



ITUEvents

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Converting a Coordination Notice to Notification for Recording

(Non-plan, space services)

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Overview

- **Steps that we will follow to convert a coordination notice to a notification**
 - Identify the CRC notice
 - Clone CRC notice into a Notification notice type
 - Update notice-level parameters
 - Update group-level parameters
 - *Date of Bringing into Use*
 - *Obtained Coordination Agreements*
 - Run Validation and analyze results



Exercise

Name	Date modified	Type	Size
 GSOSAT-2 - Conversion - Solution.mdb	23.11.18 10:31	Microsoft Access ...	2,176 KB
 GSOSAT-2 - Conversion.mdb	23.11.18 11:13	Microsoft Access ...	2,668 KB

Navigate to:

<USB>\Space Workshop\Day 3\Coordination_to_Notification Conversion

Open with SpaceCap: GSOSAT-2 – Conversion.mdb

(Make a copy)



Identify and Clone Notice

The screenshot shows the SpaceCapture V8 software interface. The main window is titled "Notice Explorer - AP4/II and AP4/III". It displays a table of notices with the following columns: Notice id., Type, Adm./Org., Orb. Pos., Station name, Date rcv., and Status. A single notice is selected and highlighted in blue:

Notice id.	Type	Adm./Org.	Orb. Pos.	Station name	Date rcv.	Status
000000001 [A]	G	F /	96.1E	GSOSAT-2	28.09.18	01

On the right side of the interface, there is a "Control Box" with several buttons: "Show", "Clone", "Export", and "Delete". The "Clone" button, which features two person icons, is highlighted with a red rectangular box.

Open and select the coordination transaction with SpaceCap
Select the clone option



Identify and Clone Notice

Clone Dialog

Clone Parameters

Clone ID.

Date of Receipt

Notice Status

Action Code Add Mod Sup

Category Notification Coordination Grp mapping

External/Internal
 External
 Internal
 Review
 WithDraw

Beams All None Emitting Receiving

Groups Yes No

Coordination Yes No

Special Sections Yes No

Straps Yes No

Noise Gama Yes No

BR Data

Coordination Yes No

Special Sections Yes No

Findings Yes No

Notice and Grp Links Yes No



Open cloned notice

The screenshot shows the SpaceCapture V8 software interface. The main window is titled "Notice Explorer - AP4/II and AP4/III". It displays a table of notices with the following columns: Notice id, Type, Adm./Org., Orb. Pos., Station name, Date rcv., and Status. The table contains two entries, with the second entry (Notice ID 2) highlighted in blue. A "Control Box" on the right side of the window contains three buttons: "Show" (highlighted with a red box), "Clone", and "Export".

Notice id	Type	Adm./Org.	Orb. Pos.	Station name	Date rcv.	Status
000000001 [A]	G	F /	96.1E	GSOSAT-2	28.09.18	01
000000002 [A]	G	F /	96.1E	GSOSAT-2	29.11.18	01

Select the cloned notice (with Notice ID = 2) and click **SHOW**



Verify Notice Type

SpaceCapture V8

File Edit Tools View Window Help

CR/NOTIF API RAST PLAN RS49/552

GeoStationary Notice:2

Notice Station Beam Strapping Noise Gamma Attachments

Notice Id: 2 AP4/II and AP4/III (Appendix 4 - Annex 2A) 29.11.18 Status 01

Notice submitted under/for:

No. 9.6 Coordination **No. 11.2 Notification** **First Notification** Resubmission

No. 9.11A Applies Bands 21.4 to 22 GHz Special Procedure

Specific Earth Station Coordination under No. 9.7A Earth Station Coordination under No. 9.21

Earth Station Coordination between Administrations under No. 9.17

Date: DD.MM.YY 29.11.18 Administration Serial Nbr

A1f1, Notifying Administration F A1f2, Notice submitted on behalf of these administrations. + x

A1f3, Intergovernmental Satellite System

Notice intended for

Addition Modification Suppression

BR Identification No. of Station to be modified/suppressed

Type of Satellite Network or Earth Station

GeoStationary Satellite Network Specific Earth Station

NonGeoStationary Satellite Network Typical Earth Station

More...

Ensure that **11.2 Notification** and **First Notification** are selected



Update Group Data

SpaceCapture V8

File Edit Tools View Window Help

CR/NOTIF API RAST PLAN RS49/552

GeoStationary Notice:2

Coordination Attachments Notice | Special Section Station | Assoc Earth Station Beam | Assoc Space Station **Group** | Strapping Emissions | Noise Gamma Frequencies

Notice: 2 Satellite Network: GSOSAT-2 Beam Id: K2U R Group Id: 36 Split Grp Id:

3. Observed Frequencies and Related Characteristics

Add Mod Sup of the group BR Identification of the Group to be modified/suppressed Page No. 14 BR Data

Characteristics Common to a Group of Frequencies **General Characteristics**

C3a. Assigned Frequency Bandwidth: 40000 (kHz)

No Sensors Active Sensors Passive Sensors

C4a. Cls Stn	C4b. Nat Srv
EC	CP

C2c. Frequency assignments are filed under No.4.4 BR97 No.11.43A
 BR98 For use in accordance with Resolution 163/164

C6. Polarization Type: M Mixed Polarization
If linear, provide angle: °

C5a. Receiving System Noise Temperature: 631 Kelvins

C11a. Service Area as List of Countries or Geographic designations

Service Area Number: 1

Remarks:

Click on Beam, Group and then on **General Characteristics**



Date of Bringing into Use

SpaceCapture V8

File Edit Tools View Window Help

CR/NOTIF API RAST PLAN RS49/552

GeoStationary Notice:2

Coordination	Special Section	Assoc Earth Station	Assoc Space Station	Strapping	Noise Gamma
Attachments					
Notice	Station	Beam	Group	Emissions	Frequencies

Notice: 2 Satellite Network: GSOSAT-2 Beam Id: K2U R Group Id: 36 Split Grp Id:

3. Observed Frequencies and Related Characteristics

Add Mod Sup of the group BR Identification of the Group to be modified/suppressed Page No. 14 BR Data

Characteristics Common to a Group of Frequencies | General Characteristics

A2a. Date Bringing into use: 29.11.18

A2b. Period of Validity: 50 Years

A3a. Operating Administration or Agency: 001 ... FORCES TERRESTRES

A3b. Responsible Administration: A ... MONSIEUR LE DIRECTEUR GENERAL

To apply this information to other groups, select the beam or notice option.

Apply to current group only Apply to all groups in this beam Apply to all groups in this notice

Apply the DBiU to the rest of the beam groups or to all notice's groups



Special Sections

SpaceCapture V8

File Edit Tools View Window Help

CR/NOTIF API RAST PLAN RS49/552

GeoStationary Notice:2

Attachments	Station	Beam	Group	Emissions	Frequencies
Notice	Special Section	Assoc Earth Station	Assoc Space Station	Strapping	Noise Gamma
Coordination					

Notice Id: 2 Adm: F Satellite Network: GDSAT-2 Beam Id: K2U R Group Id: 36

Information Common to List of Groups in this Beam

A13.

Special Section AR 11/A (RR1042)	
Special Section AR 11/C (RR1060)	
Special Section ART. 14 (RR1610)	
Special Section API/A (9.1)	1234
Special Section CR/C (9.6)	1234
Special Section AP30-30A/F/C	

Other Special Sections	
Reference	Number

To apply Special Section data to other groups, select the beam or notice option.

Apply to current group only Apply to all groups in this beam Apply to all groups in this notice

- Enter API/A and CR/C special section numbers



Enter Coordination Agreements

The screenshot shows the SpaceCapture V8 interface. The 'GeoStationary Notice:2' window is open, displaying a table for coordination agreements. The table has columns for Provision, Status, and Adm/Org. The first row is highlighted with a red box, showing a provision of 9.7 and a status of 'Obtain IND/'.

Provision	Status	Adm/Org	Adm/Org	Adm/Org	Adm/Org	Adm/Org	Adm/Org	Adm/Org	Adm/Org	Adm/Org	Adm/Org	Adm/Org
9.7	Obtain	IND/										

Enter **OBTAINED** coordination agreements and apply accordingly to this group, all groups of the current beam or entire notice



Update of Graphical Data (GIMS)

GIMS Database Explorer

Database
Name: gosat-2 (full) gims
Location: m:\br_seminar\wrs-18\usb key material\space workshop\day 3\coordination_to_notificatio

Browse for ...
 Geostationary Satellites Non-geostationary Satellites

Notice ID: Filter by
Satellite Name

Apply last filters at startup

Select only :
 CO (Gain Contours)
 SA (Service Area)
 AG/GSO (Gain towards the GSO)

Ignore : C (Co-polar) E (Emission = Down Link)
 X (Cross-polar) R (Reception = Up Link)

Notice	Reason	Admin.	Satellite Name	Position
1		F	GSOSAT-2	96.1

Context menu for Notice 1:
Clone
Export
Remove
Edit
Edit Position
Validate
Excluded countries

Notice Cloning

Enter the ID of the new notice

- Start GIMS and Navigate to <USB>/\Space Workshop\Day 3\Coordination_to_Notification Conversion and open the GSOSAT-2 (full) GIMS.mdb file
- Clone it and enter a new notice id 2 (it has to match that of the notification notice)



Edit GIMS data

GIMS Database Explorer

Database
Name: gsosat-2 (full) gims
Location: m:\br_seminar\wrs-18\usb key material\space workshop\day 3\coordination_to_notificatio

Browse for ...
 Geostationary Satellites Non-geostationary Satellites

Notice ID: Filter by: Satellite Name

Apply last filters at startup

Select only:
 CO (Gain Contours)
 SA (Service Area)
 AG/GSO (Gain towards the GSO)

Ignore:
 C (Co-polar) E (Emission = Down Link)
 X (Cross-polar) R (Reception = Up Link)

Notice	Reason	Admin.	Satellite Name	Position
1	C	F	GSOSAT-2	96.1
2				96.1

Context menu for Notice 2:
Clone
Export
Remove
Edit
Edit Position
Validate
Excluded countries

Notice Key Editor

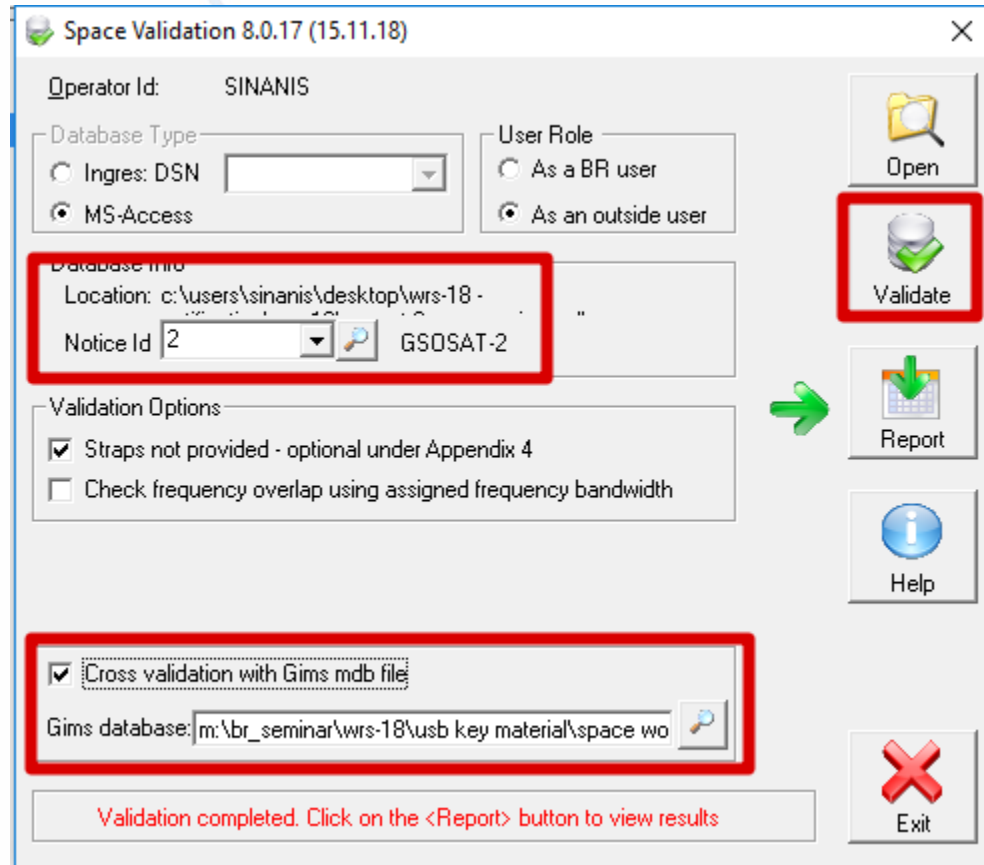
Edit the following fields

Notice ID	2
Notification Reason	N (Notification)
Administration	F
Satellite Name	GSOSAT-2

- Edit the notice and update the **Notice ID** and **Notification Reason**



Launch SpaceVal



- Make sure to select **Notice Id** and **Gims database**



SpaceVal Report

SNS Validation Errors

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

Validation Report for 2 User SINANIS created on 05.12.18 13:02:30 with SpaceVal 8.0.17
F:\zzz WRS-18 - Notification\WRS-18\GSOSAT-2 - Conversion.mdb
Ntc ID: 2 Adm: F Sat Name: GSOSAT-2 Orb Pos: 96.1 Action:A Status:01 D_RCV: 29.11.18
Fatal Errors: 0 Warnings: 1

Beam	E/R	Grp id	Table	Field	Value	Row no	Val err	Rule	Severit	Ap4_Ref	Text
KATD	E	35	e_as_stn	bmwidth	0.9	1	695	4	W	C.10.d.4	Value outside computed allowable range (0.97 - 1.24)



Missing Coordination Agreement Entries

SNS Validation Errors

Validation Report Summary for 2 User SINANIS created on 11.12.2016 19:36:26 with SpaceVal 8.0
C:\Users\sinanis\Desktop\WRS-16 (Local)\FIRST-GEOSAT - SOLUTION.mdb
Ntc ID: 2 Adm: SEY Sat Name: FIRST-GEOSAT Orb Pos: 136 Action:A Status:01 D_RCV: 11.12.2016
Fatal Errors: 19 Warnings: 0

E/R	Table	Field	Value	Row no	Val err	Rule	Severit	Appl Ref	Text
E	provn						F		Error : no rows found in table (provisions)
R							F		Error : no rows found in table (provisions)

Missing coordination agreements may lead to unfavorable findings
BUT Notice is considered **receivable**



Submit Notice to BR

- **Appendix 4** mdb file
- **GIMS** mdb file
- Attachments and/or Notes
- Cover Letter with any instructions, explanations, etc.
- **TO BE SUBMITTED** using **e-Submissions**



Summary

- **CRC notice conversion to a Notification by cloning**
- **Basic validation fixes were shown to render notice complete**
- **The Notification process is detailed in the next session**
- **Contact us with your questions on specific case**



Thank you!

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