

## SpaceCap 8.0.16 Update 26 August 2020

SpaceCap 8.0.16 adds two minor improvements/fixes:

- Prevent crashing when opening an AP30B notice when the latest reference database is copied to the PC
- Show the appropriate message when a V9 database is opened

## SpaceCap 8.0.15 Update 2 July 2020

SpaceCap 8.0.15 adds the following features:

- Support capture of new WRC-19 AP4 orbital information for API
- New cost recovery analysis tool
- Labels and fields naming changes per WRC-19 changes (within the scope of data items already available in SNS V8 database schema, which have been renumbered by WRC-19).
- Checkbox B2bis.a renamed to B.2.a.1 and is Yes by default. If unchecked, the following message appears:
  - “Removing the check B.2.a.1 means that the space station will transmit continuously everywhere, and if this is not so, and not due to visibility over the service area. Please provide the description of the non-continuous transmission in a separate attachment.”
- Feature to apply same characteristics to all emissions in notice
- Feature to set the date and time for all satellites on selected orbital planes
- Feature to automatically populate phase angles from a starting angle and increment

SpaceCap 8.0.15 delivers the following improvements:

- Improvement of description of NGSO diagram types
- Improvements in the capture of attachment no. vs. GIMS diagram no.
- Improvements in handling frequency symbols and ranges in API frequencies
- Improvements in handling frequency symbols and values in assigned frequencies
- Improvement in Delete function in Emissions/Frequencies tab for Planned notices in C2a. Assigned Frequencies grid.
- Improvement in displaying the class of station in Advanced Publications.
- Improvements in saving changes for existing and new notices across Station and Beam tabs for NGSO notices.
- Improvement in saving changes for Name of Launch Vehicle for RS49 notices.
- Removed connection to obsolete functionality “Analyze Group”.
- Checking if BRSIS-Validation is installed
- No longer showing the Previous Assoc. Space Station Name and Previous Beam Name in Associated Space Station capture for Notification
- Removed capture of associated earth station for GSO API
- Improved support for reducing the number of satellites per orbit
- Improved support for capturing satellite/orbit link information

SpaceCap 8.0.15 contains the following fixes:

- Fix for saving check box “9.11A Applies” when converting Coordination into Notification
- Fix for carrier frequency capture issue - now available only for NGSO API
- Fix for refresh of notice explorer
- Changing the action code of the notice to ADD, no longer displays target Id
- Fix for loading of controls and labels in Beam tab when creating or editing notices with reference body Earth or other reference body.
- Fixing an issue in assigning frequencies (in MHz) for API, when the number of decimals exceeds 6.
- Enabling Save functionality for NGSO notices details in section A4b7 (Orbital information 3 of 3)
- Fixing manual entry of phase data and Save functionality in grids in (Orbital information 2 of 3, Orbital information 3 of 3)

## SpaceCap 8.0.12 Update 30 January 2020

SpaceCap 8.0.12 adds the following features:

- SpaceCap has been updated to allow users to launch the Validation Report Viewer that is a part of the new BRSIS-Validation software.
- Add a new function to prepare an incoming notice for Mspace in the case of Appendices 30 and 30A.

### **SpaceCap 8.0.11 Update 8 January 2020**

SpaceCap 8.0.11 adds the following features:

- Removal starting from this version of the existing SpaceVal software. The existing SpaceVal software is now obsolete and it is replaced by the new BRSIS-Validation software. SpaceCap has been updated to allow users to launch the new BRSIS-Validation software to validate satellite network filings.

### **SpaceCap 8.0.10 Update 9 October 2019**

SpaceCap 8.0.10 adds the following features:

- Improvement of the presentation of modulation form and the capture of its corresponding data
- General improvement of the capture of NGSO filings
- Correct a bug related to Plan filings: rebuild correctly the power control of network when assignment(s) are deleted
- Correct a bug related to Plan filings: add the possibility to remove all test points at the group level
- Implementation of the new cost recovery fees calculation for NGSO networks, following the change of the Council Decision 482 (C2019)

### **SpaceCap 8.0.9 Update 9 April 2019**

SpaceCap 8.0.9 adds the following features:

- Improvement of the structure notice module that allows an automatic splitting of groups based on frequencies and class of stations criteria (BR internal processing)
- Improvement of the export module to consider the new internal development concerning handling automatically the partial suppression (BR internal processing)
- Correct a bug related to RES49
- Change the capture data for an earth station coordination filing under 9.7A (notification reason notice.ntf\_rsn is changed from “D” symbol to “C”).
- General improvement of the capture for Plan and Non-Plan filings

### **SpaceCap 8.0.8 Update 16 October 2018**

SpaceCap 8.0.8 adds the following features:

- The improvement of the function that convert an API not subject to coordination into Notification.
- Add the possibility to capture data for an earth station coordination filing under 9.21.
- Add a new button “Esub” to redirect the user from SpaceCap to the BR e-submissions system.
- Update the label and the user message related to C.2.c data to align with its description in Annex 2 of Appendix 4 and the change to the Rules of Procedure relating to No. 4.4.
- Include a new note in the cost recovery summary, following the change of the Council Decision 482 (C2018), in the case of coordination request of NGSO.
- The improvement of the capture of the test points related to Plan filings: inserting a new column with the order number.
- General improvement of the capture for Plan and Non-Plan filings

### **SpaceCap 8.0.7 Update 7 June 2018**

SpaceCap 8.0.7 adds the following features:

- The improvement of the capture of the geographical areas data (C.11.a Service Area as List of Countries or Geographic designations)
- The improvement of the capture of A.17 data (Compliance with power flux-density, pfd, LIMITS)
- The Improvement of the SpaceCap regulatory date setting procedure (BR internal processing)
- Add the possibility to capture Orbit link (B.4.a) for NGSO not subject to coordination
- The area number data C.11.a is stored in grp table in the case of GSO and no more in diag\_grp table.
- Correct a bug related to Non-Plan filings: The flag “f\_pfd\_steer\_default” in the s\_beam table (B3b1b Method required in ROP 21.16) is set to NULL in the case of an update of a receiving beam.
- Correct a bug related to Plan filings: when an elliptical beam is changed to a shaped beam, all parameters for elliptical beams including beamlet (s\_beam.beamlet) are now cleared.
- Correct a bug related to Plan filings: Generate power density (item C8b2) from total power (item C8b1) with two decimals instead of 1 decimal.
- General improvement of the capture for Plan and Non-Plan filings

### **SpaceCap 8.0.6 Update 30 January 2018**

SpaceCap 8.0.6 adds the following features:

- The "Bands 21.4 to 22 GHz" option for notice capture is now disabled (no more need to submit separately the portion with 21.4-22 GHz)
- Capture of A.4.b.7.b data (average number of associated earth stations transmitting with overlapping frequencies per km in a cell): format change from 9.9(6) to 9.9(12)
- Capture of A.4.b.7.c data (average distance between co-frequency cells in kilometers): format change from 9(3).9 to 9(4).9
- General improvement of the capture for Plan filings
- Improvement of the structure notice module that allows an automatic splitting of groups based on frequencies and class of stations criteria (BR internal processing)

### **SpaceCap 8.0.5 Update 19 September 2017**

SpaceCap 8.0.5 adds the following features:

- Correct a bug related to structure group: Split correctly in the case of EI service class with several earth associated stations (BR internal processing)
- Correct a bug in delete network function : clear sat\_lnk table
- Add a new possibility to clone a beam in Mod (BR internal processing)
- Decimal digits: Comply with the format of all fields to the specifications of SNS V8 database structure as defined in the Preface
- Correct a bug in the module that rebuild frequencies info (freq table data generation) for the case of API with active sensors
- Improvement of the capture of Test Points for Plan filings

### **SpaceCap 8.0.4 Update 21 March 2017**

SpaceCap 8.0.4 adds the following features:

- The capture of the emission bandwidth information under C.7.a (necessary bandwidth) for active sensors operating in the Earth exploration-satellite service (active) in the frequency band 9900-10400 MHz is now required (instead of submitting the mean pfd).
- Improvement of the Validation Error report

### **SpaceCap 8.0.3 Update 28 Feb 2017**

SpaceCap 8.0.3 adds the following features:

- Correction to the export module
- Correction to Testpoint form - removal of service area diagram data (C.11.a)

- Review and improvement of the SpaceCap regulatory date setting procedure (BR internal processing)
- The emission designation of the existing active sensors has been converted from “SENSOR” into “-- --SNSOR” in order to align with the implementation of the new Rule Of Procedure relating to A.17.d, which requires administrations to provide the emission (necessary) bandwidth (under C.7.a) information for active sensors operating in the Earth exploration-satellite service in the frequency band 9900-10400 MHz.