сетей, для которых критерий Дельта T/T > 6% определен в рамках только случая II (полезная и мешающая сети, совместно использующие одну и ту же полосу частот при передаче в противоположных направлениях (реверсивное использование частот)) (согласно № 9.7)

قائمة الشبكات الساتلية التي تكون فيها النسبة دلتا T/T > 6% محددة في الحالة II فقط (الشبكات المطلوبة والمسيبة للداخل تنقسمان نطاق التردد نفسه في اتجاهي الإرسال المعاكسين (استخدام ثنائي الاتجاه)) (بموجب 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
ARS	ARB	ARABSAT 8C-20E	20 E	C	A	113520016		R
		ARABSAT 8D-7.5E	7.5 E	C	A	113520017	C	R
		ARABSAT 8G-11E	11 E	C	A	113520020	C	R
		ARABSAT 8H-17E	17 E	C	A	113520021		R



Potentially affected Administrations

III. Administrations susceptibles d'être défavorablement influencées au niveau du groupe (à titre d'information uniquement, voir N° 9.36.1)

三、在组的层面潜在的受干扰的主管部门 (仅供参考, 见第9.36.1款)

III. Potentially affected administrations at group level (for information only, see No. 9.36.1)

III. Потенциально затрагиваемые администрации на уровне группы (исключительно для информации, см. п. 9.36.1)

III. Administraciones posiblemente afectadas a nivel de grupo (sólo para información, véase el N.º 9.36.1)

III. الإدارات التي يتحمل أن تتأثر تأثيراً غير مؤات على مستوى المجموعة (انظر الرقم 1.36.9 للعلم فقط)

B1a Beam designation	B2 Emi-Rcp	BR7a Group id.	GHz	Administrations susceptibles d'être défavorablement influencées au titre du N° 9.13 潜在的受干扰的主管部门 9.13						Potentially affected administrations under No. 9.13 Администрации, потенциально затрагиваемые согласно № 9.13						Administraciones posiblemente afectadas según N.º 9.13 الإدارات التي يتحمل أن تتأثر بموجب الرقم 9.13						
C1U	R	117687838	6	F	IND																	
		117687839	6	F	IND																	
		117687840	6	F	IND																	
		117687841	6	F	IND																	
KA1U	R	117673881	28	CAN	CYP	D	F	G	HOL	LIE	LUX	NOR	NZL	RUS/IK	RUS	USA						
		117673884	28	CAN	CYP	D	F	G	HOL	LIE	LUX	NOR	NZL	RUS/IK	RUS	USA						
		117673887	28	CAN	CYP	D	F	G	HOL	LIE	LUX	NOR	NZL	RUS/IK	RUS	USA						
		117673890	28	CAN	CYP	D	F	G	HOL	LIE	LUX	NOR	NZL	RUS/IK	RUS	USA						
S1U	R	117673832	1	AUS	F	G	PNG	SLM														
		117673833	1	AUS	F	G	PNG	SLM														
TKA1U	R	117673893	28	CAN	CYP	D	F	G	HOL	LIE	LUX	NOR	NZL	RUS/IK	RUS	USA						
KA1D	E	117673855	18	CAN	CYP	D	F	G	HOL	LIE	LUX	NOR	RUS/IK	RUS	USA							
		117673859	18	CAN	CYP	D	F	G	HOL	LIE	LUX	NOR	RUS/IK	RUS	USA							
		117673863	18	CAN	CYP	D	F	G	HOL	LIE	LUX	NOR	RUS/IK	RUS	USA							
		117673867	18	CAN	CYP	D	F	G	HOL	LIE	LUX	NOR	RUS/IK	RUS	USA							
S1D	E	117673836	2	AUS	F	G	NOR	PNG	SLM													
		117673837	2	AUS	F	G	NOR	PNG	SLM													
TKA1D	E	117673878	18	CAN	CYP	D	F	G	HOL	LIE	LUX	NOR	RUS/IK	RUS	USA							

B1a Beam designation	B2 Emi-Rcp	BR7a Group id.	GHz	Administrations susceptibles d'être défavorablement influencées au titre du N° 9.14 潜在的受干扰的主管部门 9.14						Potentially affected administrations under No. 9.14 Администрации, потенциально затрагиваемые согласно № 9.14						Administraciones posiblemente afectadas según N.º 9.14 الإدارات التي يتحمل أن تتأثر بموجب الرقم 9.14																					
S1D	E	117673836	2	AFG	ARS	AUS/CHR	AUS/HMD	AUS/ICO	AUS/NFK	AUS	BGD	BRM	BRU	BTN	CBG	CLN	F/AMS	F/KER	F/NCL	F/OCE	F/REU	F/WAL	FJI	FSM	G/DGA	IND	INS	IRN	J								
				KAZ	KGZ	KIR/PHX	KIR	KOR	KRE	LAO	MAU/ROD	MAU	MHL	MLA	MNG	NPL	NRU	NZL/CHK	NZL/NIU	NZL/TKL	NZL	OMA	PAK	PHL	PLW	PNG	RUS	SEY	SLM	SMO	SNG	THA	TJK	TKM	TLS	TON	TUV
				USA/HWL	USA/JAR	USA/JON	USA/MDW	USA/MRA	USA/PLM	USA/SMA	USA/WAK	UZB	VTN	VUT	XZZ/XSP	YEM																					
		117673837	2	AFG	ARS	AUS/CHR	AUS/HMD	AUS/ICO	AUS/NFK	AUS	BGD	BRM	BRU	BTN	CBG	CLN																					

- An administration having received a request for coordination (through publication of CR/C) shall examine the matter with respect to interference which may be caused to, or caused by, its own assignments
- inform the requesting administration and the BR within four months from the date of publication of the BR IFIC of either:
 - its agreement to the proposed use, or
 - its disagreement, giving reasons for the disagreement

Final Coordination Requirements

Special Section	Provision	Methods	Final/Subject
List of Adms in CR/C	9.7, 9.7A, 9.7B, Art7 of AP30/30A	Δ T/T, pfd mask, Band Overlap	Final
List of Adms in CR/C	9.7	Coordination Arc	Subject to request for inclusion or exclusion under Nos.9.41/9.42
List of Adms in CR/C	9.11 to 9.14, 9.21	Band Overlap, eirp, pfd mask	Subject to comment under No.9.52

For coordination request under Nos. 9.11 to 9.14 and 9.21:

- An Adm informs its disagreement under No.9.52 using SpaceCom within 4 month
- No disagreement within 4 month means agreement to the proposed assignments in CR/C (No.9.52C)
- CR/D contains list of administrations having submitted their disagreement (No.9.53A)
- Final List of coordination requirements (Adms) published in CR/D



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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATELITE		PESSE-11E-KA	SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	CR/D/3417
STATION TERRIENNE EARTH STATION ESTACIÓN TERRENA		---	BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2862 / 23.01.2018
ADM. RESPONSABLE RESPONSABLE ADM. RES.	LONGITUDE NOMINALE		NUMÉRO D'IDENTIFICATION	

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

9.11	X	9.11	Disposition / Provision / Disposición / 条款 / Положение / الحكم	Récapitulatif des coordinations à effectuer	Summary of coordination requirements	Resumen de los requisitos de coordinación

Tableau II / Table II / Cuadro II / 表二 / Таблица II / 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										
KAUR	R	116823605	28600.000 - 29500.000	CAN USA	CHN	CYP	D	F	G	LIE	LUX	NOR	NZL	RUS
		116823607	28600.000 - 29500.000	CAN USA	CHN	CYP	D	F	G	LIE	LUX	NOR	NZL	RUS
		116823609	28600.000 - 29500.000	CAN USA	CHN	CYP	D	F	G	LIE	LUX	NOR	NZL	RUS
		116823611	28600.000 - 29500.000	CAN USA	CHN	CYP	D	F	G	LIE	LUX	NOR	NZL	RUS
		116823613	28600.000 - 29500.000	CAN USA	CHN	CYP	D	F	G	LIE	LUX	NOR	NZL	RUS
		116823615	28600.000 - 29500.000	CAN USA	CHN	CYP	D	F	G	LIE	LUX	NOR	NZL	RUS
		116823617	28600.000 - 29500.000	CAN USA	CHN	CYP	D	F	G	LIE	LUX	NOR	NZL	RUS
		116823619	29250.000 - 29265.000	CAN	CHN	CYP	D	F	G	LIE	LUX	NOR	USA	RUS
		116823575	18800.000 - 19700.000	CAN USA	CHN	CYP	D	F	G	LIE	LUX	NOR	NZL	RUS
		116823579	18800.000 - 19700.000	CAN USA	CHN	CYP	D	F	G	LIE	LUX	NOR	NZL	RUS
116823583	18800.000 - 19700.000	CAN USA	CHN	CYP	D	F	G	LIE	LUX	NOR	NZL	RUS		
116823587	18800.000 - 19700.000	CAN USA	CHN	CYP	D	F	G	LIE	LUX	NOR	NZL	RUS		

RÉFÉRENCE
SPECIAL SECTION REFERENCE (BR IFIC / DATE)
REFERENCIA DE LA SECCIÓN ESPECIAL (BR IFIC / FECHA)



For coordination request under Nos. 9.7, 9.7A, 9.7B:

- An Adm requests for inclusion or exclusion of administration/network as coordination requirement under Nos.9.41 using SpaceCom within 4 month
- No request within 4 month means agreement to the requirements published in CR/C (No.9.43)
- CR/E contains list of administrations/ satellite networks, requested and confirmed by the Bureau for inclusion (No.9.42)
- Final List of coordination requirements (Adms and networks) published in CR/E + CR/C
- During coordination additional networks can be included with mutual agreement (No.9.42.1)



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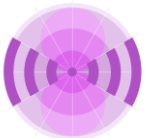
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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATELITE	ALGSAT-24.8W		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	CR/E/1474	
STATION TERRENNNE EARTH STATION ESTACION TERRENA	---		BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	2863 / 06.02.2018	
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	ALG	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	24.8 W	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	116520428

I. Nécessité 一、需要在		II. List of satellite networks II. Список спутниковых сетей		II. Lista de redes de satélite		قائمة بالشبكات الساتلية		
Liste des réseaux à satellite pour lesquels Delta T/T est supérieur à 6% mais qui ne sont PAS dans l'arc de coordination (au titre du N° 9.7)		Liste de satellite networks for which Delta T/T > 6% but are NOT within the coordination arc (under No. 9.7)		Lista de redes de satélite para las cuales ΔT/T > 6% pero NO se encuentran dentro del arco de coordinación (según el N.º 9.7)		قائمة الشبكات الساتلية التي تكون فيها النسبة $\Delta T/T > 6\%$ ولكنها ليست ضمن قوس التنسيق (بموجب الرقم 9.7)		
Administrative		Delta T/T > 6%但并不属于协调弧范围的卫星网络清单 (依据 9.7)		قائمة الشبكات الساتلية التي تكون فيها النسبة $\Delta T/T > 6\%$ ولكنها ليست ضمن قوس التنسيق (بموجب الرقم 9.7)				
A1f1 Notif. 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
BGY		BGJAN1A	7 W	C	A	114520032	C	
		BGJAN2A	6 W	C	A	114520079	C	
		BGJAN3A	2 W	C	A	114520080	C	
		BGJAN4A	11 E	C	A	114520081	C	
		BGJAN5A	15 E	C	A	114520082	C	
		BGJAN6A	18 E	C	A	114520083	C	
		BGJAN7A	21 E	C	A	114520084	C	
		BGJAN8A	23 E	C	A	114520085	C	
G UAE		UKMSAT-A3	33.5 W	C	A	112520178	C	R
		EMARSAT-10F	44 E	C	A	114520194	C	
		EMARSAT-10S	98.5 E	C	A	114520211	C	
		EMARSAT-11G/M	127 E	C	A	115520080	C	
		EMARSAT-11X	73 W	C	A	115520074	C	
		EMARSAT-12D-M	130.9 W	C	A	116520037	C	
		EMARSAT-12F	44 E	C	A	116520046	C	
		EMARSAT-12Y-M	9 W	C	A	116520036	C	
		EMARSAT-13P	123 E	C	A	116520291	C	
		EMARSAT-13V-M	8 W	C	A	116520378	C	
		EMARSAT-9G/M	127 E	C	A	112520445	C	
		EMARSAT-9I	79 E	C	A	113520106	C	



Coordination Approach

Earth Station Coordination Procedure

Coordination

Inform concerned administrations of detailed descriptions of planned earth stations (no publication, no identification of affected administrations by the Bureau)

Earth stations should be associated with a satellite network for which API and/or CR have been published

Notification

Recording in Master Register
(international
recognition)

(Bringing into use by the
Planned date)

Recording in MIFR

“ Assignments (final characteristics) have to be notified under Article 11 to be recorded in the MIFR for international recognition within the regulatory period”

Recording in MIFR

Assignments (final characteristics) have to be notified under **Article 11** to be recorded in the MIFR for international recognition within the regulatory period

In order to be recorded in the MIFR assignments shall

- Be in conformity with Allocation Table and Other provisions listed in RoP under No.11.31 (No. 11.31 examination)
- Complete required coordination requirements (No. 11.32 examination)

Or

- Be favourable in examination on probability of harmful interference (C/I) (No.11.32A examination)

Article 11 Notification

- Assignments can also be notified under:
 - Under Nos.4.4/8.4
 - Unfavourable finding under No.11.31 (no international recognition)
 - Information only (no international recognition)
 - Under No.11.41
 - Unfavourable finding under Nos11.32 and 11.32A
 - Requirement of No.11.41.2 (indication of harmful interference) 11.42 (elimination of harmful interference)
- Bringing into use of assignments have to be notified (under No.11.47 and 11.44B) within the regulatory period

No. 8.5

If harmful interference to the reception of any station whose assignment is in accordance with No. 11.31 is actually caused by the use of a frequency assignment which is not in conformity with No. 11.31, the station using the latter frequency assignment must, upon receipt of advice thereof, immediately eliminate this harmful interference.

No. 11.42

“... the administration responsible for the station using the frequency assignment recorded under No. 11.41 shall, upon receipt of a report providing the particulars relating to the harmful interference, immediately eliminate this harmful interference.”

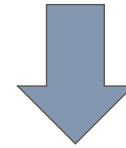


Publication in Parts of the BR IFIC

- Part I-S - **Acknowledgement** of receipt, particulars of complete frequency assignment notices
- Part II-S - Findings (mostly favourable) resulting in the **recording** of the frequency assignment **in the MIFR**;
- Part III-S - **Unfavourable Findings** resulting in the **return** of the notice to the notifying administration.

- Due Diligence Information →
- Suspension →
- Maintenance of MIFR etc. →

Coordination / API
(Advance Publication)



Notification
(recording in Master Register)

Due Diligence

1. Resolution 49
2. Resolution 552

Due Diligence – Res 49

- Resolution 49: To address the problem of orbit and spectrum reservation without actual use (Res 18 of Kyoto PP)
- Applies to satellite networks in the FSS, MSS, BSS that are subject to coordination procedure
- Information on Identity of the satellite network, Spacecraft manufacturer and Launch services provider is required
- Not submitted within the regulatory deadline results in suppression of submissions

Due Diligence – Information required

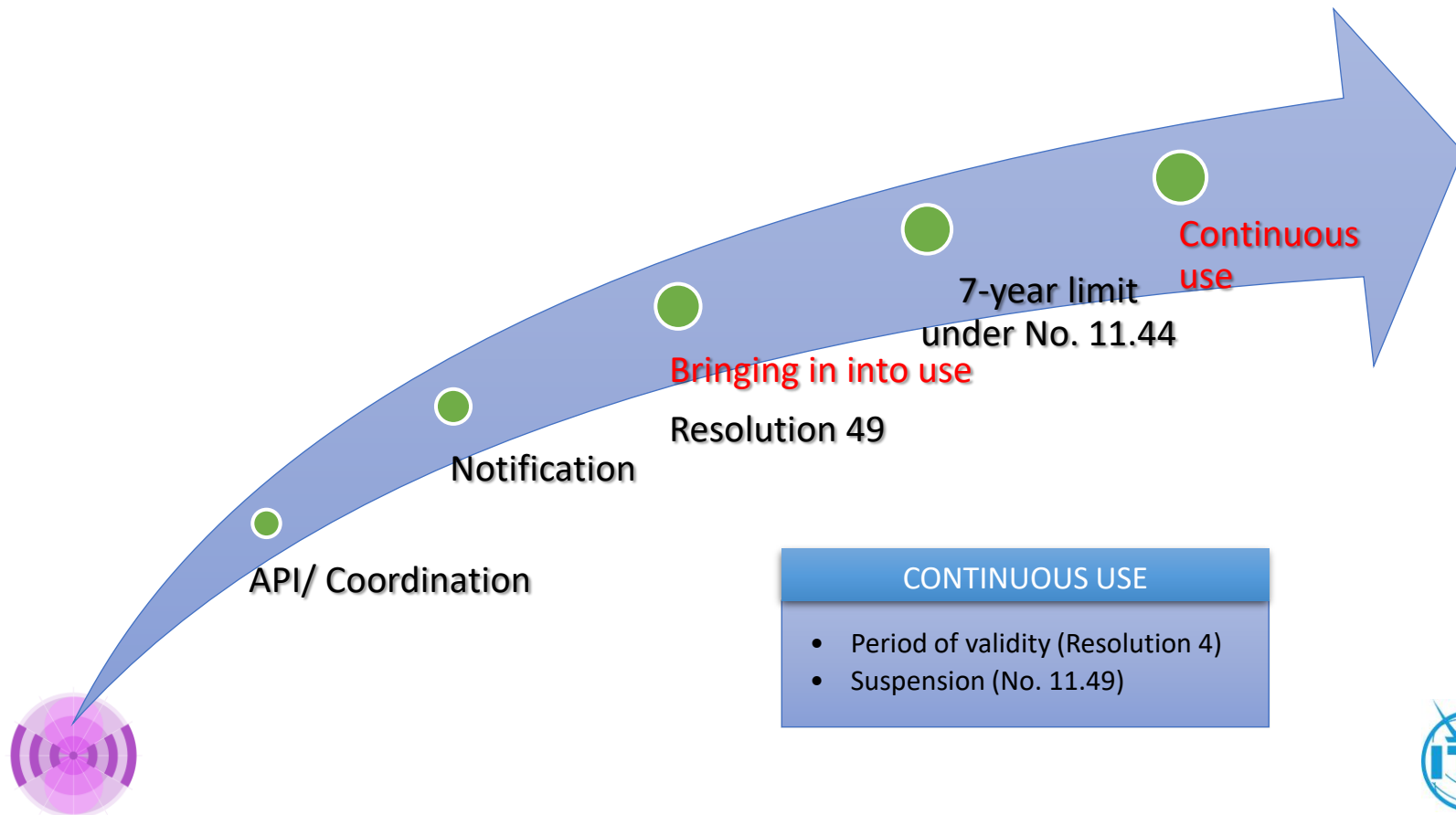
Annex 2 to Resolution 49

- A. Identity of the satellite network
- B. Spacecraft manufacturer
- C. Launch services provider

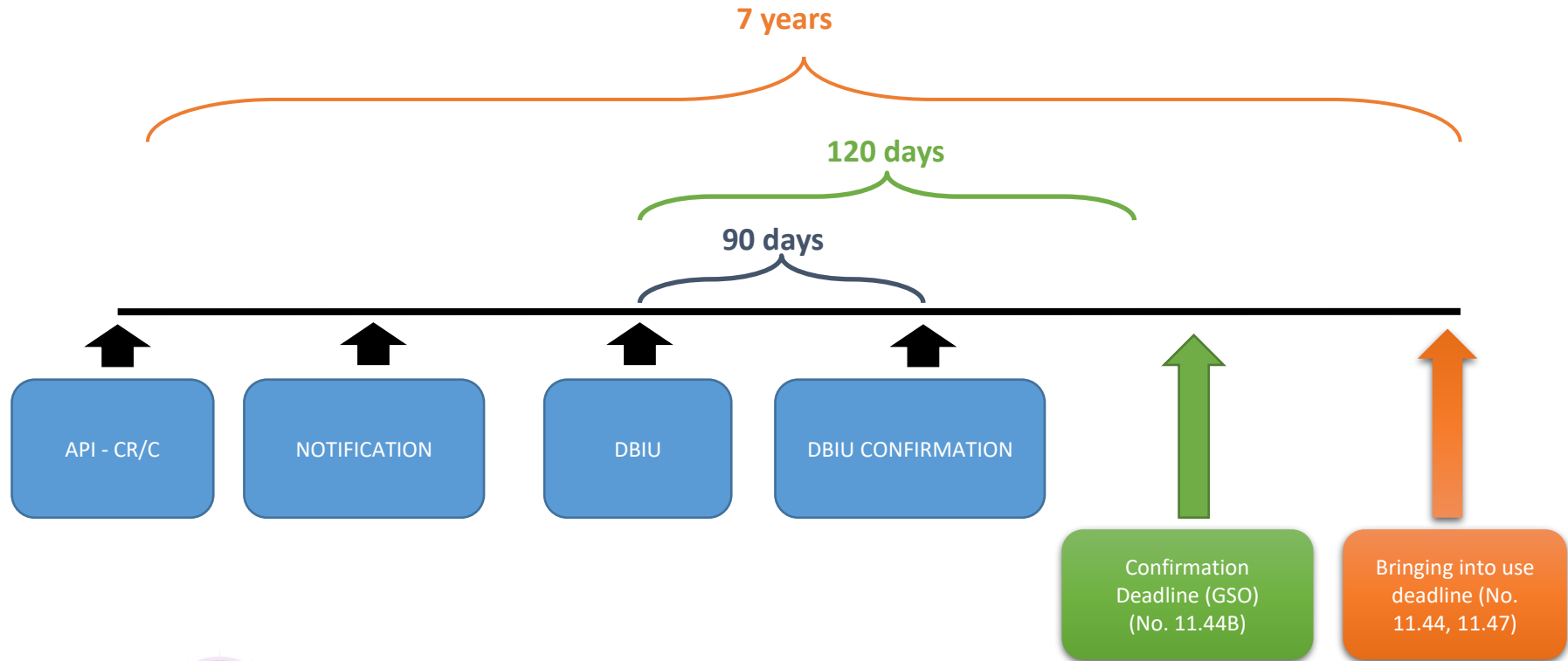
Due Diligence – Res 552

- Similar to Res 49 to some extent
- Applies to BSS in R1 & R3 in 21.4 - 22GHz
- ITU-ID for new satellites
- DD is required for suspending, shifting or deorbiting

Life Span of a Satellite Network



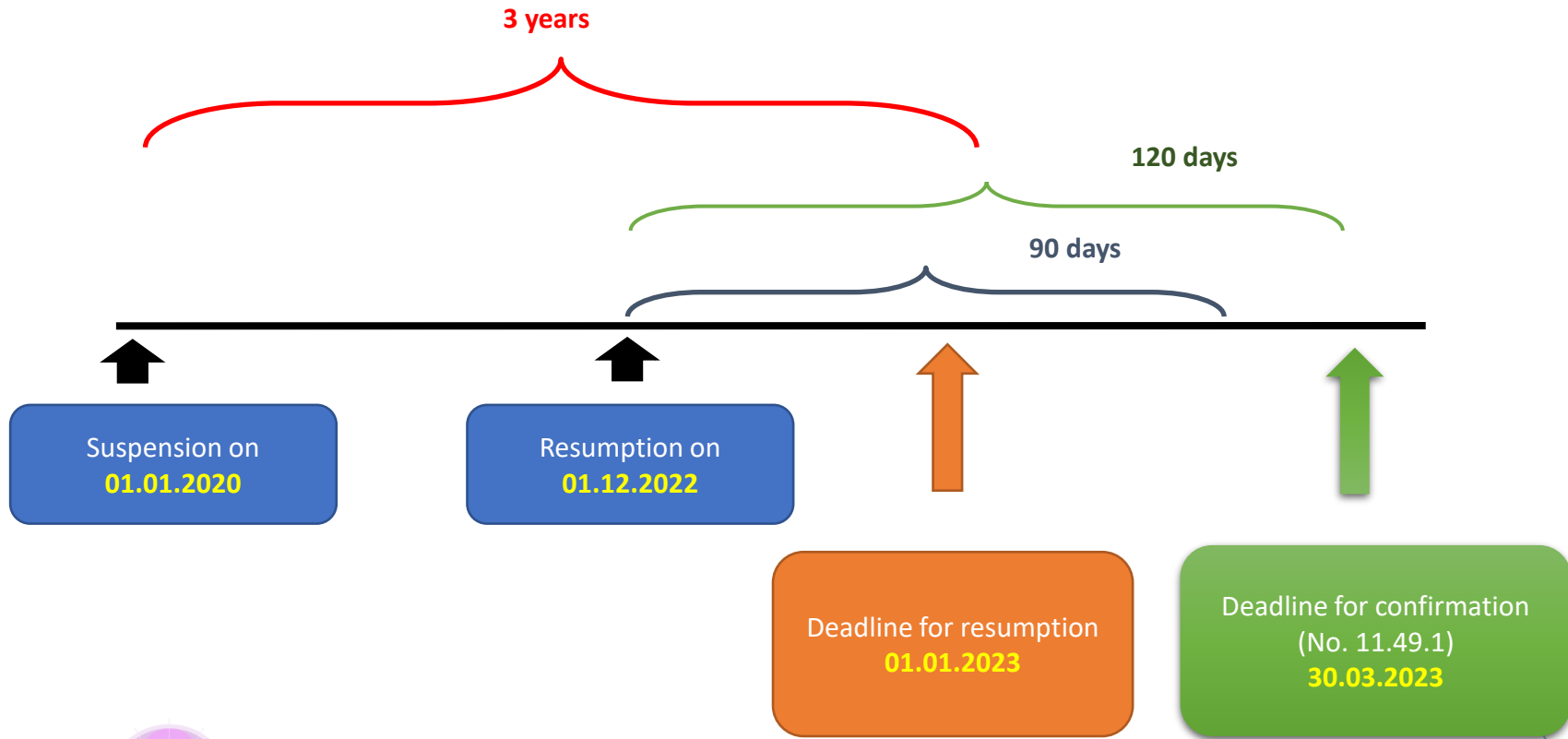
Time Frame



Suspension

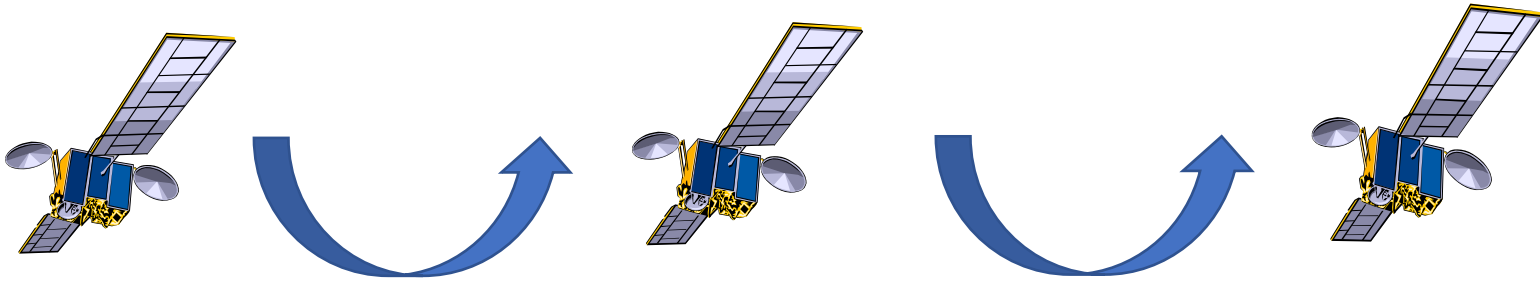
- Frequency Assignments can be suspended for a period of 3 years under No.11.49.
- BR has to be informed of suspension of use, no later than 6 months from the date of suspension. **If not, 3 year suspension period will be reduced by amount of delay**
- Frequency Assignments are considered brought back into use only if conditions of No.11.49.1 are met
(assignments to GSO Space station-> capability of communication has been deployed and maintained for 90 days continuous)

Example: Suspension GSO



Resolution 40 (WRC-15)

Bringing (back) into use of satellite networks at different orbital locations using one space station



Needs to provide in the case of a space station already used within the last 3 years

- Last orbital location used for BIU
- Satellite network previously associated at the previous position
- The date on which it was not longer at the previous position

Art 13 – Maintenance of MIFR

- BR is responsible for maintenance of the MIFR
- Under No.13.6 BR consults administrations and requests for more information about DBIU and/or continuous use based on reliable information available
- Cancellation of the entry shall be subject to a decision of the RRB

Summary of Coordination Approach

Inform/Publish characteristics

Fulfil requirements in RR

Negotiate with concerned
administrations and get agreements

Record the coordinated assignments in
the MIFR

Thank you!

ITU – Radiocommunication Bureau

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