



BR Space Databases



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BR Space Databases



Why?

- Purpose of BR databases and Software

what are they?

- What is in BR Databases?

Format and Version

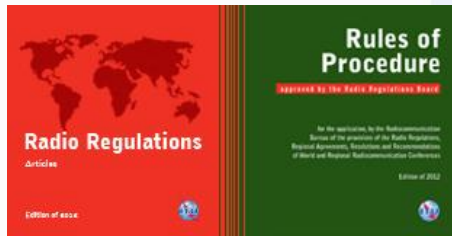
- SNS Format and Versioning

Purpose of BR Databases and Software



Radio Regulations

Incorporate the decisions of the World Radiocommunication Conference



Rules of Procedure

Complement the RR by providing clarification of the application of particular Regulations

BR Space Software And Databases

Streamline the Implementation of the RR and Rules of Procedure

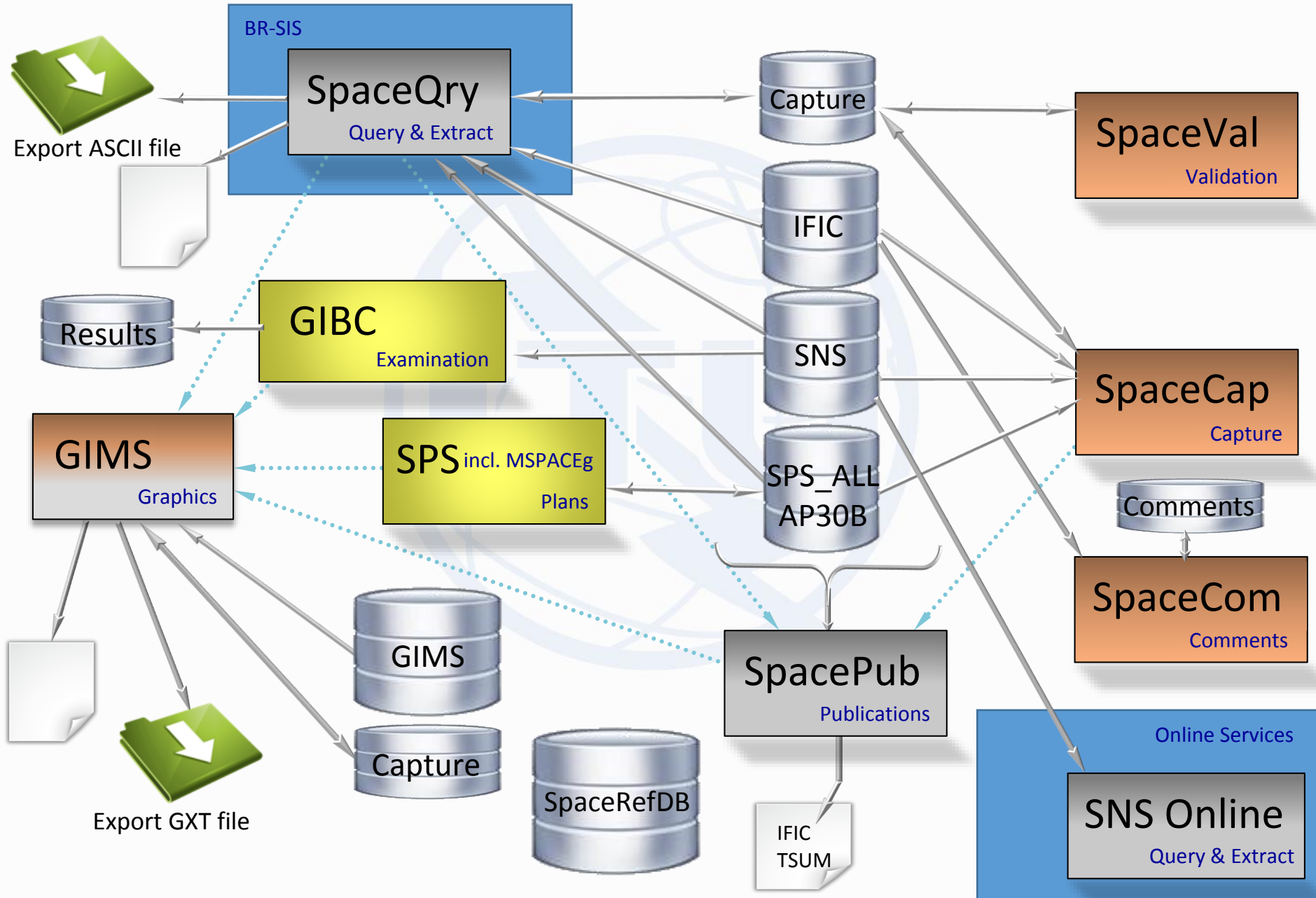


Help you prepare electronic filings according to the RR



Process the electronic filings sent to the BR

Space Network System



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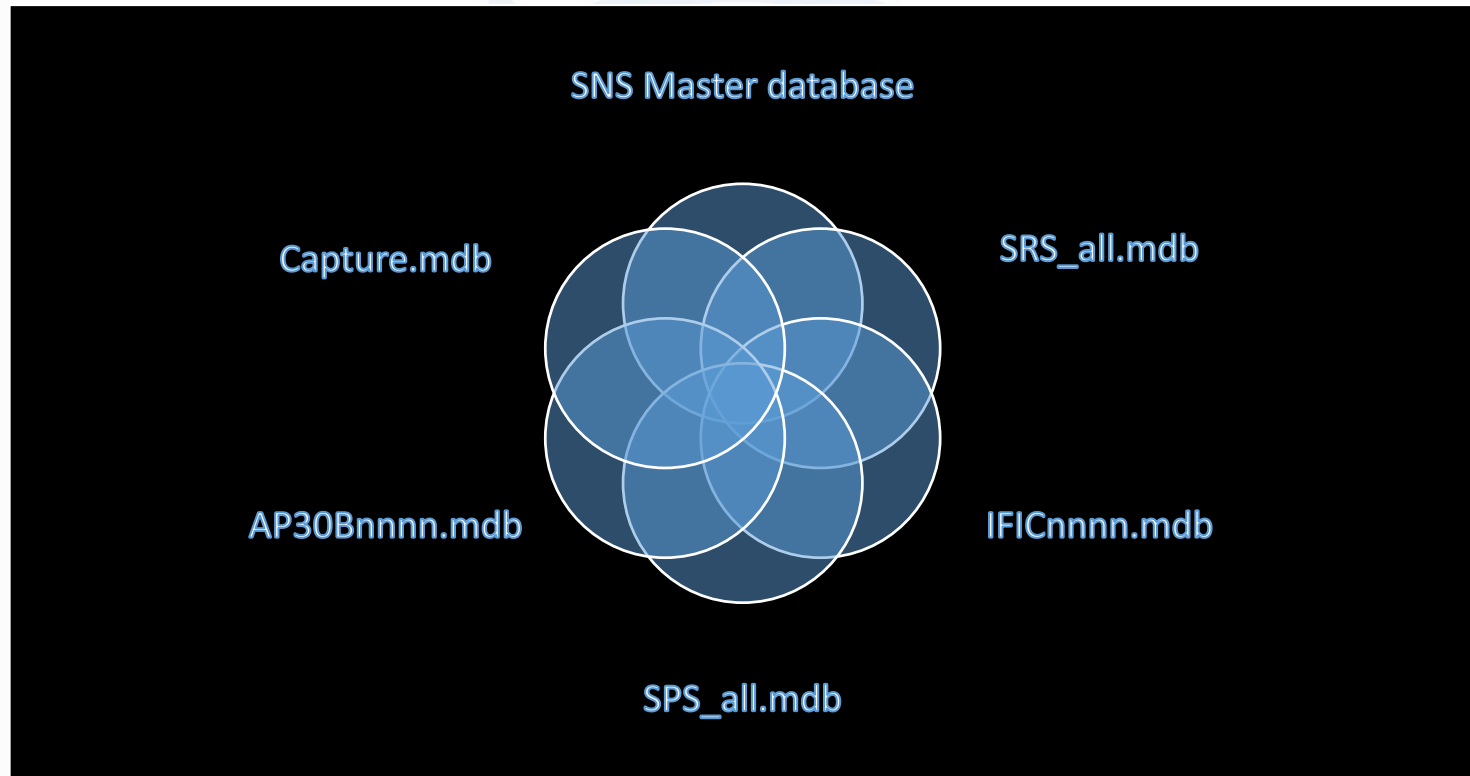
- SNS Format and Versioning



BR Space Databases



BR SNS Format databases



SNS Databases

SNS Master Database



In the Master Register

- Coordination and Notification
- Advance Publication
- Resolution 49



- Electronic Filings received by the BR
 - New assignments
 - Mod of existing
 - Delete existing
- Notifications in technical Examination



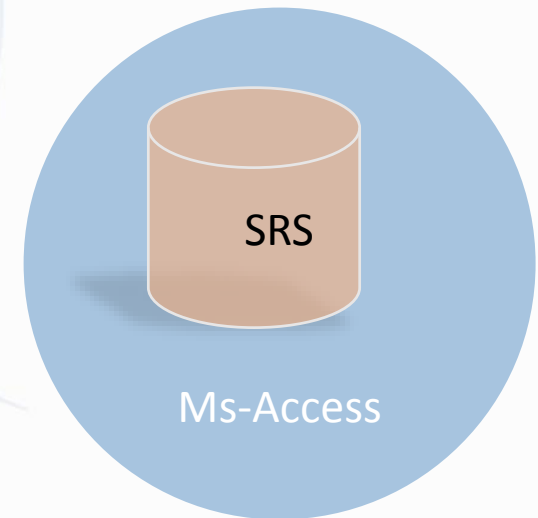
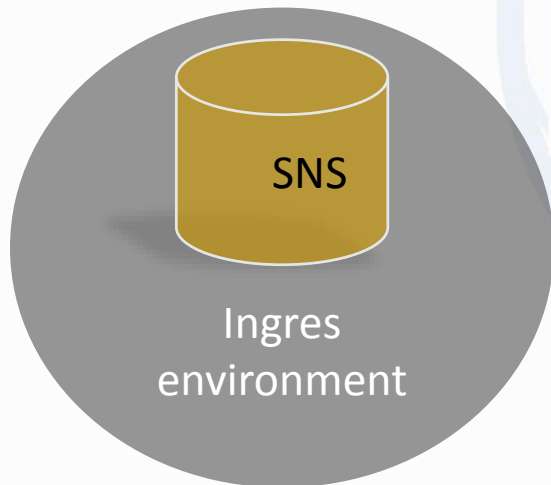
SNS Databases



SRS_all.mdb on the BR SPACE IFIC DVD

- Published every IFIC DVD
- Snapshot of the SNS Master Database

- Coordinations and Notifications in the **Master Register**
- in **Technical Examination**
- for **Advance Publication**
- for **Resolution 49**

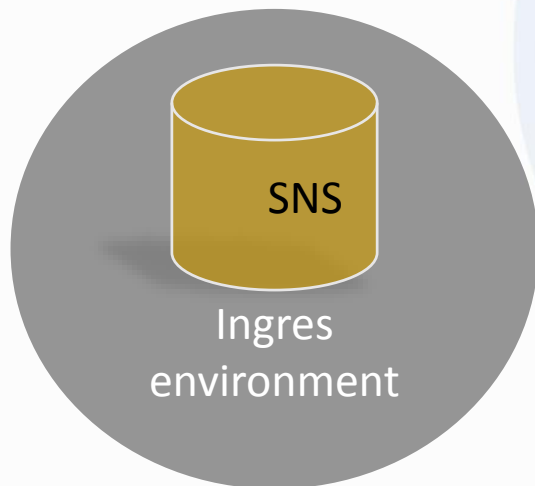


SNS Databases

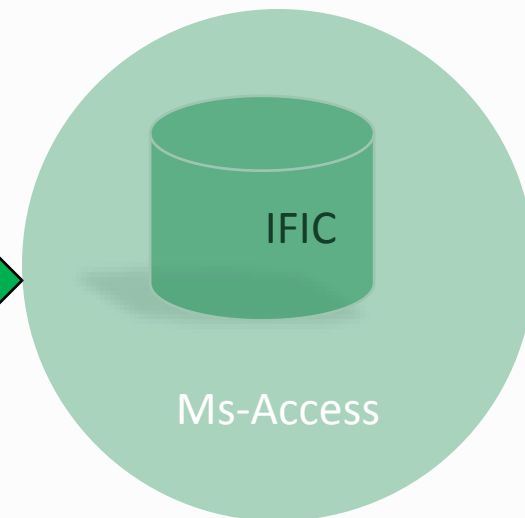
IFICnnnn.mdb on the BR IFIC DVD



- **Published every 2 weeks**



- **Part IS** – new frequencies or modifications, cancellations of assignments in the Master Register received by the BR
- **Part IIS** – Updates to the Master Register with Findings
- **Part IIIS** – Notifications returned to ADM with unfavourable findings
- **Special Sections** – Notifications published API/A, CR/C, CR/D, CR/E, CR/F



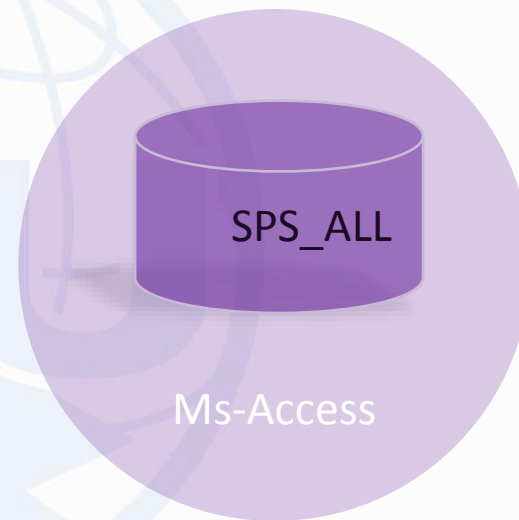
SNS Databases

SPS_ALL.mdb on the BR IFIC DVD



Published on the IFIC

- **Appendices 30/30A**
 - Region 1 and 3 Plan, List and Pending Article 4 networks
 - Article 2a of Appendices 30 and 30A
- **RARC SAT-R2 Region 2 Plan**
- **Article 5 of Appendices 30 and 30A**
- **Resolution 49**
- Download from



<http://www.itu.int/en/ITU-R/space/plans/Pages/default.aspx>

SNS Databases

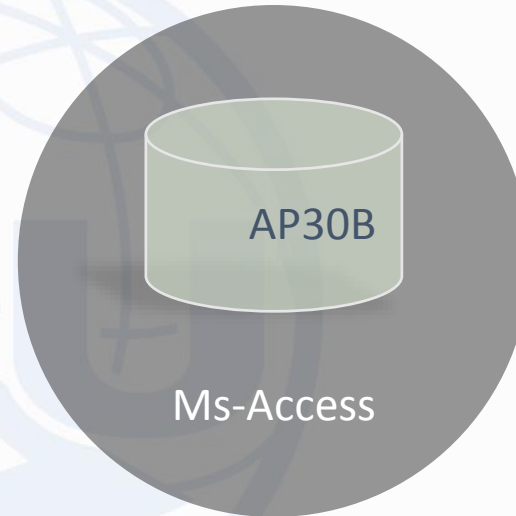
Appendix 30B Database on the BR IFIC DVD



Published on the IFIC

- **Appendix 30B**

- Plan, List and Pending Article 6 networks
- Article 8 of Appendix 30B

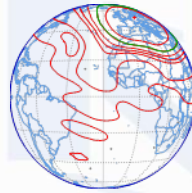


- Download from <http://www.itu.int/en/ITU-R/space/plans/Pages/default.aspx>

Graphical Data

- **GIMS diagrams**
 - Appendix 4 – GSO and Non GSO Satellites
 - Contains Graphical data for both Non-plan and Plan

- **ESCC Diagrams**
 - Earth Stations Coordination Contours

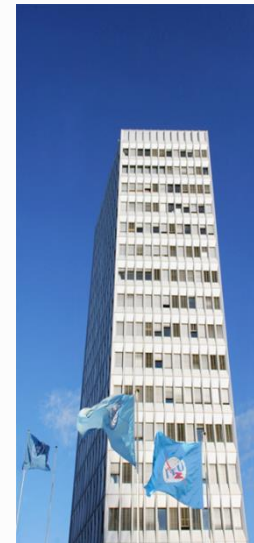
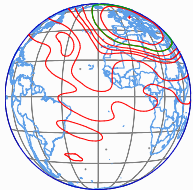


Graphical Data

GIMS Format



- **Where to find information on the GXT file format?**
 - Section III Chapter 2 of the Space Preface
 - **Circular Letter 337**



Graphical Data

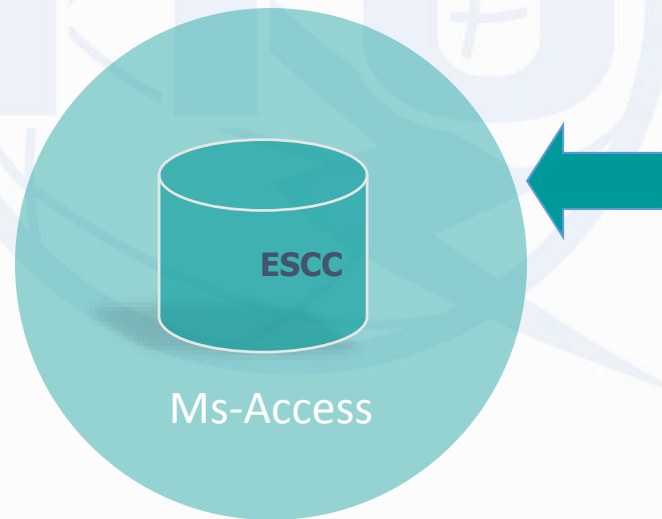
ESCC Database



Master repository for Earth Station Coordination Contours

Graphical Data for Earth Stations

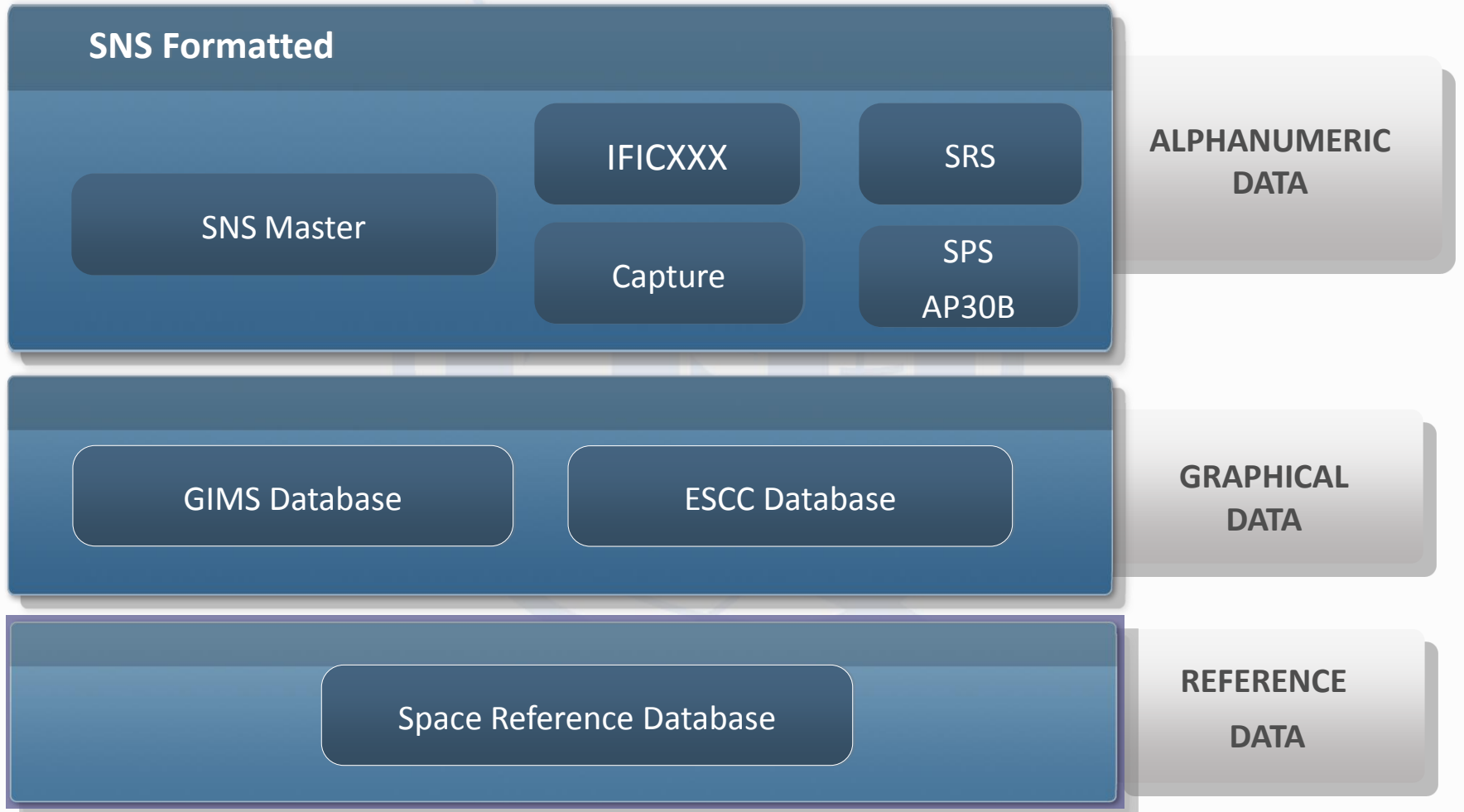
- used in-house
- used by Technical Examination software
- Available via SNS Online



Generated by the
Appendix 7 software



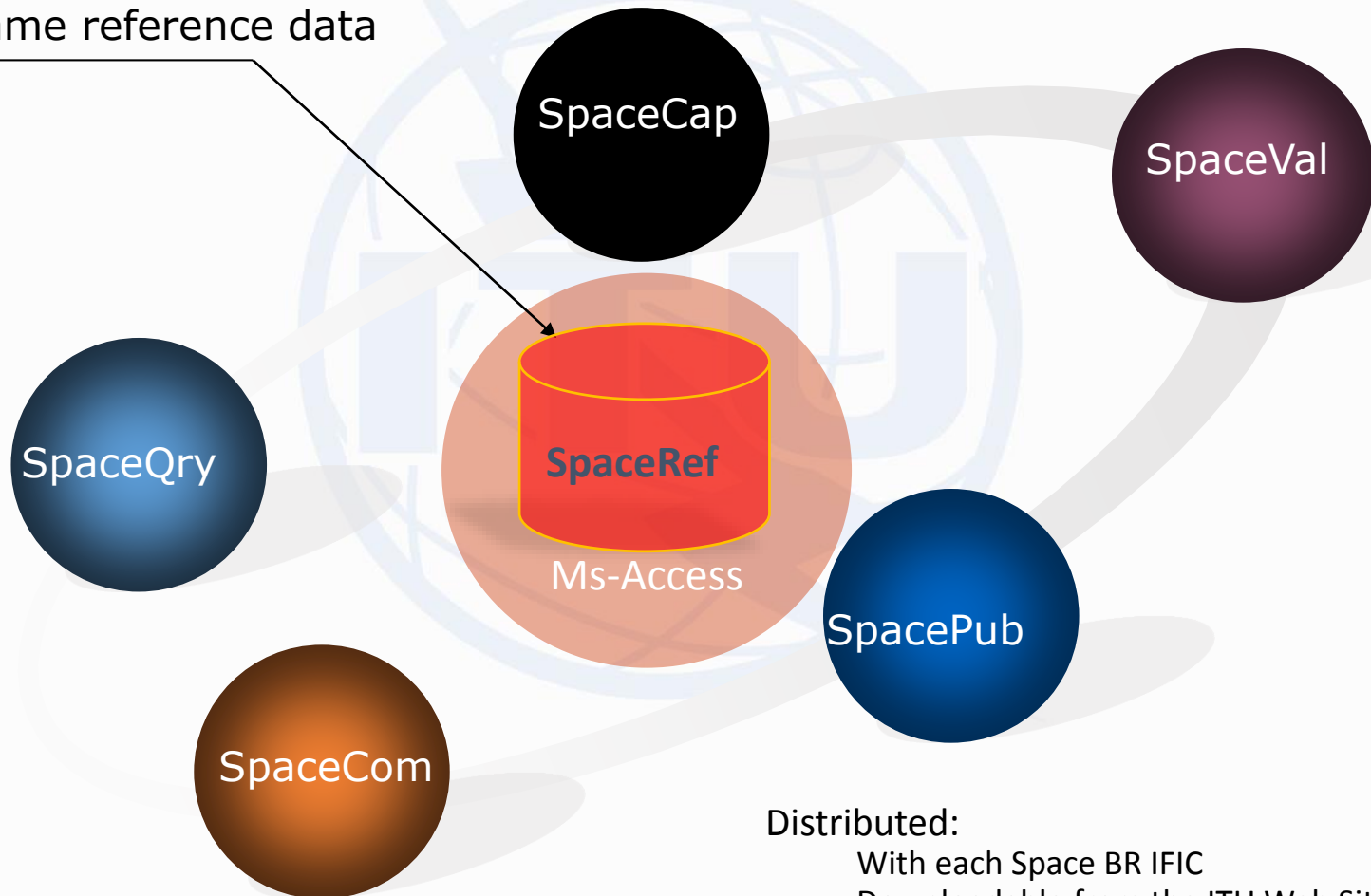
BR Space Databases



Space Reference Database



Ensures all BR Soft use
The same reference data



Distributed:

With each Space BR IFIC

Downloadable from the ITU Web Site

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Format and Version

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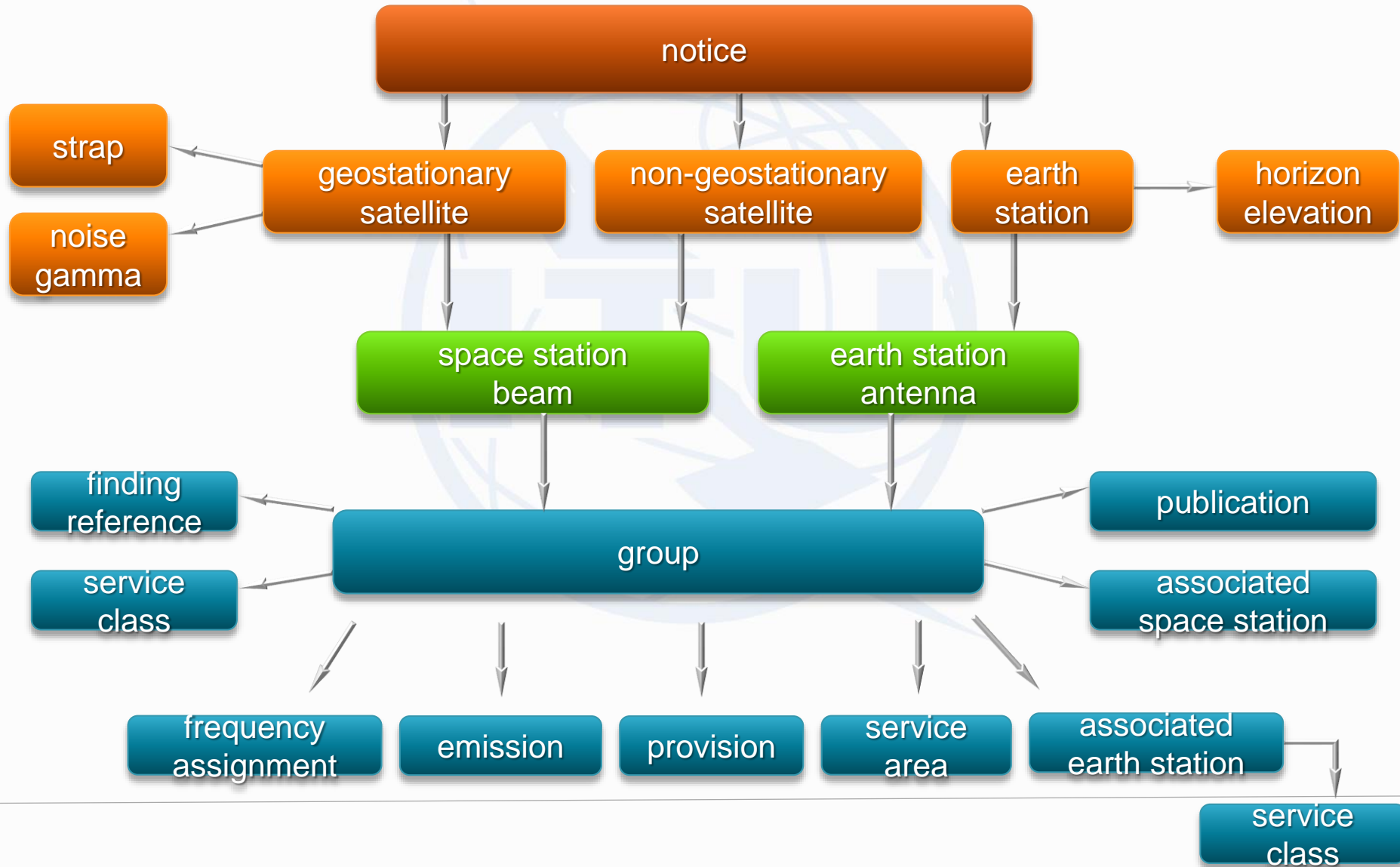
SNS Format version 8



- Each World Radio Communication Conference introduces new resolutions and changes to the Radio Regulations
 - **Decisions taken at WRC 2012 : v 7** (e.g. New tables to support the new due diligence procedure for 21-22.4 GHz (RES552), DGSO as new AP4 data)
 - **Decisions taken at WRC 2015 : v 8** (e.g. A16c as new AP4 data for a commitment to meet separation distance of No. 5.509E and PFD limits of 5.509D)
 - **Data structure improvements for internal processing**
- Where to find information on the V7 and V8 SNS Format?
 - Section III of the Space Preface
Description of the SNS V7 and V8 format
http://www.itu.int/en/ITU-R/space/Preface/preface_e.pdf



SNS data structure



SNS data structure – Tree View



Notice id.	Type	Adm./Org.	Orb. Pos.	Station name	Date rcv.	Status
112520119[A]	G	I /	38W	NEWSAT-1F-38W	24.02.2012	50
List of notices						
Count=1						
Beam id: BSR						
Beam id: BWR						
Beam id: GS						
Group id: 112651322			(p83)			
Group id: 112651323			(p84)			
Beam id: GSF						
Group id: 112651324			(p85)			
Group id: 112651325			(p86)			
Beam id: KAR						
Beam id: BSR						
Beam id: BTR						
Beam id: BWR						
Beam id: GS						
Beam id: GSF						
Beam id: KAR						

Regulations – Databases - Software

