BR Space Databases

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International Telecommunication Union

BR Space Databases

Why?
- Purpose of BR databases and Software

what are they?
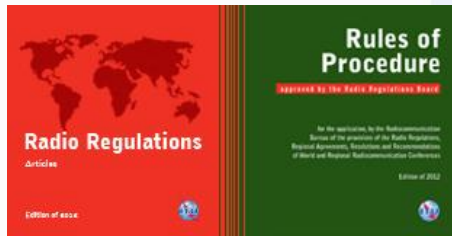- What is in BR Databases?

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

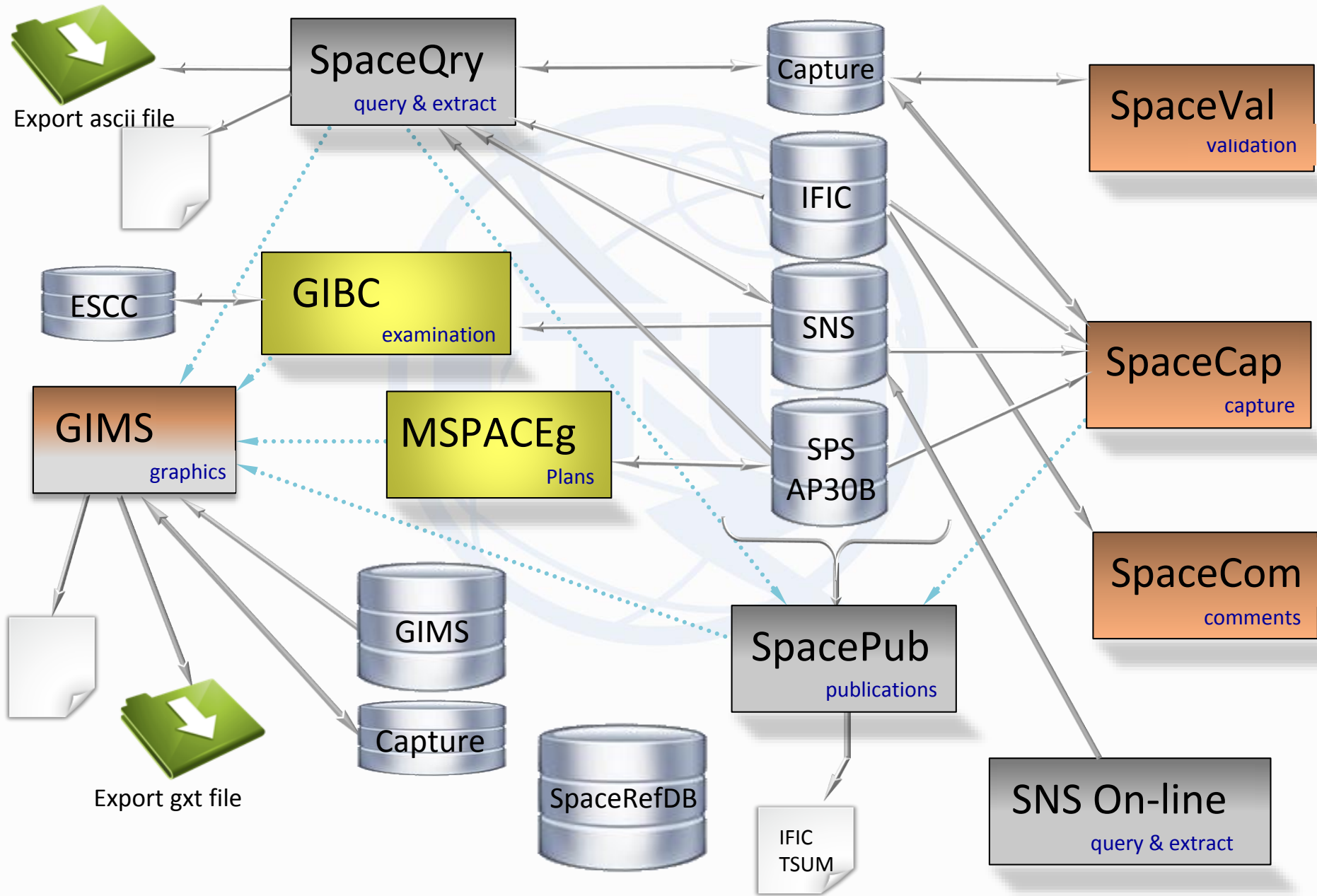Streamline the Implementation of the RR and Rules of Procedure

Help you prepare electronic filings according to the RR

Process the electronic filings sent to the BR

Space Network System

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

BR Space Databases

SNS Formatted

IFICXXX	SRS
SNS on Ingres	
Capture	SPS AP30B

ALPHANUMERIC DATA

Appendix 4 Annex 2 of the Radio Regulations

GIMS Database

ESCC Database

GRAPHICAL DATA

Space Reference Database

REFERENCE DATA

BR SNS Format databases

SNS Master database
on Ingres

Capture.mdb

SRS_all.mdb

AP30Bnnnn.mdb

IFICnnnn.mdb

SPS_all.mdb
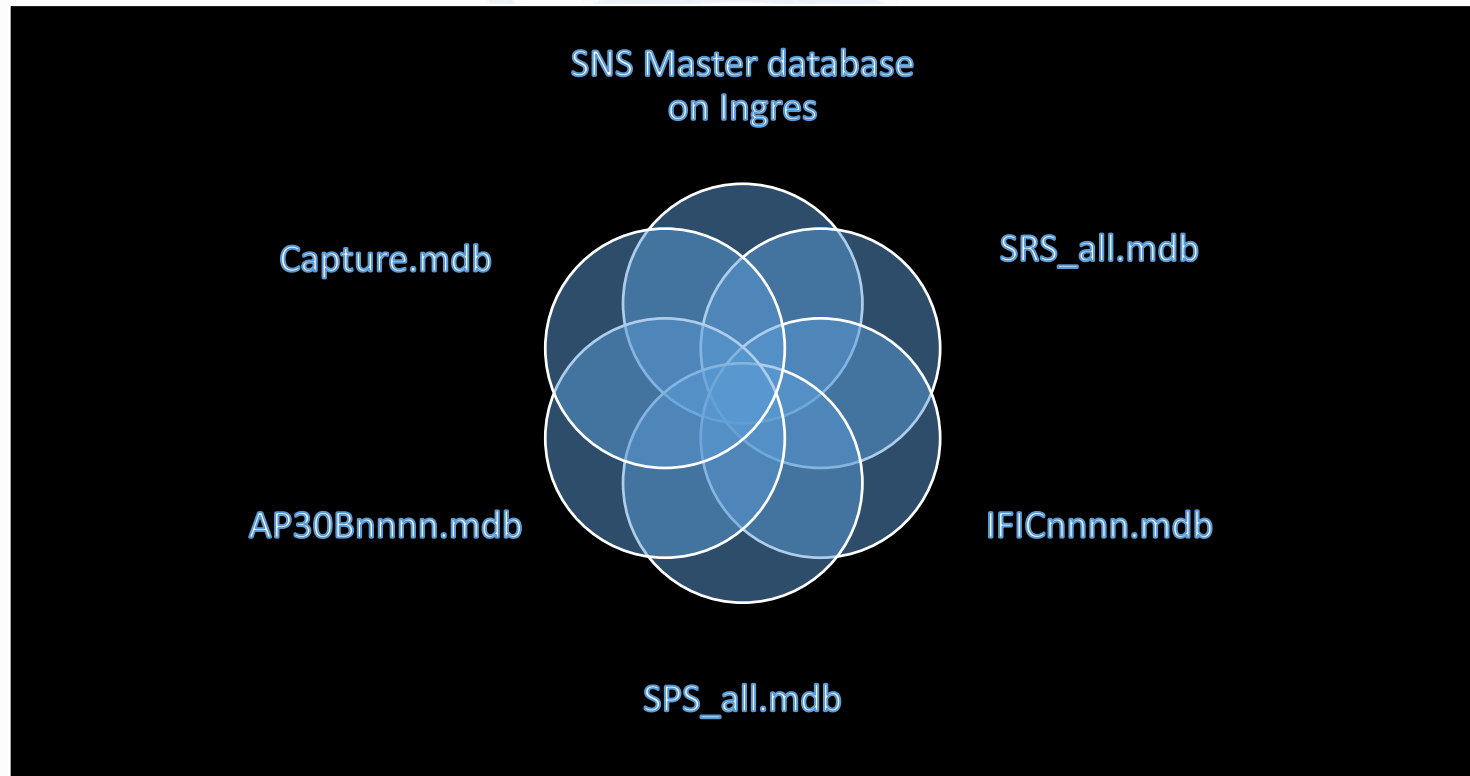
SNS Databases
SNS Master Database On Ingres

In the Master Register

❑ Coordination and Notification

❑ Advance Publication

❑ Resolution 49

SNS Ingres Database

• Electronic Filings received by the BR
  • New assignments
  • Mod of existing
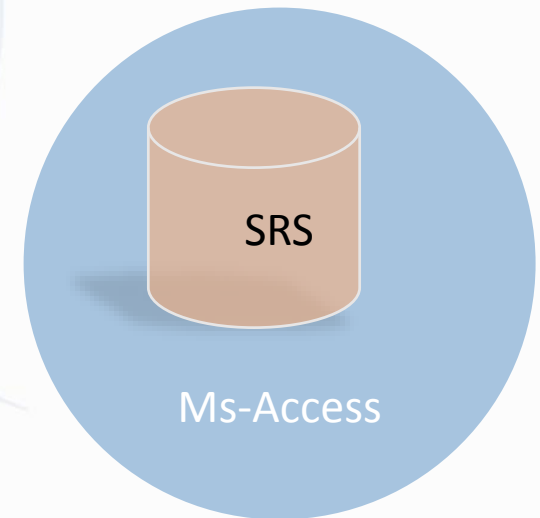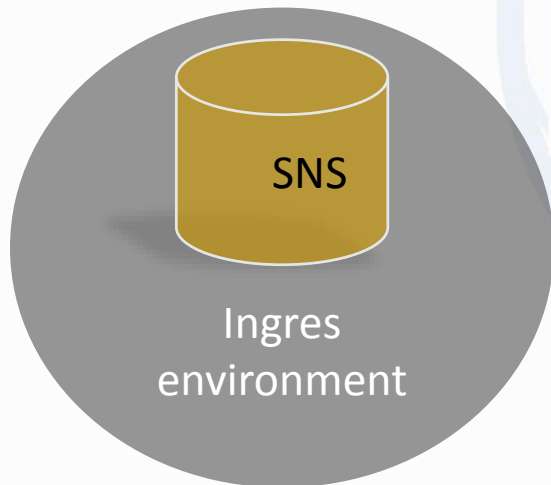 • Delete existing

• Notifications in technical Examination

SNS Databases
SRS_all.mdb on the BR SPACE IFIC DVD

- **Published every IFIC DVD**
- **Snap-shot of the SNS Master Database**

SNS

Ingres environment

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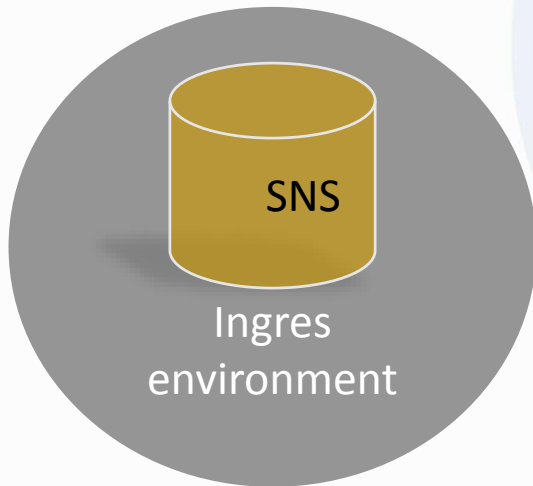
SRS

Ms-Access

SNS Databases
IFICnnnn.mdb on the BR IFIC DVD

- **Published every 2 weeks**

SNS

Ingres environment

- **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, API/B, CR/D, CR/E, CR/F

IFIC

Ms-Access
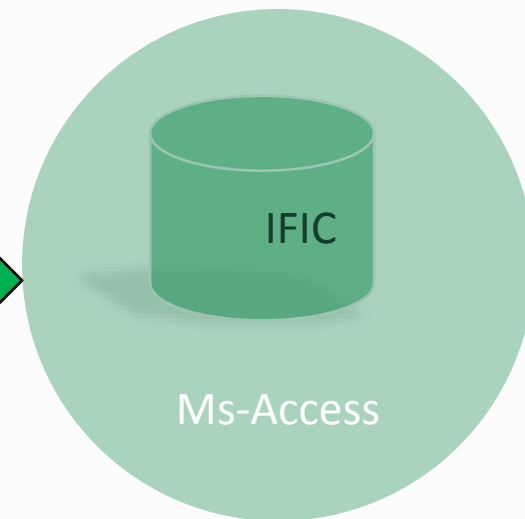
SNS Databases
SPS_ALL.mdb on the BR IFIC DVD

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
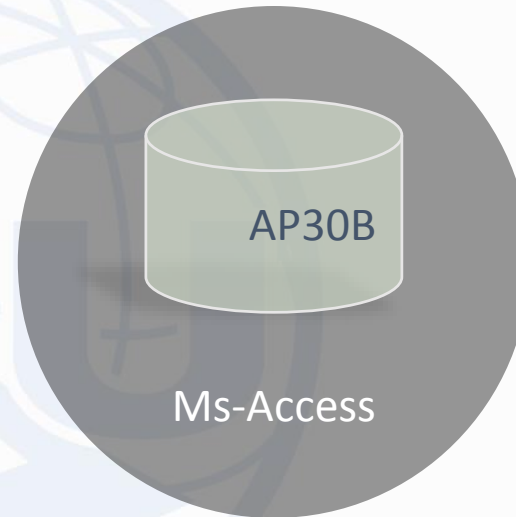
SPS_ALL

Ms-Access
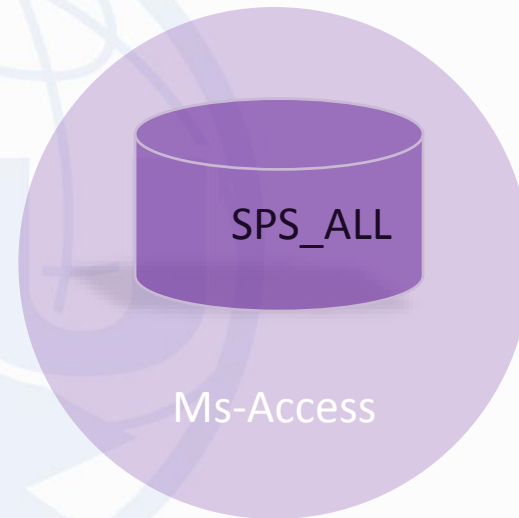
SNS Databases
Appendix 30B Database on the BR IFIC DVD

Published on the IFIC

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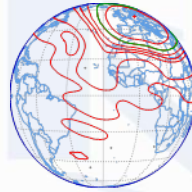 - Plan, List and Pending Article 6 networks
  - Article 8 of Appendix 30B

AP30B

Ms-Access

- 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**
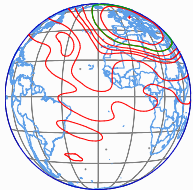
➢ **ESCC Diagrams**

- **Earth Stations Coordination Contours**
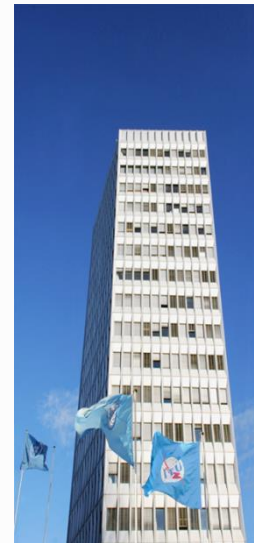
Graphical Data
GIMS Format

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

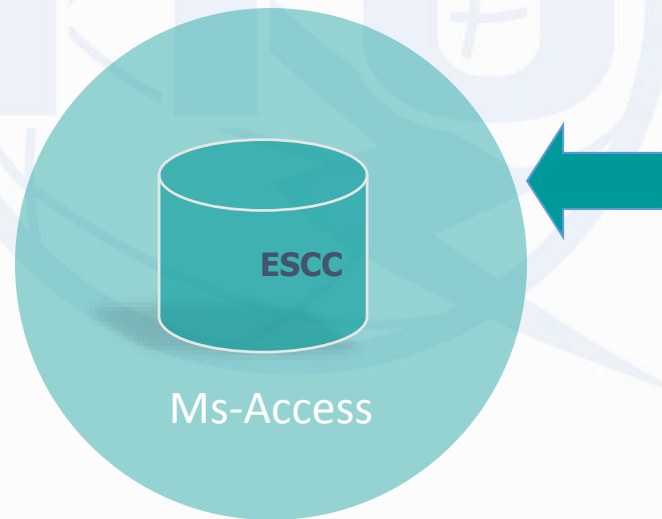➢ **Circular Letter 337**

GIMS DB

Graphical Data
ESCC Database

Master repository for Earth Station Coordination Contours
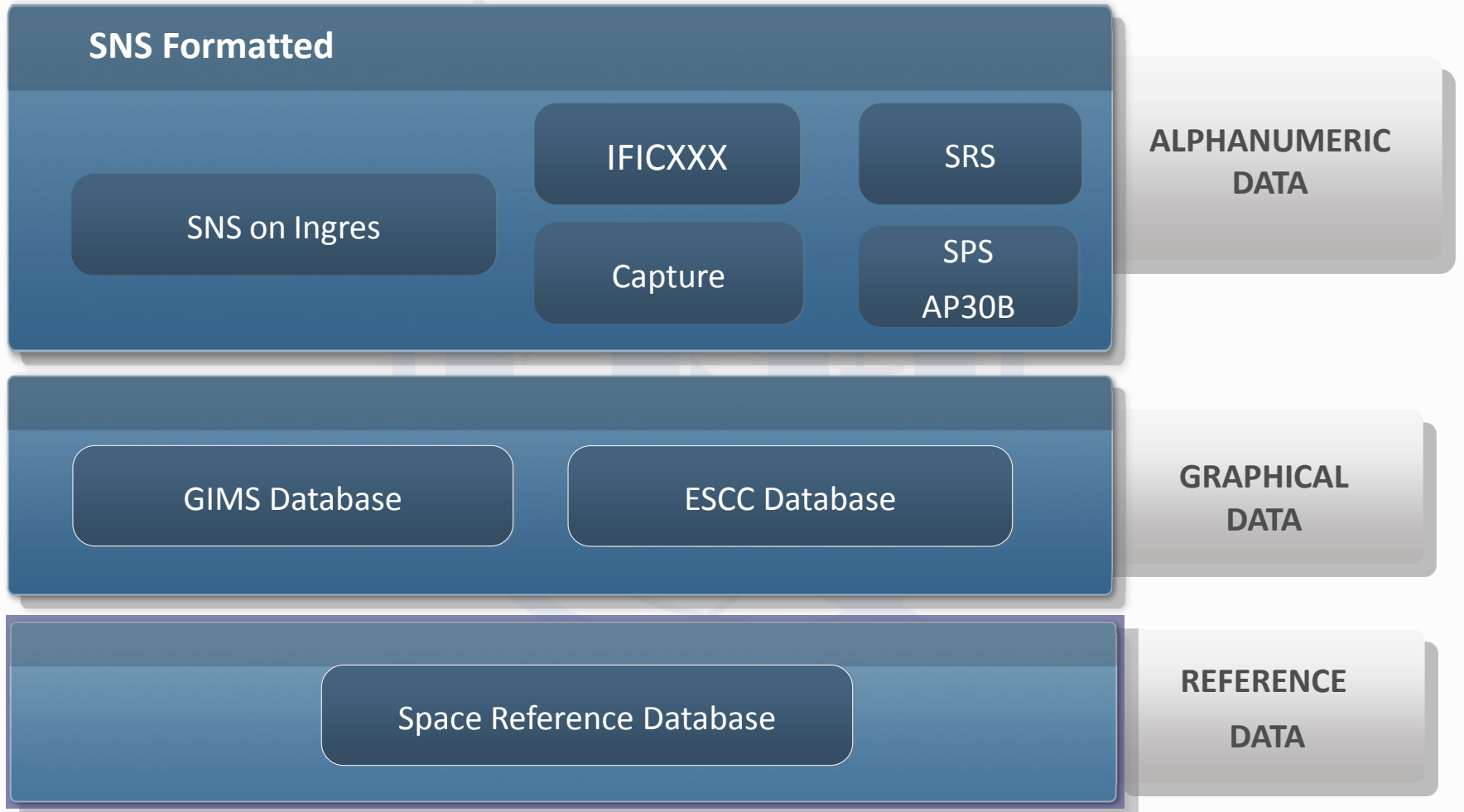
Graphical Data for Earth Stations

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


Generated by the Appendix 7 software

ESCC

Ms-Access

BR Space Databases

SNS Formatted

SNS on Ingres

IFICXXX

Capture

SRS

SPS
AP30B

ALPHANUMERIC DATA

GIMS Database

ESCC Database

GRAPHICAL DATA

Space Reference Database

REFERENCE DATA

Space Reference Database

Ensures all BR Soft use
The same reference data

SpaceCap

SpaceVal

SpaceQry

SpaceRef

Ms-Access

SpacePub

SpaceCom
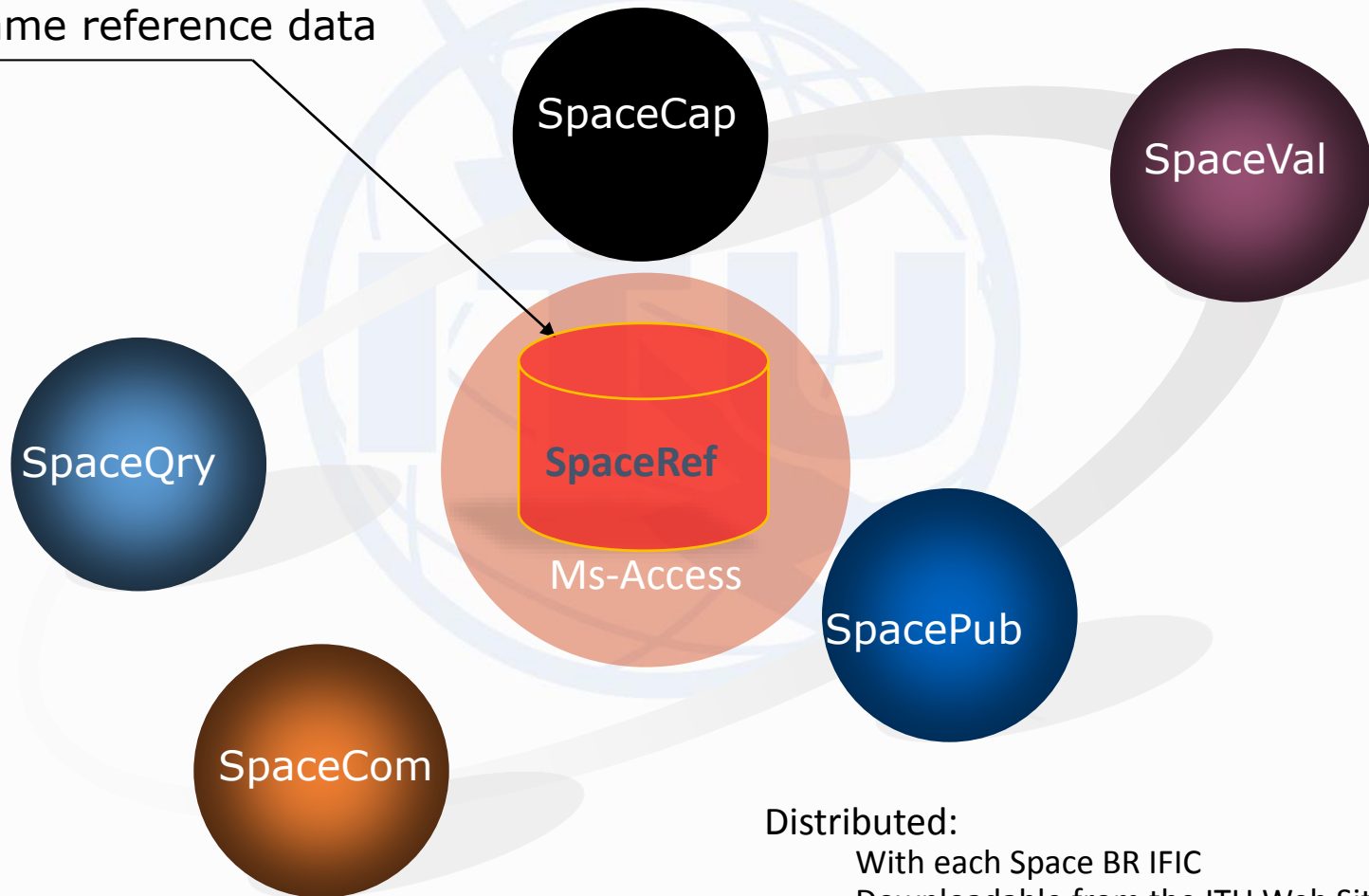
Distributed:
   With each Space BR IFIC
   Downloadable from the ITU Web Site

BR Space Databases

Why?
- Purpose of BR databases and Software

what are they?
- What is in BR Databases?

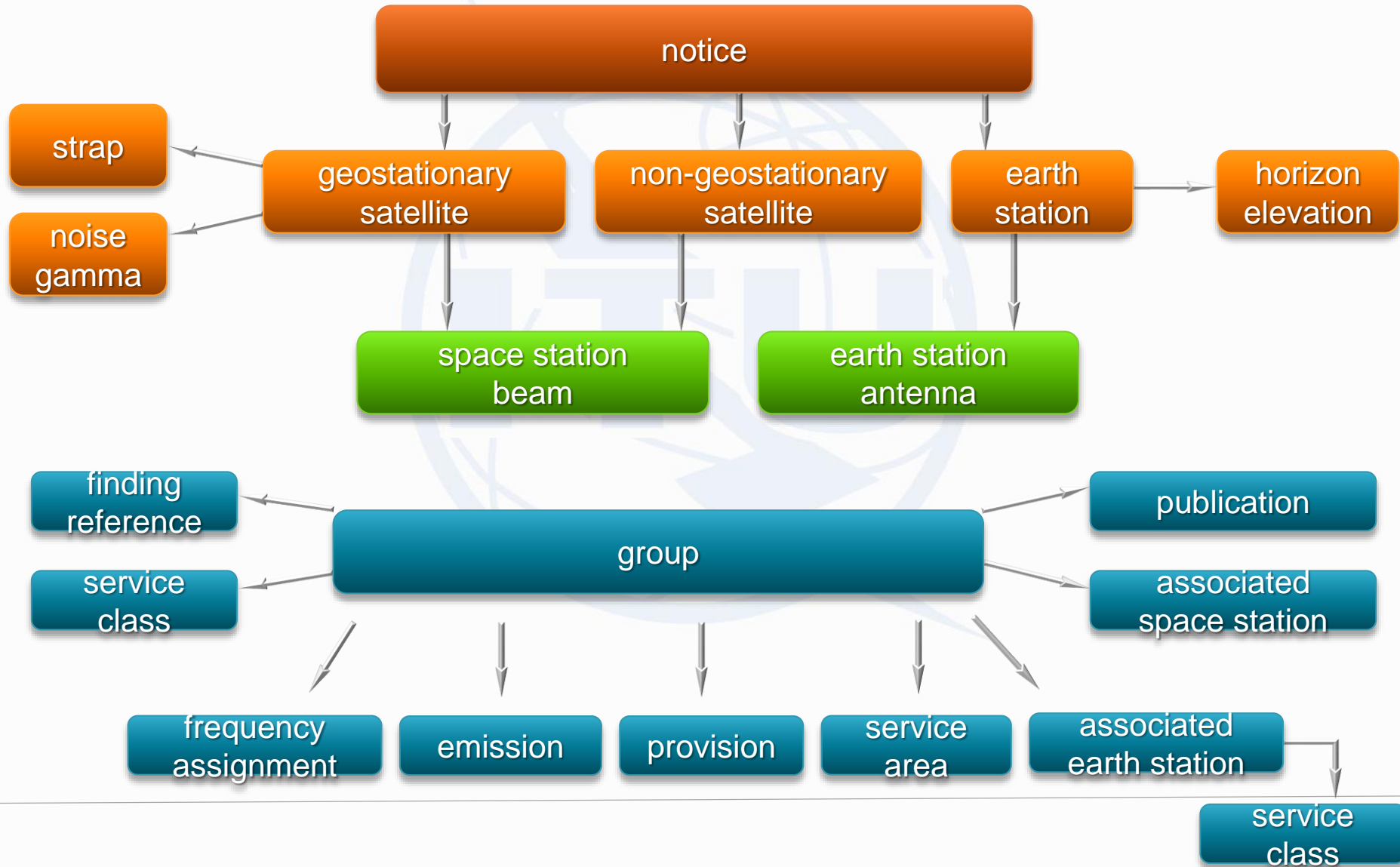**Format and Version**
- SNS Format and Versioning

SNS Format version 7 and 8

- Each World Radio Communication Conference introduces new resolutions and changes to the Radio Regulations

  - **Decisions taken at WRC 2007 : v 6.1** (e.g. AP30B , Sensor Information)
  - **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)

- 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
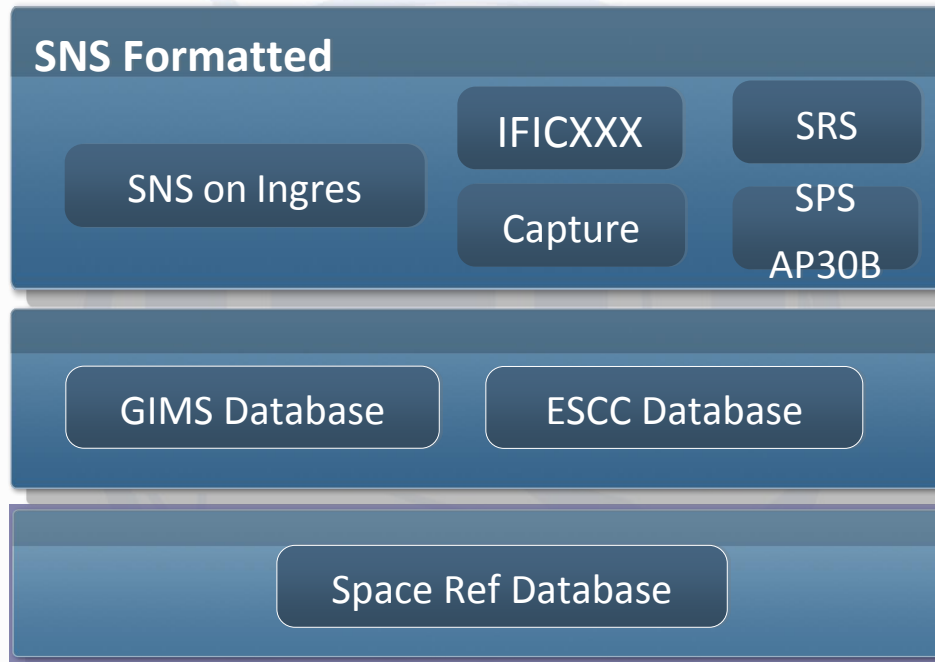   **http://www.itu.int/en/ITU-R/space/Preface/preface_e.pdf**

SNS-format DB

SNS data structure

SNS data structure – Tree View

Regulations – Databases - Software

SNS Formatted

SNS on Ingres

IFICXXX

SRS

Capture

SPS

AP30B

GIMS Database

ESCC Database

Space Ref Database

Appendix 4
Annex 2 of
the Radio
Regulations

Databases

Regulations

Software