



## Resolution 49, Resolution 552 Notices



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# **Prepare a Resolution 49 Notice Filing**

**Resolution 552 Filing** 



#### **Resolution 49**



#### 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
- 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 API 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 notification will not be processed



# 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 § 4.1.3bis or § 4.2.6bis of Article 4 of Appendices 30 and 30A and § 6.31bis 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



### **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

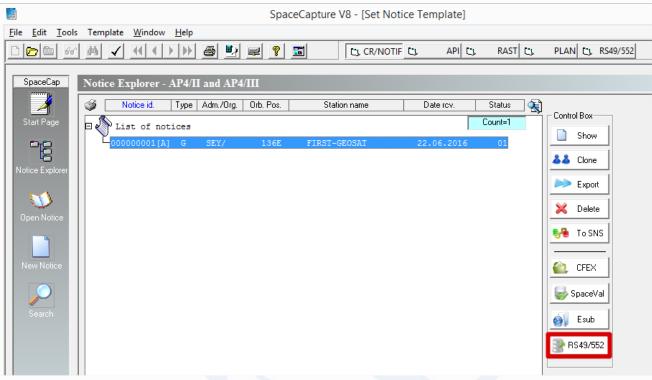


- a) Name of the launch vehicle provider
- b) Date of execution of the contract
- c) Anticipated launch or in-orbit delivery window
- d) Name of the launch vehicle
- e) Name and location of the launch facility



#### **Tools**





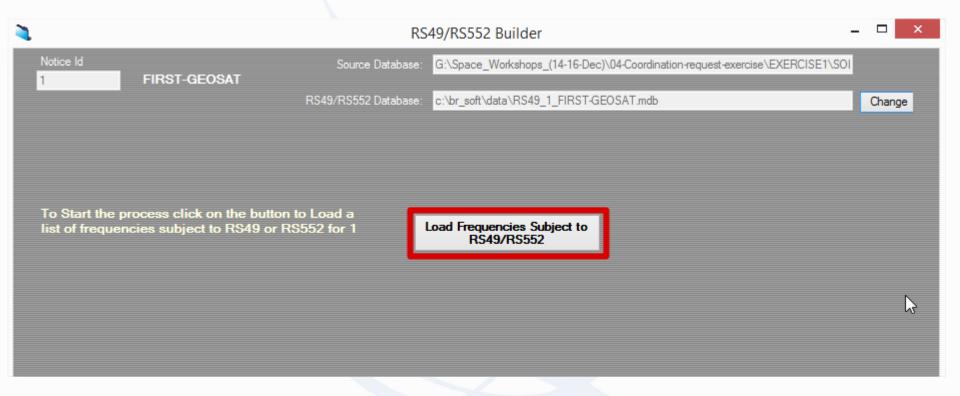
#### To run exercise

<USB KEY>\Space\_Workshops\_(14-16-Dec)\04-Coordination-request-exercise\EXERCISE1\SOLUTION



### **Run the Builder**

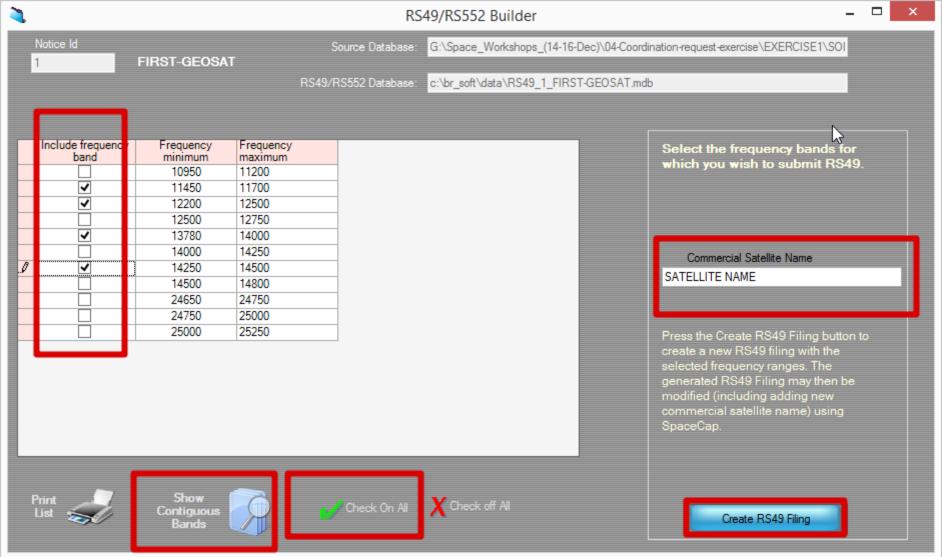






### **Select Frequency Bands**

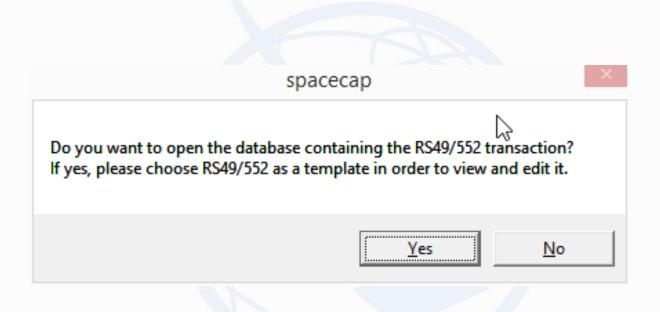






### **Access Notice with SpaceCap**



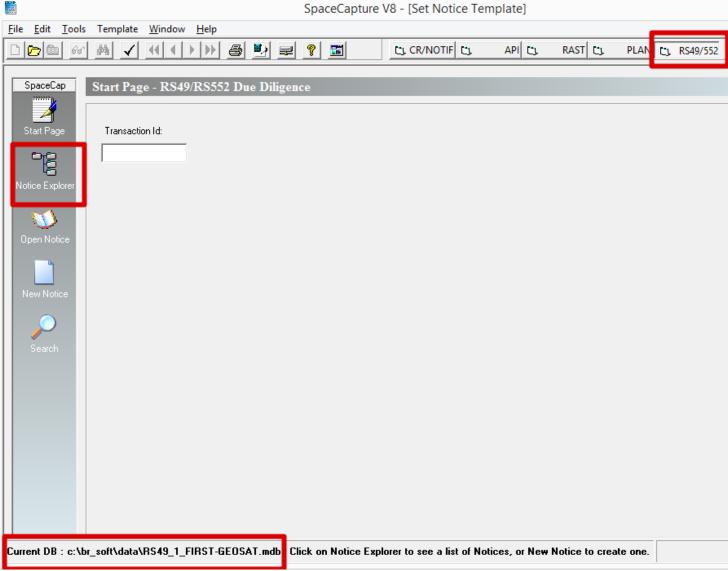


#### Click YES



### Access Notice with SpaceCap

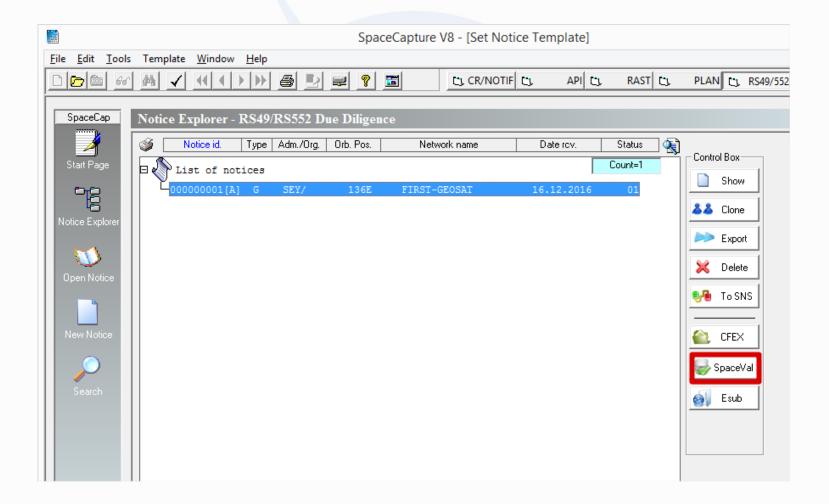






#### **Run Validation**

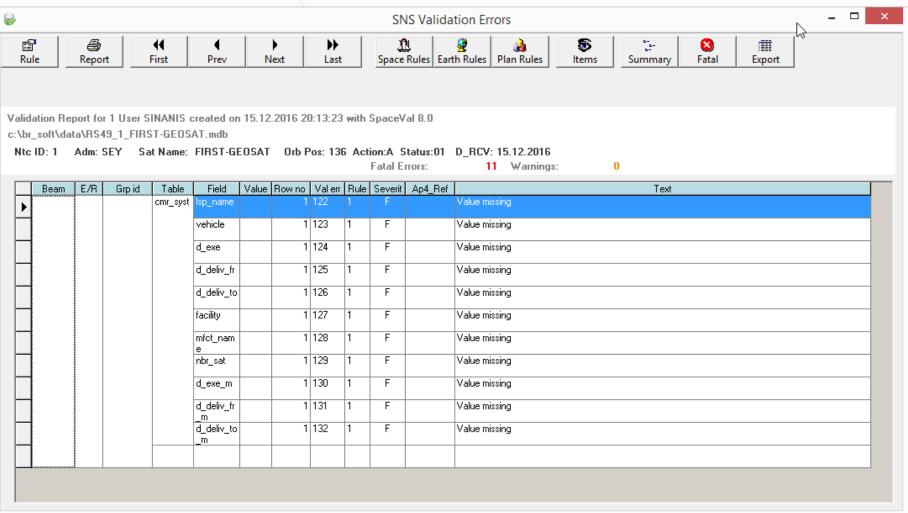






### Validation with SpaceVal







# Manufacturer/provider Data

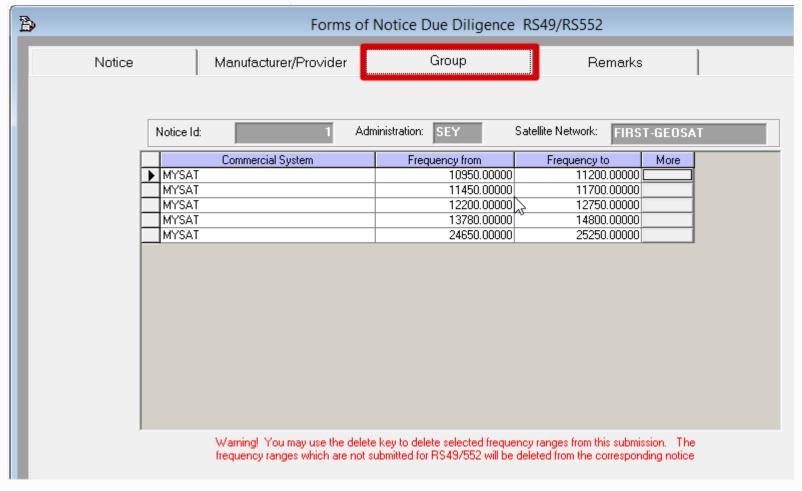


B)	Forms of Notice Due Diligence RS49/RS552	
Notice	Manufacturer/Provider Group Remarks	
	BR41 Commercial Name of the Satellite:  Spacecraft Manufacturer  BR30 Name of the Spacecraft Manufacturer  BR31 Date of Execution of the Contract  BR32 Contractual "Delivery Window"  BR33 Number of Satellites Procured  From  To	Use the Navigation buttons in the toolbar to move from one Commercial System to another.
	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	Add Commercial System  Delete Commercial System
	BR38 Name of the Launch Facility  BR40 Geographical Coordinates  Longitude  Degrees E/W Min Sec Degrees N/S Min Sec	



### **Group Data**







### Receivability



- Resolution 55 (rev. WRC-12) and Rules of Procedure on Receivability
  - Information shall be submitted in electronic format compatible with SpaceCap
  - For email submission, a confirmation by telefax or mail is required within 7 days of the date of the email
  - Note that the validation of Res49 notices by Spaceval is now available
    - Important to validate the notice manually before submission!







Resolution 552 (WRC-2012)



#### **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





# Thank you!

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