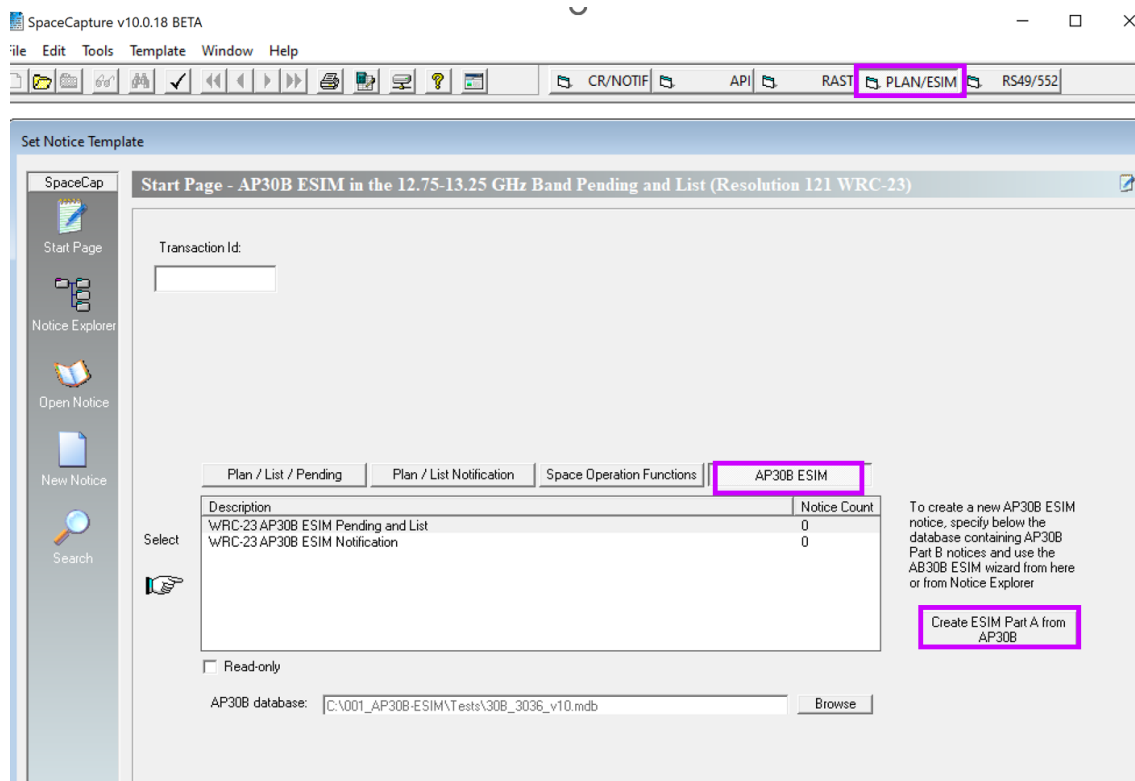


Preparation of notices for Earth Stations In Motion on aircraft and vessels communicating with Geostationary space stations in the Fixed-satellite service in the 12.75-13.25 GHz frequency band under Resolution 121 (WRC-23) (hereby referred to as AP30B-ESIM).

In accordance with *resolves* 2 of Resolution **121 (WRC-23)**, only Appendix **30B** (AP30B) satellite networks entered in the AP30B List and recorded in the Master International Frequency Register (MIFR) can be used in support of the use of AP30B-ESIM.

Administrations can also submit an AP30B-ESIM notice if the supporting satellite network has been submitted to the Bureau for entering into the List and recording in the MIFR, but not yet processed by the Bureau. In such case, if the notice related to the supporting AP30B satellite network is returned to the notifying administration, the AP30B-ESIM notice will be considered as not receivable.

Starting from AP30B satellite networks satisfying the conditions above, SpaceCap offers a wizard function to help administrations to generate the notice for AP30B-ESIM. The wizard transfers the uplink structure of the supporting satellite network in the AP30B-ESIM notice with the same characteristics as the uplink part of the supporting network.



Create AP30B ESIM Part A

Please follow the steps below to create a new AP30B ESIM Part A notice:

Step 1) Select AP30B database: C:\001_AP30B-ESIM\Tests\30B_3036_v10.mdb Browse

Step 2) Select the notices from which to create the ESIM notice:

Step 2.1): A1f1. Notifying Administration: GRC
A1f3. Intergovernmental Satellite Organization:

A4a1. Nominal Orbital Longitude: 39.00° E

Step 2.2) Click on '+' and when finished click in this list box:

108559011
115559056 +
x

Step 3) Provide the notice id of the new or existing AP30B ESIM Part A notice: 1

Step 4): Generate AP30B ESIM Part A notice or append beams to existing notice

AP30B-ESIM notices consist only of earth-to-space link.

Once the structure has been created, administrations need to capture some main elements.

Forms of Notice AP30B ESIM Pending and List

Notice | Beam | Strapping | Coordination

Notice Id: 1 Plan: AP30B ESIM in the 12.75-13.25 GHz Band (Resolution 121 WRC-23) Status: 01

Date of Receipt: DD.MM.YYYY Administration Serial Number

A1f1. Notifying Administration: GRC
A1f3. Intergovernmental Satellite Organization:

Notice Submitted under

- ☒ RES121#A1 ESIM Part A New ESIM system
- ☐ RES121#A11 ESIM Part B Inclusion of ESIM system in the List
- ☐ RES121#A20 ESIM Part B Provisional inclusion of ESIM system in the List

A13e. Notice ID of the supporting AP30B assignment(s): 108559011
115559056 +
x

A4a1. Nominal Orbital Longitude: 39.00° E

A1a. Identity of the AP30B ESIM:

A4a2. Longitudinal tolerance: b. West ° a. East °

A4a2c. Inclination Excursion: °

List of Available Beams

- Beam E001
- Beam E002
- Beam E003
- Beam E004

Administrations may also need to specify in more details the linkage between the AP30B-ESIM groups and the groups of the supporting AP30B satellite network(s).

Forms of Notice AP30B ESIM Pending and List

Strapping Coordination
Notice Beam **Group** Emissions/Frequencies Srv Area/Typical Antenna

Notice AP30B ESIM Beam Id E001 R Group Id: 1 Split Grp Id:

Characteristics Common to a Group of Frequencies General Characteristics

C3a. Assigned frequency bandwidth 250000 (kHz)

C4a. Class of Station EC

C1. Frequency Range
☒ Frequency Band 12.75 - 13.25 GHz
☐ Lower Frequency Band 12.75 - 13.00 GHz
☐ Upper Frequency Band 13.00 - 13.25 GHz

Manage Supporting Groups

Remarks

Manage Supporting Groups

108559011
☒ E001 40540
☒ E002 40541
☒ E004 40542
115559056
☒ E001 46760
☒ 46761
☒ 46762

Select all available uplink groups of the associated AP30B notices

To capture the graphical information like uplink satellite antenna gain contours and associated service area, administrations need to use the GIMS software.

The submission to the Bureau is to be done through the e-Submission portal.

API and Coordination

API C/R/C

Notification

Space Station Earth Station RA Stations Resubmission

Due Diligence

Non plan Res49/552 AP30B Res49 AP30B Res49

Spacecom Comments

SpaceCom Comments

Broadcasting Satellite Service (AP30/30A)

AP30/30A Part A AP30/30A Part B AP30/30A Notification

Space Operation Functions supporting BSS (

AP30/30A Article 2A Article 2A Notification

Fixed Satellite Service (AP30B)

AP30B A6A AP30B A6B AP30B Notification

AP30B ESIM

AP30B ESIM Part A AP30B ESIM Part B ESIM Notification

Submission of AP30B-ESIM notice is subject to cost recovery in accordance with the [Council Decision 482 \(modified -C2024\)](#).