

Introduction to BR Space Software V7

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Content

from V6 to V7

BR Software and Version 7

General Considerations

 Setup, Installation, Update, Information

Aplications

Introduction to each application

Future

Future of BR Space Software

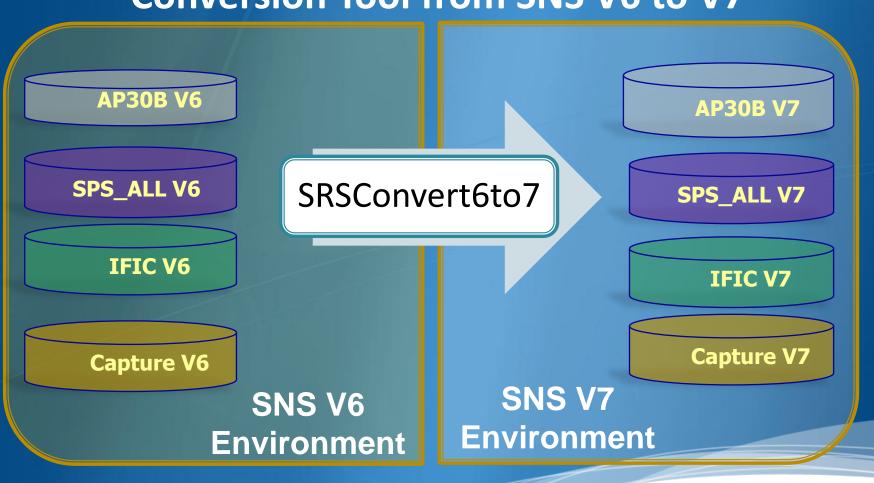
Aplications

- PC based:
 - SpaceQry
 - SpaceCap
 - SpaceVal
 - SpacePub
 - SpaceCom
 - GIMS
 - GIBC
 - SPS
 - Ap7Capture

- Web
 - SNS-on-Line
 - SNL-on-Line
- Software Distribution
 - BR IFIC DVD ROM
 - Downloadable from ITU web site

BR Software and SNS V7

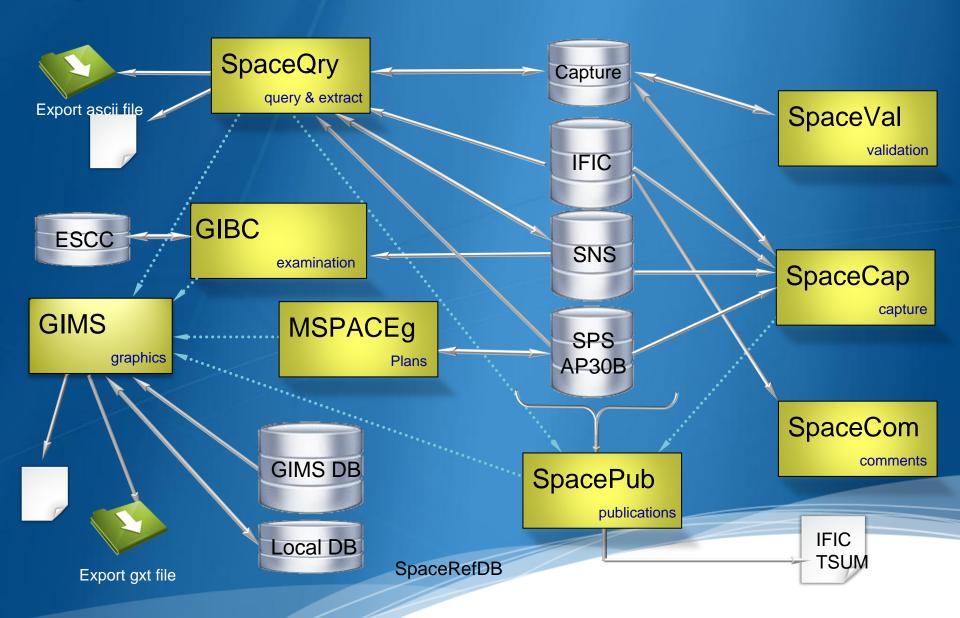
Conversion Tool from SNS V6 to V7



SAM V7 – Space Applications Manager



Space Software and Databases



SpaceCap

- Software for electronic capture of data elements to be furnished in notices relating to space stations
- SpaceCap includes interfaces to capture notice information for:
 - Satellites, EarthStations, Radiioastronomy, API, Res 49, Space Plans
- SpaceCap Wizards:
 - Groups, RS49, DBIU, Submit to ITU, Plan Strapping
- Tools for:
 - Cost recovery, Groups correction
- SpaceVal integration and assisted error correction facility



SpaceCom

- Capture system for comments on Special Sections.
- Designed to assist administrations and the Bureau in the management of the comments on four types of Special Sections:
 - CR/C diferent forms of coordination, now also 9.41
 - API/A
 - AP30/E, AP30A/E AP30-30A/E Part A
 - AP30-30A/F/C



SpaceQry

- The Space Query and Extract System
 - Accesses and queries all BR formatted Space Databases
 - Produces extracts based on the resuls of the queries
- Other characteristics
 - Full access to graphical data through GIMS
 - Link to Space publications software

SpacePub

- Software for publications of satellite networks/earth stations from a SRS formatted database.
- Purduces an RTF, printable document
- Following forms of notice:
 - Satellite and earth stations;
 - Radioastronomy stations;
 - Advance publication;
 - RS49 notice form relating to the administrative due diligence procedure;
 - AP30, AP30A, AP30-30A, AP30B, ART2A notice forms for the Plan.
- Publications in 6 languages



SpaceVal

- Software for Validation
 - Completeness of the forms
 - Correctness
- Operation modes
 - Standalone application—Full validation
 - Integrated in Spacecap (Interactive mode) to validate while capturing data
- Validation Rules for Satellite, Earth Stations and Plan networks
- Crossvalidation with GIMS



GIMS

- Graphical Interference Management System
 - GIMS databases management
 - View, capture and modification of graphical data
 - GXT format management
 - PFD, Gain interpolation tools
- Types of diagrams:
 - Antenna Gain
 - Service area
 - AG/GSO
- Now including also non-GSO, in the forms of images, only for perusal



GIBC

- Technical examinationx to determine coordination requirements on satellite networks.
- Satellite networks, based in criteria:
 - PFD
 - Appendix 8 Noise temperature and Application of the coordination arc.
 - Appendix 30B C/I
- Earth Stations:
 - Appendix 7 coordination area

SPS

SPS – Software for the determination of the coordination requirements for the Plans for space networks in Appendices 30 and 30A

- Consists of 3 major components:
 - MSPACEg software for compatibility analyses
 - SPS reporting tool
 - Utility to update reference situation of BSS Plans/Lists.

SNS-ON-LINE

- Gives access to the Space Networks Systems Database
- Query system (General or Special queries)
- Help, FAQ and news
- Retrieval, download information
- Submission utilities
- Grafics (GIMS and ESCC)
- TIES Registered users



Snl (Space Network List)

- Basic information concerning planned or existing space stations, earth stations and radio astronomy stations
 - SNL Part A: Use of the frequency spectrum, the occupancy of the geostationary orbit and non-geostationary orbit
 - SNL Part B: all reference publications (special sections and PARTs) related to the space services
 - 0
 - SNL Part C: information on pending networks received but not yet published by the Bureau

Web site



Space networks and related software

YOU ARE HERE HOME > ITU-R > SOFTWARE







AP7Capture

GIBC

GIMS

SpaceCap

SpaceCom

SpacePub

SpaceQry

SpaceRefdb

SpaceVal

SPS (MSPACEg)

SRS

SRSConvert

SRSFixDB

SAM

Space networks and related software

AP7Capture - Capture system for AP7 Input parameters

Software package which allows the capture and modification of data that is relevant to the AP7 Analysis.

Electronic submission of graphical Data

Description of the format for electronic submission of graphical data related to satellite networks.

GIBC - Graphical Interface for Batch Calculations

Software package which provides the user with the ability to carry out calculations on satellite networks which allow determining the coordination requirements.

GIMS - Graphical Interference Management

Software package which allows the capture and modification of graphical data relating to the electronic notification of satellite networks

SAM - Space Applications Manager

This software provides the user with a unique tool to easily run all installed BR Space Applications software from a global, menudriven list, rather than searching for and starting applications individually.

SNL - Space Network List

The SNL is a group of 20 lists of data concerning planned or existing space stations and earth stations giving information on the use of the frequency spectrum, the occupancy of the geostationary orbit, as well as on non-geostationary orbits.

SpacePub - Space Publication

Software package for printing satellite networks / Earth stations from the SRS database.

SpaceQry - Space Query and Extract System

Software package which provides access to the Radiocommunication Bureau's Space Radiocommunication Stations database.

SpaceRefdb - Space Reference Tables

Software to install an up-to-date copy of the BR Reference tables.

SpaceVal - Space Filings Validation Software

Software for validating electronic notices captured by the BR SpaceCap software: provides interactive validation facility in SpaceCap.

SPS - Space Plans System (MSPACEg)

The SPS computer system has been developed to allow determination of the coordination requirements for the Plans for space networks in Appendices 30 and 30A of the Radio Regulations.

SRS - Space Radiocommunications Stations on DVD-ROM

As of January 2012, the Space Radiocommunications Stations (SRS) on DVD-ROM is replaced by the BR International Frequency Information Circular (BR IFIC) - Space Service. For more information places refer to DD IEIC Space Services



Space Software Future

WRC 12 Instructs the BR to implement a secure paperless electronic approach

Administrations to submit APIs subject to Coordination under Section II of Article 9 to the BR

Electronic correspondence between administrations and the BR

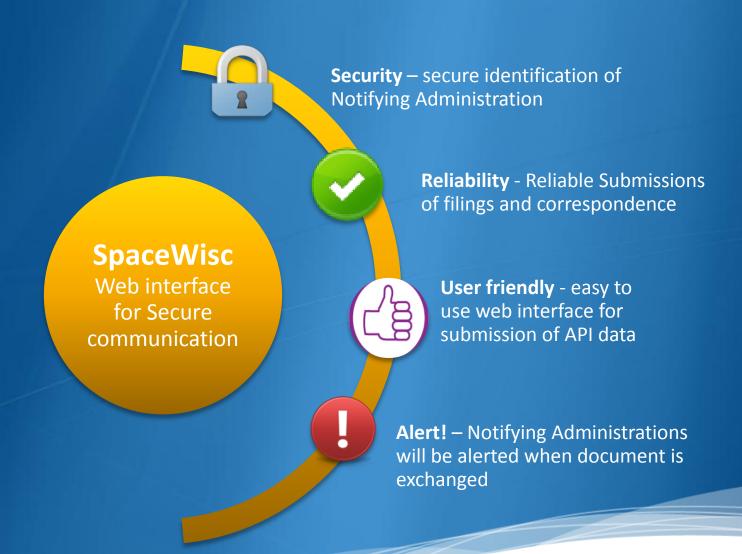
Electronic correspondence between administrations

Radio Communications Advisory Group advises the BR to Implement a common application framework

Have a centralized database for Space data

Desarrollo de Busines continuity plan

Futuro Software Servicios Espaciales



Conclusions

- Use of Space BR: SpaceCap, SpaceVal, SpaceQry, SpacePub, SpaceCom, SNS-on-Line, SNL
- GIMS for Graphical data
- Ensure consistency and integrity of data
- Important to use the validation software
- Updated information and current versions in BR IFIC and ITU web site

Create Input to BR Validate Filings Create Graphic diagrams Run Tech Exams Query BR Data

Contact Information

Developed by BR/IAP Department

- Space Applications Software Division (IAP/SAS)
- Head of IAP-SAS Mrs. Barbara Warren



Contact Information:

E-mail to BRSAS@itu.int