



**ITUEvents**

# **ITU World Radiocommunication Seminar 2018**

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[www.itu.int/go/ITU-R/WRS-18](http://www.itu.int/go/ITU-R/WRS-18)



## **Administrative Due Diligence Resolution 49 and Resolution 552**

**Lilian Marin, Nick Sinanis**



# Overview

- **Overview of Resolution 49 procedure**
  - Nick Sinanis
- **Creating a Resolution 49 notice**
  - Lilian Marin
- **Overview of Resolution 552 procedure**
  - Nick Sinanis



# Overview of Resolution 49

Preparing a Resolution 49 Notice

Resolution 552



# Resolution 49 Overview

- **An administrative due diligence procedure that applies to**
  - All satellite network or satellite system of the **fixed-satellite service (FSS), mobile-satellite service (MSS) or broadcasting-satellite service (BSS)** with frequency assignments that are subject to coordination under Nos. **9.7, 9.11, 9.12, 9.12A and 9.13** and Resolution **33**
  - All submissions under Article 4 of Appendices 30 and 30A
    - *Any request for modifications of the Region 2 Plan under the relevant provisions of Article 4 of Appendices 30 and 30A that involve the addition of new frequencies or orbit positions*
    - *or for modifications of the Region 2 Plan under the relevant provisions of Article 4 of Appendices 30 and 30A that extend the service area to another country or countries in addition to the existing service area*
    - *or request for additional uses in Regions 1 and 3 under the relevant provisions of Article 4 of Appendices 30 and 30A*
  - Any submission of information under Article 6 of Appendix 30B, with the exception of submissions of new Member States seeking the acquisition of their respective national allotments for inclusion in the Appendix 30B Plan



# WRC-2012 Modification

- Resolution 49 does not apply to satellite networks or satellite systems of the **broadcasting satellite service** in the **21.4-22GHz** band in Regions 1 and 3.
- For those satellite systems of the broadcasting satellite service in the **21.4-22 GHz** band in **Regions 1 and 3**, the due diligence information requirements are spelt out in **Resolution 552** (WRC-2012).



# Res 49 Procedure

- **Deadline for submission of due diligence information :**
  - as early as possible, but must be received by BR before the end of the period established as a limit to bringing into use
    - *7 years from the date of receipt of CR/C for submissions under Article 9*
    - *8 years from the date of receipt of Art.4 (Part A) submissions of AP30/30A*
    - *8 years from the date of receipt of Art.6 (Part A) submissions of AP30B*
- **Before a notification for recording in the Master Register can be **confirmed as brought into use**, the relevant due diligence information must be received by BR**
- **Six months before expiry of the regulatory period, BR sends a reminder if the information has not yet been received**
- **If the complete due diligence information is not received within the specified time limit, the network shall be cancelled from the Master Register or Appendices 30/30A/30B Lists or Plan**



## Res 49 Procedure ...

- **Upon receipt of due diligence information, BR examines the information for completeness**
  - if information is complete, BR publishes it in a BR IFIC (within 30 days)
- **If a notification is received before the date of bringing into use, the assignments may be recorded provisionally in the MIFR. When the administration then **confirms that they have been brought into use**, BR will check whether the due diligence **has been submitted****
- **If a notification is received after the date of bringing into use, BR will check whether the due diligence has been submitted.**
  - If not, the BR will request the DDI from the notifying administration and until its reception the notification notice will stay in abeyance



# Res 49 Information in the Case of Launch Failure

**In the case of launch failure** of a satellite subject of the provisions of the Appendices **30/30A/30B** the notifying Administration (in accordance with § 4.1.3*bis* or § 4.2.6*bis* of Article 4 of Appendices **30** and **30A** and § 6.31*bis* of Article 6 of Appendix **30B**) **shall** provide to the Bureau:

***Before*** the end of the regulatory time-limit of 8 years to bringing into use of the subject network

due diligence information as required in Resolution **49** for the assignment with respect to the satellite that suffered the launch failure (if that information has not already been provided)

***Within one year after*** the launch failure of the subject network

updated Resolution 49 information for the new satellite under procurement

Otherwise the related frequency assignments **shall lapse**





# DDI Required Information

- **Not listed in Appendix 4!**
  
- **Data elements are listed in **Annex 2** to Resolution 49 with the following subsections:**
  - A. Identity of the satellite network
  - B. Spacecraft manufacturer
  - C. Launch services provider



## A. Identity of the satellite network

- a)** Identity of the satellite network
- b)** Name of the administration
- c)** Country symbol
- d)** Reference to the API special section, modification of AP30/30A, or information of Article 6 of AP30B(Rev.WRC-07)
- e)** Reference to the CR/C special section (not applicable for AP30/30A/30B)
- f)** Frequency band(s)
- g)** Name of the operator
- h)** Name of the satellite
- i)** Orbital characteristics



## B. Spacecraft manufacturer

- a)** Name of the spacecraft manufacturer
- b)** Date of execution of the contract
- c)** Contractual “delivery window”
- d)** Number of satellites procured



## C. Launch services provider

- a)** Name of the launch vehicle provider
- b)** Date of execution of the contract
- c)** Anticipated launch or in-orbit delivery window
- d)** Name of the launch vehicle
- e)** Name and location of the launch facility



## Overview of Resolution 49

# Preparing a Resolution 49 Notice

## Resolution 552



# Tools

SpaceCapture V8 - [Set Notice Template]

File Edit Tools Template Window Help

CR/NOTIF API RAST PLAN RS49/552

SpaceCap

Start Page

Notice Explorer

Open Notice

New Notice

Search

Notice Explorer - AP4/II and AP4/III

Notice.id	Type	Adm./Org.	Orb. Pos.	Station name	Date rcv.	Status
List of notices <span>Count=1</span>						
000000001[A]	G	CBG/	96.1E	GSOSAT-2	28.09.2018	01

Control Box

- Show
- Clone
- Export
- Delete
- To SNS
- CFEX
- SpaceVal
- Esub
- RS49/552

- To start with the exercise, open:  
<USB KEY>\Space Workshop\Day 3\  
\Coordination\_Request\_Exercise\GSOSAT-2 (full).mdb



# Run the Builder

RS49/RS552 Builder

Notice Id: 1      GSOSAT-2

Source Database: C:\Users\marinram\Desktop\WRS\GSOSAT-2.mdb

RS49/RS552 Database: c:\br\_soft\data\RS49\_1\_GSOSAT-2.mdb      [Change](#)

To Start the process click on the button to Load a list of frequencies subject to RS49 or RS552 for 1

**Load Frequencies Subject to RS49/RS552**



# Select Frequency Bands

RS49/RS552 Builder

Notice Id: 1      GSOSAT-2

Source Database: C:\Users\marinram\Desktop\WRS\GSOSAT-2.mdb

RS49/RS552 Database: c:\br\_soft\data\RS49\_1\_GSOSAT-2.mdb

Include frequency band	Frequency minimum	Frequency maximum
<input checked="" type="checkbox"/>	12200	12260
<input checked="" type="checkbox"/>	12260	12320
<input checked="" type="checkbox"/>	12320	12380
<input checked="" type="checkbox"/>	12380	12440
<input checked="" type="checkbox"/>	12440	12500
<input checked="" type="checkbox"/>	14500	14540
<input checked="" type="checkbox"/>	14540	14580
<input checked="" type="checkbox"/>	14580	14620
<input checked="" type="checkbox"/>	14620	14660
<input checked="" type="checkbox"/>	14660	14700
<input checked="" type="checkbox"/>	14700	14740
<input checked="" type="checkbox"/>	14710	14750
<input checked="" type="checkbox"/>	17700	18200
<input checked="" type="checkbox"/>	27500	28000
<input checked="" type="checkbox"/>	28000	28500

Select the frequency bands for which you wish to submit RS49.

Commercial Satellite Name  
SATELITE NAME

Press the Create RS49 Filing button to create a new RS49 filing with the selected frequency ranges. The generated RS49 Filing may then be modified (including adding new commercial satellite name) using SpaceCap.

Print List    Show Contiguous Bands    Check On All    X Check off All    Create RS49 Filing

- Enter the commercial name
- Click on “Create RS49 Filing”





# Res49 Notice is Created

RS49/RS552 Builder

Notice Id: 1      GSOSAT-2      Source Database: C:\Users\marinram\Desktop\WRS\GSOSAT-2.mdb  
RS49/RS552 Database: c:\br\_soft\data\RS49\_1\_GSOSAT-2.mdb

Include frequency band	Frequency minimum	Frequency maximum
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>	28000	28500

Building RS49/RS552 transaction complete.

OK

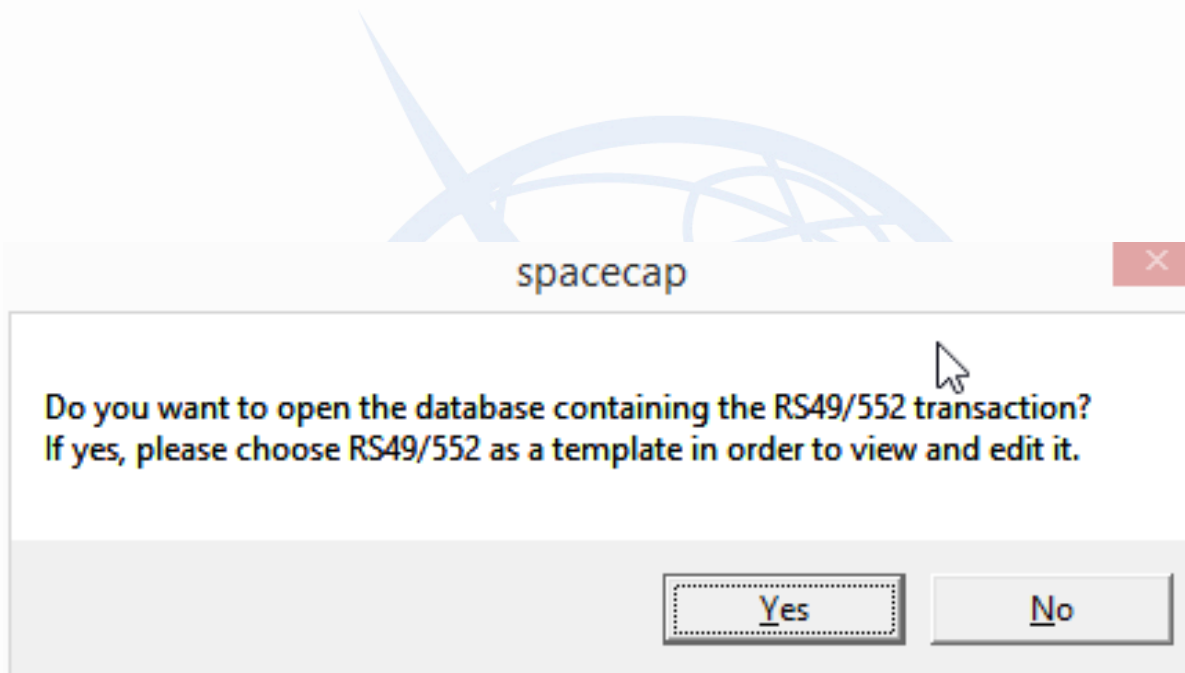
Creating RS49/RS552 transaction. Please Wait | .....

Print List    Show Contiguous Bands    Check On All    Check off All

Create RS49 Filing



# Access Notice with SpaceCap



- Click on “YES”



# Access Notice with SpaceCap

SpaceCapture V8 - [Set Notice Template]

File Edit Tools Template Window Help

CR/NOTIF API RAST PLAN RS49/552

SpaceCap

- Start Page
- Notice Explorer
- Open Notice
- New Notice
- Search

Start Page - RS49/RS552 Due Diligence

Transaction Id:

Current DB : c:\br\_soft\data\RS49\_1\_GSOSAT-2.mdb Click on Notice Explorer to see a list of Notices, or New Notice to create one.



# Run Validation

SpaceCapture V8 - [Set Notice Template]

File Edit Tools Template Window Help

CR/NOTIF API RAST PLAN RS49/552

SpaceCap

Start Page

Notice Explorer

Open Notice

New Notice

Search

### Notice Explorer - RS49/RS552 Due Diligence

Notice id.	Type	Adm./Org.	Orb. Pos.	Network name	Date rcv.	Status
List of notices <span>Count=1</span>						
000000001[A]	G	CBG/	96.1E	GSOSAT-2	20.11.2018	01

Control Box

- Show
- Clone
- Export
- Delete
- To SNS
- CFEX
- SpaceVal**
- Esub



# Validation with SpaceVal

**SpaceVal Dialog** [ - ] [ □ ] [ X ]

**Initiate Validation for:**  
Dbname: c:\nbr\_soft\data\RS49\_1\_GSOSAT-2.mdb  
Ntc ID: 1 Adm: CBG Sat Name: GSOSAT-2 Orb Pos: 96.1 Action:A Status:01 D\_RCV:  
20.11.2018

**Enter parameters for SpaceVal**  Run as external user

**Error message and level selection**  
 Show fatal messages only  Show all messages

**Validation Options**  
 Straps not provided - optional under appendix 4 (WRC2007)  
 Check frequency overlap using assigned frequency bandwidth

**Graphical Data Cross Validation**  
 Cross Validate   
GIMS Database (.mdb)

**ITU internal Options**  
 Skip API check  Skip FixThings  Partial Merge option

Press control button to start SpaceVal



# SpaceVal Report

SNS Validation Errors

Rule Report First Prev Next Last
Space Rules Earth Rules Plan Rules Items Summary Fatal Export

Validation Report for 1 User MARINRAM created on 20.11.2018 14:28:48 with SpaceVal 8.0.17

c:\br\_soft\data\RS49\_1\_GSOSAT-2.mdb

Ntc ID: 1 Adm: CBG Sat Name: GSOSAT-2 Orb Pos: 96.1 Action:A Status:01 D\_RCY: 20.11.2018

Fatal Errors: **11** Warnings: **7**

Beam	E/R	Grp id	Table	Field	Value	Row no	Val err	Rule	Severit	Ap4_Ref	Text
			cmr_syst	isp_name		1 122	1	F			Value missing
				vehicle		1 123	1	F			Value missing
				d_exe		1 124	1	F			Value missing
				d_deliv_fr		1 125	1	F			Value missing
				d_deliv_to		1 126	1	F			Value missing
				facility		1 127	1	F			Value missing
				mftc_name		1 128	1	F			Value missing
				nbr_sat		1 129	1	F			Value missing
				d_exe_m		1 130	1	F			Value missing
				d_deliv_fr_m		1 131	1	F			Value missing
				d_deliv_to_m		1 132	1	F			Value missing
			geo	f_active	A		9354	1	W		CORRECTED: set f_active to 'A'
			notice	f_int_ext	E		9348	1	W		CORRECTED: cleared data not applicable to notice type
RS49	E		s_beam	freq_max	28500.00000		9332	1	W		CORRECTED: set beam min and max frequencies
				freq_min	12200.00000		9332	1	W		CORRECTED: set beam min and max frequencies
<???		0	freq	<all>		0	9329	1	W		CORRECTED: freq table rebuilt for RS49
			grp	act_code			9342	1	W		CORRECTED: set act_code to null for entities related to add notices



# Manufacturer/provider Data

SpaceCapture V8

File Edit Tools View Window Help

CR/NOTIF API RAST PLAN

Forms of Notice Due Diligence RS49/RS552

Notice	Manufacturer/Provider	Group	Remarks
--------	-----------------------	-------	---------

BR41 Commercial Name of the Satellite:

Spacecraft Manufacturer

BR30 Name of the Spacecraft Manufacturer

BR31 Date of Execution of the Contract

BR32 Contractual "Delivery Window" From  To

BR33 Number of Satellites Procured

Launch Services Provider

BR34 Name of the Launch Vehicle Provider

BR35 Name of the Launch Vehicle

BR36 Date of Execution of the Contract

BR37 Anticipated Launch or In-Orbit "Delivery Window" From  To

BR38 Name of the Launch Facility

BR40 Geographical Coordinates

Longitude				Latitude			
Degrees	E/W	Min	Sec	Degrees	N/S	Min	Sec
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

BR39 Country/Location

Use the Navigation buttons in the toolbar to move from one Commercial System to another.

Add Commercial System

Delete Commercial System



# Group Data

Forms of Notice Due Diligence RS49/RS552

Notice	Manufacturer/Provider	Group	Remarks
--------	-----------------------	-------	---------

Notice Id: 1 Administration: CBG Satellite Network: GSOSAT-2

	Commercial System	Frequency from	Frequency to	More
▶	GSOSAT-2	12200.00000	12260.00000	
	GSOSAT-2	12260.00000	12320.00000	
	GSOSAT-2	12320.00000	12380.00000	
	GSOSAT-2	12380.00000	12440.00000	
	GSOSAT-2	12440.00000	12500.00000	
	GSOSAT-2	14500.00000	14540.00000	
	GSOSAT-2	14540.00000	14580.00000	
	GSOSAT-2	14580.00000	14620.00000	
	GSOSAT-2	14620.00000	14660.00000	
	GSOSAT-2	14660.00000	14700.00000	
	GSOSAT-2	14700.00000	14740.00000	
	GSOSAT-2	14710.00000	14750.00000	
	GSOSAT-2	17700.00000	18200.00000	
	GSOSAT-2	27500.00000	28000.00000	
	GSOSAT-2	28000.00000	28500.00000	

Warning! You may use the delete key to delete selected frequency ranges from this submission. The frequency ranges which are not submitted for RS49/552 will be deleted from the corresponding notice





# Res49 Notice

SpaceCapture V8 - [Set Notice Template]

File Edit Tools Template Window Help

CR/NOTIF API RAST PLAN RS4

SpaceCap

- Start Page
- Notice Explorer
- Open Notice
- New Notice

### Notice Explorer - RS49/RS552 Due Diligence

Notice id.	Type	Adm./Org.	Orb. Pos.	Network name	Date rcv.	Status
List of notices <span>Count=1</span>						
000000001 [A]	G	CBG/	96.1E	GSOSAT-2	20.11.18	01

Control Box

- Show
- Clone
- Export
- Delete
- To SNS
- CFEX



# Res49 Publication



UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS  
BUREAU DES RADIOCOMMUNICATIONS

INTERNATIONAL TELECOMMUNICATION UNION  
RADIOCOMMUNICATION BUREAU

UNIÓN INTERNACIONAL DE TELECOMUNICACIONES  
OFICINA DE RADIOCOMUNICACIONES

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RÉSEAU À SATELLITE SATELLITE NETWORK RED DE SATÉLITE		<b>GSOSAT-2</b>		SECTION SPÉCIALE N° SPECIAL SECTION No. SECCIÓN ESPECIAL N.º	
ADM. RESPONSABLE RESPONSIBLE ADM. ADM. RESPONSABLE	<b>CBG</b>	LONGITUDE NOMINALE NOMINAL LONGITUDE LONGITUD NOMINAL	<b>96.1 E</b>	BR IFIC / DATE BR IFIC / DATE BR IFIC / FECHA	
NUMÉRO D'IDENTIFICATION LIÉ LINKED IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN ASOCIADO			<b>1</b>	NUMÉRO D'IDENTIFICATION IDENTIFICATION NUMBER NÚMERO DE IDENTIFICACIÓN	
RENSEIGNEMENTS REÇUS PAR LE BUREAU LE / INFORMATION RECEIVED BY THE BUREAU ON / INFORMACIÓN RECIBIDA POR LA OFICINA EL					<b>20.11.2018</b>



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	
<b>X</b>	§ 1	<b>Annexe 1 à la Résolution 49</b>	<b>Annex 1 to Resolution 49</b>	<b>Anexo 1 a la Resolución 49</b>	
	§ 2				
	§ 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/>



# Res49 Publication

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

A A1a Sat. Network  A1f1 Notif. 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 satel

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
4198.91	MHz	4199.09	MHz	13.12.2016
4199.41	MHz	4199.59	MHz	13.12.2016
5926.05	MHz	5926.95	MHz	13.12.2016
6422.05	MHz	6422.95	MHz	13.12.2016
17700	MHz	17800	MHz	13.12.2016
17700	MHz	18100	MHz	13.12.2016
17800	MHz	18100	MHz	13.12.2016
18100	MHz	18400	MHz	13.12.2016
18400	MHz	18600	MHz	13.12.2016
18600	MHz	18800	MHz	13.12.2016
18800	MHz	19075	MHz	13.12.2016
18800	MHz	19300	MHz	13.12.2016
19075	MHz	19300	MHz	13.12.2016
19300	MHz	19700	MHz	13.12.2016
19700	MHz	20100	MHz	13.12.2016
19700	MHz	20200	MHz	13.12.2016
20100	MHz	20200	MHz	13.12.2016
27500	MHz	28500	MHz	13.12.2016
28500	MHz	28875	MHz	13.12.2016
28500	MHz	29100	MHz	13.12.2016
28875	MHz	29100	MHz	13.12.2016
29100	MHz	29500	MHz	13.12.2016
29500	MHz	29900	MHz	13.12.2016
29500	MHz	30000	MHz	13.12.2016
29900	MHz	30000	MHz	13.12.2016



# Res49 Publication

A4a1 Orbital long. 03 5

**BR41 Commercial name** INMARSAT-5 F1

BR30 Spacecraft manufacturer BOEING SATELLITE SYS

BR31 Date of execution of the contract 05.08.2010

BR32 Contractual delivery window From: 24.07.2013 To:

BR34 Launch vehicle provider ILS

BR35 Launch vehicle PROTON M BREEZE M

BR36 Date of execution of the contract 29.07.2011

BR37 Anticipated launch or delivery window From: 08.12.2013

BR38 Launch facility BAIKONUR

BR39 Country / location KAZ

BR40 Geographical co

C1 Frequency Range

BR1

C1 Frequency Range				BR1
C1a Lower limit		C1b Upper limit		Date of receipt
4198.91	MHz	4199.09	MHz	13.12.2016
4199.41	MHz	4199.59	MHz	13.12.2016
5926.05	MHz	5926.95	MHz	13.12.2016
6422.05	MHz	6422.95	MHz	13.12.2016
17700	MHz	17800	MHz	13.12.2016



# Res49 Publication

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

A A1a Sat. Network  A1f1 Notif. 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 satel

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
4198.91	MHz	4199.09	MHz	13.12.2016
4199.41	MHz	4199.59	MHz	13.12.2016
5926.05	MHz	5926.95	MHz	13.12.2016
6422.05	MHz	6422.95	MHz	13.12.2016
17700	MHz	17800	MHz	13.12.2016
17700	MHz	18100	MHz	13.12.2016
17800	MHz	18100	MHz	13.12.2016
18100	MHz	18400	MHz	13.12.2016
18400	MHz	18600	MHz	13.12.2016
18600	MHz	18800	MHz	13.12.2016
18800	MHz	19075	MHz	13.12.2016
18800	MHz	19300	MHz	13.12.2016
19075	MHz	19300	MHz	13.12.2016
19300	MHz	19700	MHz	13.12.2016
19700	MHz	20100	MHz	13.12.2016
19700	MHz	20200	MHz	13.12.2016
20100	MHz	20200	MHz	13.12.2016
27500	MHz	28500	MHz	13.12.2016
28500	MHz	28875	MHz	13.12.2016
28500	MHz	29100	MHz	13.12.2016
28875	MHz	29100	MHz	13.12.2016
29100	MHz	29500	MHz	13.12.2016
29500	MHz	29900	MHz	13.12.2016
29500	MHz	30000	MHz	13.12.2016
29900	MHz	30000	MHz	13.12.2016



# Finishing Res49 Notice preparation

- Once created and **all information** identified as missing (Fatal Errors) by SpaceVal has been entered, it can be submitted to BR
  - Use e-Submission
- Complete notices will avoid delays to publish the Special Section



# Overview of Resolution 49

## Preparing a Resolution 49 Notice

### **Resolution 552**



# Overview

- **Applies to geostationary-satellite networks in the **BSS** in the **21.4-22 GHz** band**
  - Within 30 days after the *actual commencement*, or *resumption*, of use of the frequency assignments to a satellite network subject to these procedures, the notifying administration shall send to the Bureau the information specified in **Annex 2** to this Resolution
  - If the spacecraft is used for the first time under this Resolution, the information could be supplemented by a copy of the contract with the launch services provider.
  - The information shall be updated and resubmitted to the Bureau by the notifying administration **not later than 30 days** after the *end of life* or the *relocation* of the spacecraft





# Res 552 Procedure

- Upon receipt of the information, BR examines it for completeness
  - If it is complete, BR shall publish it in a BR IFIC (two months)
  
- Within 30 days after the 7-year limit and after the end of the three-year period following the date of suspension
  - if the complete information under this Resolution is **not yet received** by the Bureau, the corresponding frequency assignments shall be **cancelled** by the Bureau



# Required Information

- Data elements are listed in **Annex 2** to Resolution 552 with the following subsections:
  1. Identity of the satellite network
  2. Identity of the spacecraft
  3. Suspension information



# 1. Identity of the satellite network

- a)** Identity of the satellite network
- b)** Name of the notifying administration
- c)** Orbital characteristics
- d)** Reference to the API special section
- e)** Reference to the CR/C special section
- f)** Reference to the notification, when available
- g)** Frequency band(s)
- h)** First date of bringing into use\*
- i)** Regulatory status
  - satellite network under operation (§2 data only)
  - satellite network suspended (§3 data only)

\* Inserted by the Bureau



## 2. Identity of the spacecraft

- a)** ITU ID number, or
- b)** spacecraft manufacturer
  - Name of the spacecraft manufacturer
  - Date of execution of the contract
  - Delivery date
- c)** Launch services provider
  - Name of the launch vehicle provider
  - Date of execution of the contract
  - Name of the launch vehicle
  - Name and location of the launch facility
  - Launch date
- d)** Frequency band(s) present on board the spacecraft



## 3. Suspension information

**a)** Date of suspension\*

**b)** Reason of suspension

- Spacecraft moved to another orbital position, or
- In-orbit failure of the spacecraft, or
- Spacecraft de-orbited, or
- Other reasons (to be specified)

\* Inserted by the Bureau



# Receivability of Res49 and Res552 notices

- **Resolution 55 (rev. WRC-12) and Rules of Procedure on Receivability**
  - Information shall be submitted in **electronic format** compatible with **SpaceCap**
  - From 1st August 2018, in accordance to the revised Rules of procedure relating to Receivability of space notices, **all satellite filings** and Spacecom comments shall be submitted using the ITU web interface “**e-Submission of satellite network filings**” available at <https://www.itu.int/itu-r/go/space-submission> (see Circular Letter CR/434 dated 1 August 2018 for more information).



**Thank you!**

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