

# ITU-BR Space Applications v10.0 Release Notes

Package Name	Package Version	App Name	App Version	Description
<a href="#">SpaceCap</a>	10.0.12	SpaceCap	10.0.12	An electronic tool for preparing Appendix 4 (Rev. WRC-23) data for submission to the BR in the SNS version 10.0 database format
<a href="#">SpaceCom</a>	10.0.0.6	SpaceCom	10.0.0.6	An electronic tool for management of the comments on CR/C, API/A, Part I-S, AP30/E, AP30A/E and AP30-30A/E Part A, AP30-30A/F/C, AP30B-ESIM/D Special Sections
<a href="#">BrSis</a>	10.0.0.0	BrSis	10.0.0.22	BR Space Information System
		BR-SIS Publication	10.0.0.2	Publication Module
		BR-SIS SpaceQry	10.0.0.0	Query SNS formatted databases
		BR-SIS SRSCovert	10.0.0.0	Convert an SNS formatted database from v8/v9/v9.1 to v10
		BR-SIS Validation	10.0.0.0	Validation Module
<a href="#">Gims</a>	15.0.0.5	Gims	15.0.0.5	An electronic tool to allow the capture and modification of graphical data relating to the electronic submission of satellite networks in the space radiocommunication services and that can be used to view the data stored in the graphical reference database.
<a href="#">SAM</a>	10.0.0.3	SAM	10.0.0.3	Space Applications Manager
<a href="#">Gibc</a>	10.0.0.4	Gibc	10.0.0.3	Space Technical Examinations Software
		AP3030A	10.0.0.0	Examination of Appendix30/30A submissions in Regions 1 and 3:
		AP30B	10.0.0.0	Appendix 30B technical examination
		AP30BESIM	10.0.0.9	Appendix 30B ESIM technical examination
		AP7	10.0.0.1	Space Technical examinations software: Determination of the Coordination Area Around an Earth Station based on Appendix 7 of RR.
		AP8 & PFD Space	10.0.0.2	Appendix 8 & PFD Space software determines the coordination requirements of a given GSO satellite network through Appendix 8 calculation of delta T over T, PFD and the application of the coordination arc
		FOS	10.0.0.0	Frequency overlap software
		PFD/EIRP Earth Station	10.0.0.5	GIBC PFD/EIRP Earth Station module

Package Name	Package Version	App Name	App Version	Description
		PFD GSO	10.0.0.6	The PFD software examines GSO satellite networks with respect to terrestrial services
		PFD NGSO	10.0.0.5	The PFD software examines NGSO satellite networks
		PFD Space	V10	PFD Space functionality is moved to the 'Ap8 & PFD Space' module since V10.
		PowerControl	10.0.0.0	Power Control technical examination
<a href="#">SPS</a>	10.0.0.0	SPS	10.0.0.0	Determination of the coordination requirements between the space networks subject to a Plan in Appendices 30 and 30A of the Radio Regulations
<a href="#">Ap7Capture</a>	10.0.0.0	Ap7Capture	10.0.0.0	AP7Capture is a stand-alone application designed for capturing AP7 input parameters for AP7 Analysis

# SpaceCap

An electronic tool for preparing Appendix 4 (Rev. WRC-23) data for submission to the BR in the SNS version 10.0 database format

## 10.0.12

November 28, 2024

BETA release of SpaceCap v10.0 for WRS-24, compatible with the SNS v10.0 database schema (to be introduced in IFIC 3037)

Please see the "What's new in SpaceCap v10?" presentation from WRS-24 (<https://www.itu.int/wrs-24/programme/>)

Contains all features of SpaceCap v9.1, except for the differences listed in the above presentation.

### Known Issues

A number of v10 features have not yet been implemented:

- Wizard to create AP30B ESIM Part A notice (only placeholder)
- Capture of Res121 (AP30B ESIM) data (only partial support)
- Wizard to create Res679 (Inter-Satellite Links) notice
- Capture of Res679 data (Inter-Satellite Links) (only partial support)
- Capture of Res123 data (NGSO ESIM) (only partial support)
- Capture of Res169 data (GSO ESIM) (only partial support)
- Capture of A.40.a.
- Selecting patterns from the modernized reference table of Radio Astronomy antenna patterns (Table 6 in the Preface)
- Capture of new Radio Astronomy antenna patterns
- Capture of Point of Contact for Res121, Res123, Res169, Res679 (only placeholder)
- Capture of action code for orbital phases

# SpaceCom

An electronic tool for management of the comments on CR/C, API/A, Part I-S, AP30/E, AP30A/E and AP30-30A/E Part A, AP30-30A/F/C, AP30B-ESIM/D Special Sections

## 10.0.0.6

November 2024

- Manage comments for Part I-S subject to 11.28.1
- Manage comments for AP30B ESIM
- Compatible with SNS v10

# BrSis

BR Space Information System Package

**10.0.0.0**

November 2024

## BrSis

BR Space Information System

This application contains the following modules :

- [BR-SIS SpaceQry](#)
- [BR-SIS SRSCovert](#)
- [BR-SIS Validation](#)
- [BR-SIS publication](#)

**10.0.0.22**

Novembre 2024

- Compatibility with SNS V10

## BR-SIS Publication

Publication Module

**10.0.0.2**

November 2024

- Compatibility with SNS v10

## BR-SIS SpaceQry

Query SNS formatted databases

**10.0.0.0**

November 2024

- Compatibility with SNS v10

## BR-SIS SRSCovert

Convert an SNS formatted database from v8/v9/v9.1 to v10

**10.0.0.0**

November 2024

- Compatibility with SNS v10

## BR-SIS Validation

Validation Module

## **10.0.0.0**

November 2024

- Compatibility with SNS v10

# Gims

An electronic tool to allow the capture and modification of graphical data relating to the electronic submission of satellite networks in the space radiocommunication services and that can be used to view the data stored in the graphical reference database.

## 15.0.0.5

November 2024

### New

- Implement new NGSO diagrams following WRC-23 decisions

# SAM

Space Applications Manager

**10.0.0.3**

November 2024

- Launch BR space software v10



# Gibc

Space Technical Examinations Software Package

## 10.0.0.4

November 2024

New

- SNS V10 compatible

# Gibc

Space Technical Examinations Software

## 10.0.0.3

November 2024

New

- SNS V10 compatible

## AP3030A

Examination of Appendix30/30A submissions in Regions 1 and 3:

- with respect to the downlink PFD limit of the 1st paragraph of §1 of Annex 1 to Appendix 30
- with respect to the feeder-link PFD limit of the 1st paragraph of §4 of Annex 1 to Appendix 30A and compliance with the off-axis EIRP envelop of Figure A of Annex 3 to Appendix 30A

## 10.0.0.0

December 2024

New

- Compatibility with SNS v10.0

## AP30B

Appendix 30B technical examination

## 10.0.0.0

November 2024

New

- SNS V10 compatible
- Update GIMS libraries

## AP30BESIM

Appendix 30B ESIM technical examination

## **10.0.0.9**

November 2024

**New**

- SNS V10 compatible
- WRC-23 implementation

## **AP7**

Space Technical examinations software: Determination of the Coordination Area Around an Earth Station based on Appendix 7 of RR.

## **10.0.0.1**

November 2024

**New**

- SNS V10 compatible

## **AP8 & PFD Space**

Appendix 8 & PFD Space software determines the coordination requirements of a given GSO satellite network through Appendix 8 calculation of delta T over T, PFD and the application of the coordination arc

## **10.0.0.2**

November 2024

**New**

- SNS V10 compatible
- PFD Space functionality is added

## **FOS**

Frequency overlap software

## **10.0.0.0**

November 2024

**New**

- SNS V10 compatible

## **PFD/EIRP Earth Station**

GIBC PFD/EIRP Earth Station module

## **10.0.0.5**

November 2024

**New**

- Compatibility with SNS v10.0
- Aligned the version with GSO and NGSO

## **PFD GSO**

The PFD software examines GSO satellite networks with respect to terrestrial services

### **10.0.0.6**

November 2024

#### **Bug fix**

- Compliance check cpdf

## **PFD NGSO**

The PFD software examines NGSO satellite networks

### **10.0.0.5**

November 2024

#### **New**

- Compatibility with SNS v10.0
- Modification related to the sensor necessary bandwidth

## **PFD Space**

PFD Space functionality is moved to the 'Ap8 & PFD Space' module since V10.

The PFD software examines satellite networks with respect to other space services to determine inter-regional and inter-service sharing coordination requirements between SOF, planned BSS and FSS (articles 4.1.1 c,e), 4.2.3 a,b,e,f) and Article 7 of Appendix 30)

### **V10**

November 2024

#### **New**

- PFD Space functionality is moved to the 'Ap8 & PFD Space' module since V10

## **PowerControl**

Power Control technical examination

### **10.0.0.0**

November 2024

#### **New**

- SNS V10 compatible

# SPS

Determination of the coordination requirements between the space networks subject to a Plan in Appendices 30 and 30A of the Radio Regulations

## 10.0.0.0

November 2024

### New

- SNS V10 compatible
- WRC-23 modifications

# Ap7Capture

AP7Capture is a stand-alone application designed for capturing AP7 input parameters for AP7 Analysis

## 10.0.0.0

November 2024

### New

- SNS V10 compatible

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