

Coordination Request

Capture exercise, Validation, and Correction

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ITUEvents

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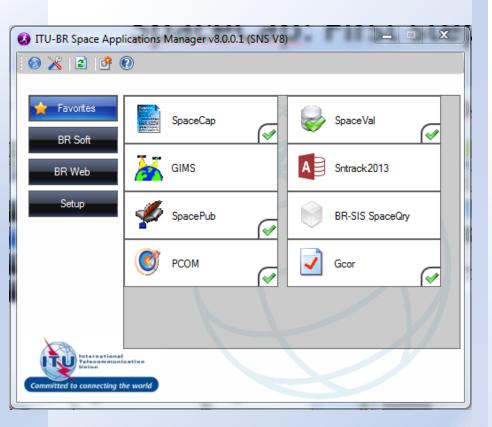
www.itu.int/go/ITU-R/WRS-18



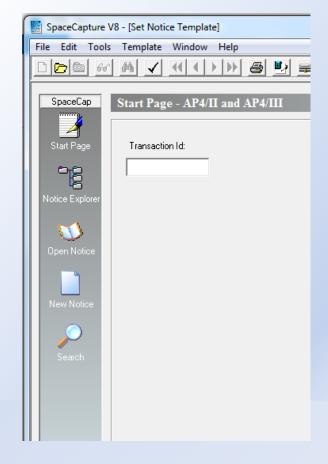


SpaceCap: First steps

Launch SAM



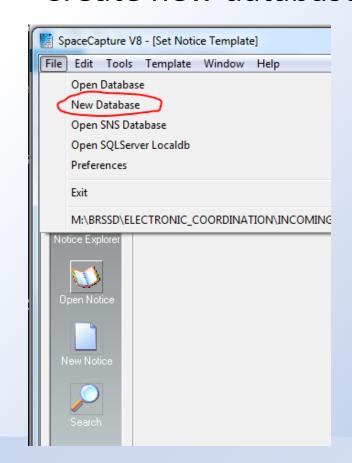
Launch SpaceCap





SpaceCap: new database

Create new database

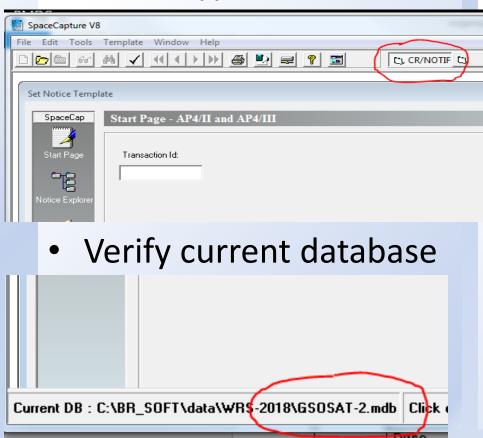




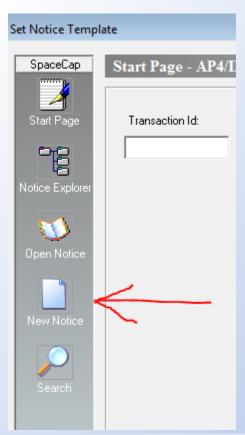


New coordination notice

Select type of notice



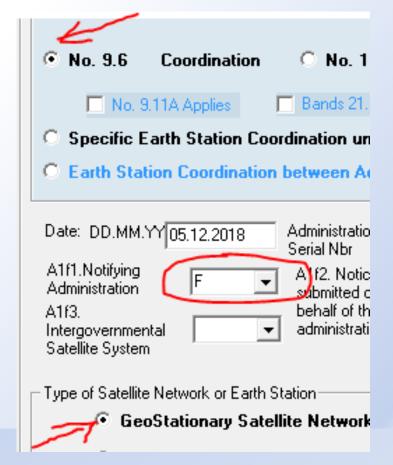
Then click "New Notice"





Basic network information

"Notice-level" data



"Station-level" data A1a. Identity of the Satellite Network GSOSAT-2 ·A4a. For GeoStationary Satellites Only 1. Nominal Orbital Longitude Longitudinal tolerance (degrees): Degrees E/W a. To West 0.05 b. To East 0.05lΕ 96,10 2c. Inclination Excursion: 0.05 A16a. Commitment to meet off-axis power O Yes O No ⊙ N/A limitations (applicable bands 12.75-13.25 GHz, 13.75-14.5 GHZ and 29.5-30 GHz) A17a. Commitment to meet power-flux density limits. O Yes O No ⊙ N/A (applicable bands 1164-1215 MHz) A18a Commitment of aircraft earth station C Yes C No N/A (applicable bands 14-14.5 GHz). A16c Commitment to meet separation distance of C Yes C No N/A No. 5,509E and PFD limits of 5,509D BR96 Commitment under resolves 1.5 of Res 156 O Yes O No @ N/A



Beam characteristics

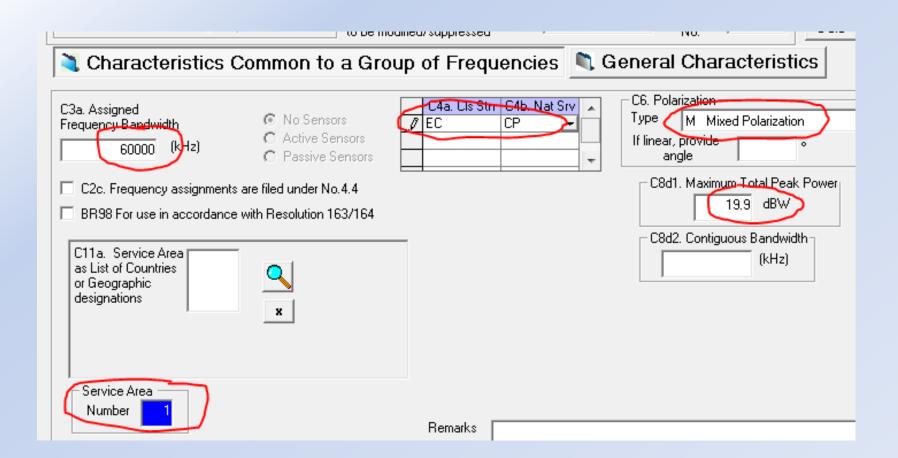
Click on the "Beam" tab

— Characteristics of the Beam			
B1a. Beam Designati C Receiving Beam Old Beam Designati Transmitting Beam (if changed)		B1b. C Add Steerable C Mod Beam C Sup	of the Beam Beam Sensor
Antenna Characteristics			
B3a1. Maximum B3d. Pointing Isotropic Gain Accuracy +/- dBi Degrees +/- 34.2 0.1			
Antenna Radiation Pattern B3c1. Co-polar Radiation Pattern Id:			
or B3c1 Pattern in the form of equations/diag. See Attach no.			
Remember to specify the attachment no of the new Reference Pattern.			
B3b1b - Method required in ROP 21.16			
Applicable PFD will be met by applying the	e method in Annex 1 of ROP		



"Group-level" data

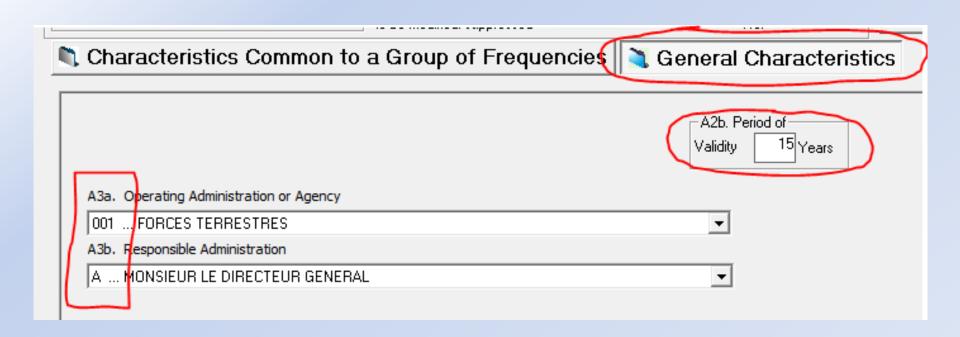
Click "Group" tab: "Common characteristics"





"Group-level" data

Click "General characteristics"





Other "Group-level" data

Emissions data

Emissions of the Associated Transmitting Stations											
	U/a. Designation	C8a1/C8b1. Maximum Peak Power (dBW)	C8a2/C8b2. Maximum Power Density	Emission of Type C8b	C8c1. Minimun Peak Power (dBW)	C8c2. Attch No. Pep	C8c3. Minimum Power Density	C8c4. Attch No. Mpd	C8e1, C/N objective (total - clear sky) (dB)	C8e2. Attch No. C/N	C9 Modulation Char
	36M0G7W	18.1	-57.4		8.1		-67.4		14.9		

Frequency assignments

	C2a1. Assigned Frequencies	k/M/GHz 🔺	
	12.230000	G	1
	12.290000	G	
	12.350000	G	
L			

Coordination: capture



Associated Earth Station

C10b2. Type of Station Typical © Specific	C10b1. Associated Ea TYPICAL K1D 2.4M	arth Station Name	of the station -
C10d1. Cls Stn C10d2. Nat Srv TC CP C10d. Antenna Characteristics 3. Maximum Isotropic Gain 4. Beamwidth	Old Station Name (if changed)	7. Diameter 2.4 Meters	Antenna Radiation Pattern C10d5a1. Co-polar Radiation Pattern Id: REC-580-6 ==> APEREC015781 C10d5a2. Diagram attached. See Attachment no.: or diagram no in Gims database



Congratulations!

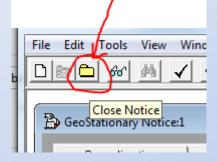
 Return to Group tab to force SpaceCap to save the associated earth station data



Then you can close your notice by either on

the







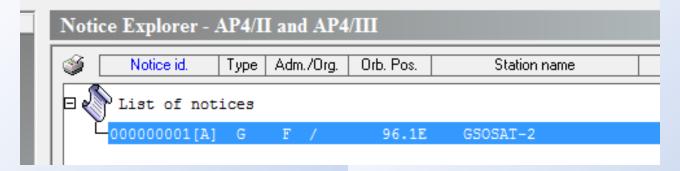
Using SpaceVal

RUNNING SPACEVAL ON GSOSAT-2



You should already be on the "Notice Explorer" screen

 Select the notice by clicking on it

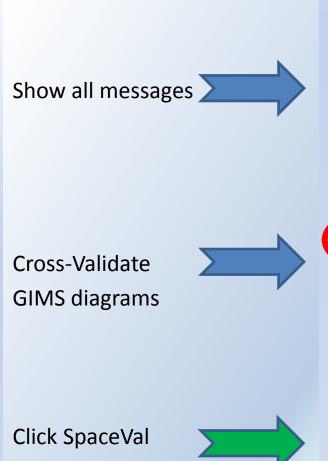


 Click the SpaceVal button

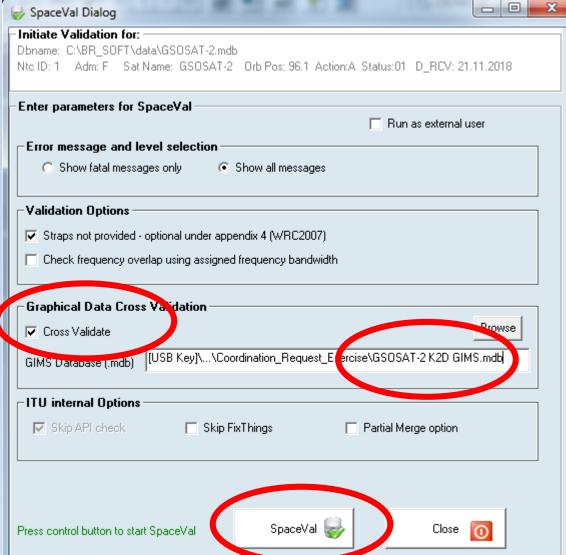




Two main areas

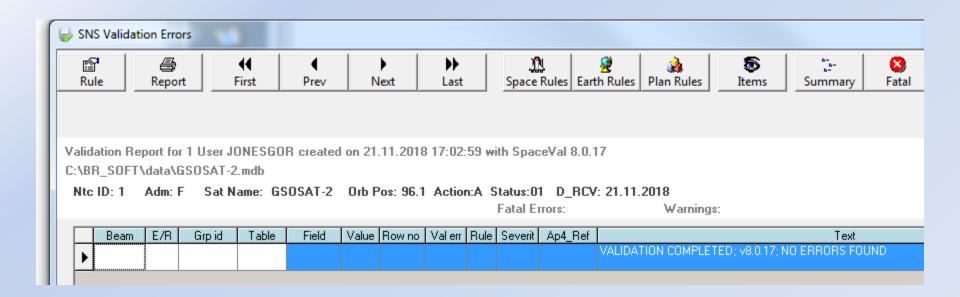


SpaceVal dialog box





The validation report will pop up when SpaceVal has completed checking – it should look like this



Coordination: Validation

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Hints and Suggestions



 Separate Mobile-, Fixed- and Broadcasting- groups into different beams



 Separate frequencies limited to a particular service area into different beams



 Contact the Bureau if you have questions about the Validation report