SNS Data Structure

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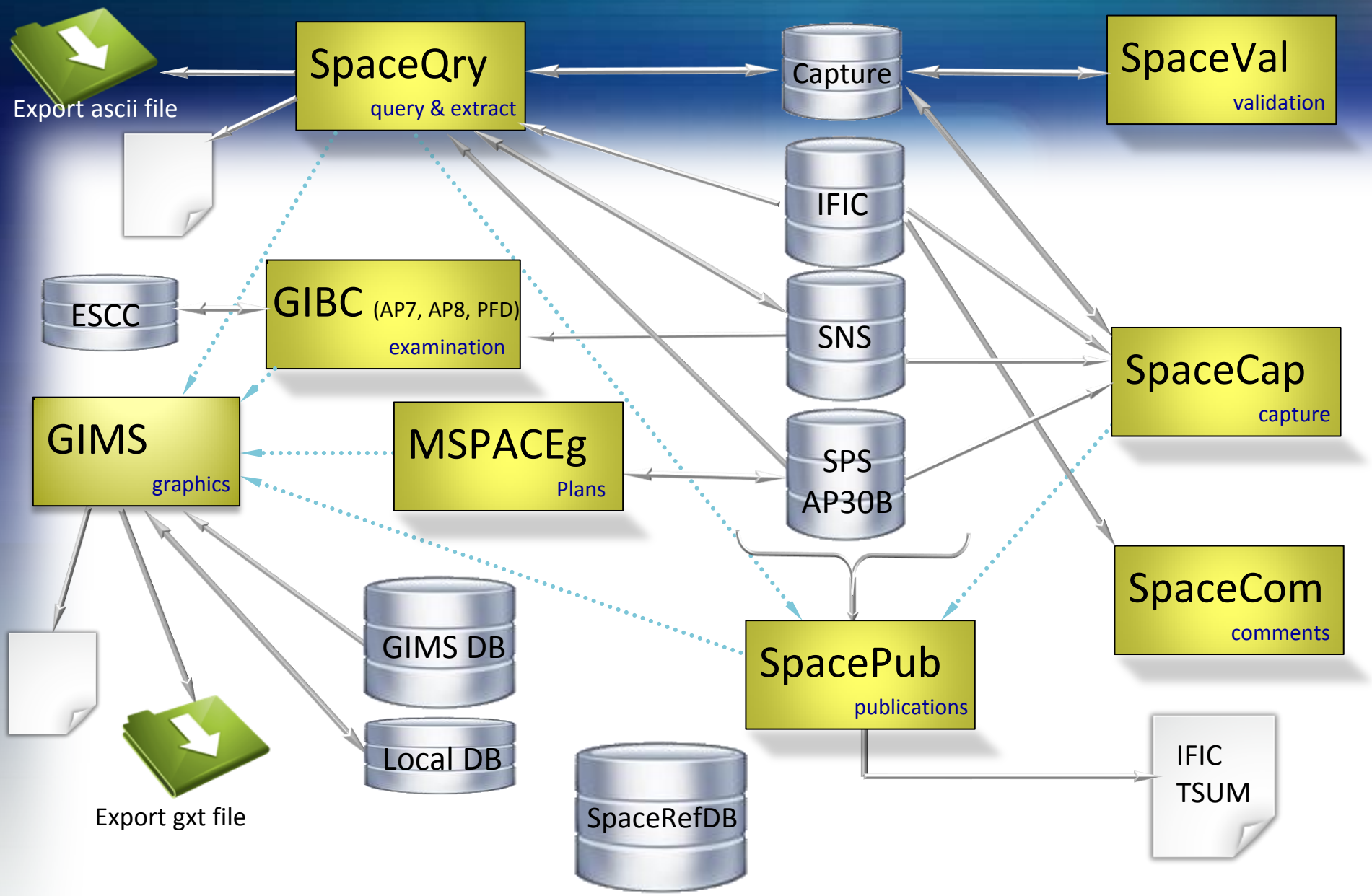
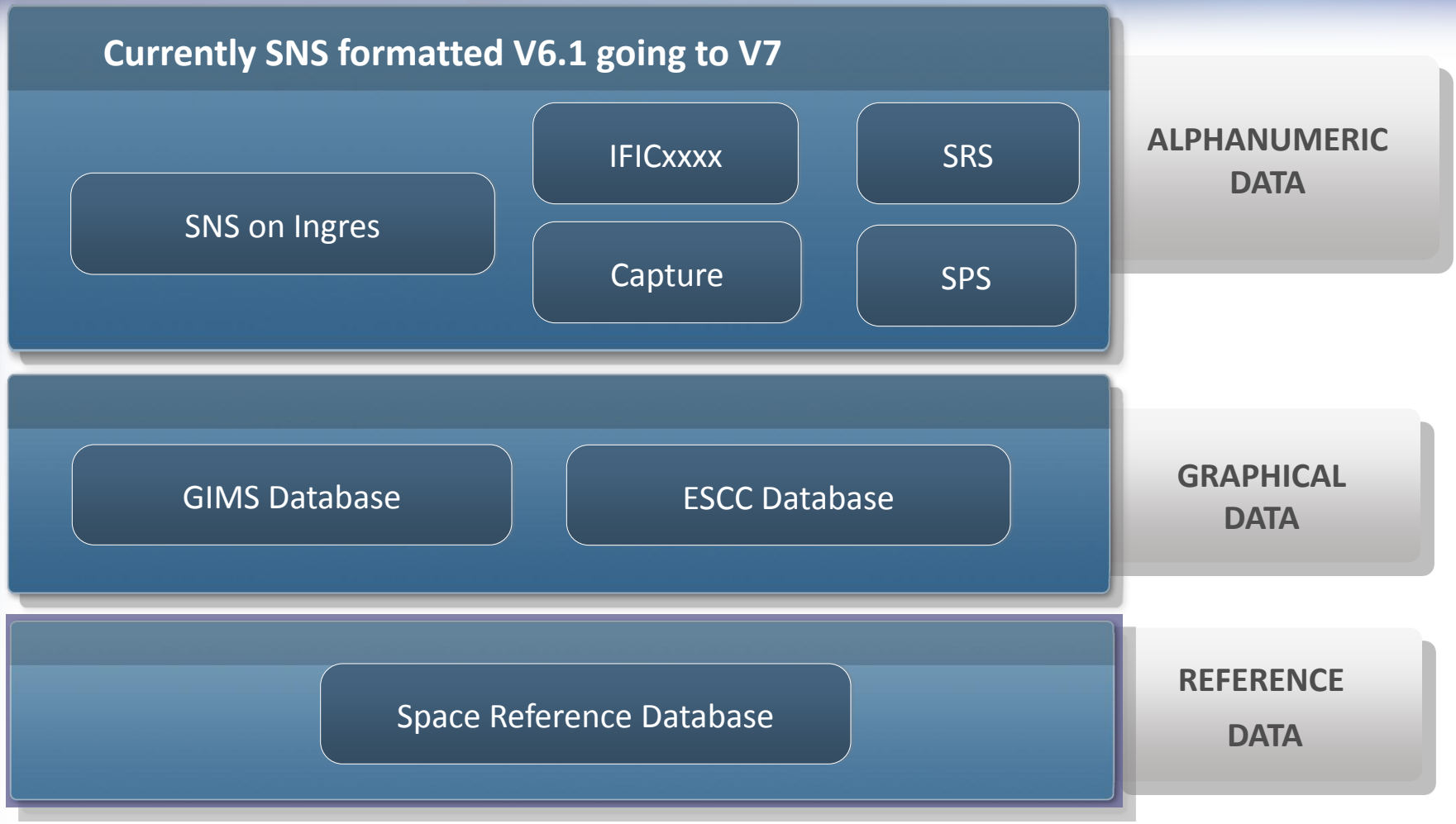
Space Network System



BR Space Databases



BR Space Databases

SNS formatted databases

SNS on Ingres: **MASTER** database used in-house for production in BR and externally via SNS-online

SRS on MS Access: Snapshot of the Master International Frequency Register taken at the time the BR IFICxxxx DVD-ROM is produced

IFICxxxx on MS Access: Contains Part-IS, Part-IIS, Part-IIIS and Special Sections API/A, CR/C and RES49 present in the BR IFICxxxx DVD-ROM.

SPS and AP30B on MS Access: Contain data concerning the technical characteristics and reference situation for networks of the planned space services

BR Space Databases

Graphical Reference Database

REFDB on MS Access: Contains the GIMS (Graphical Interference Management System) reference database. The Bureau now publishes the complete GIMS reference database on each BR IFIC.

ESCC on MS Access: Reference database for Earth Station Coordination Contours.

Space Reference Database

SpaceRefDB on MS Access: Contains reference tables used by BR Software.

BR Space Databases… Evolution

- Database changes and Software updates is on going process
- SNS system is based on AP4, Annex 2, revised at each WRC
- Technological changes (Hardware, Software, ICT, Internet, Cloud…)

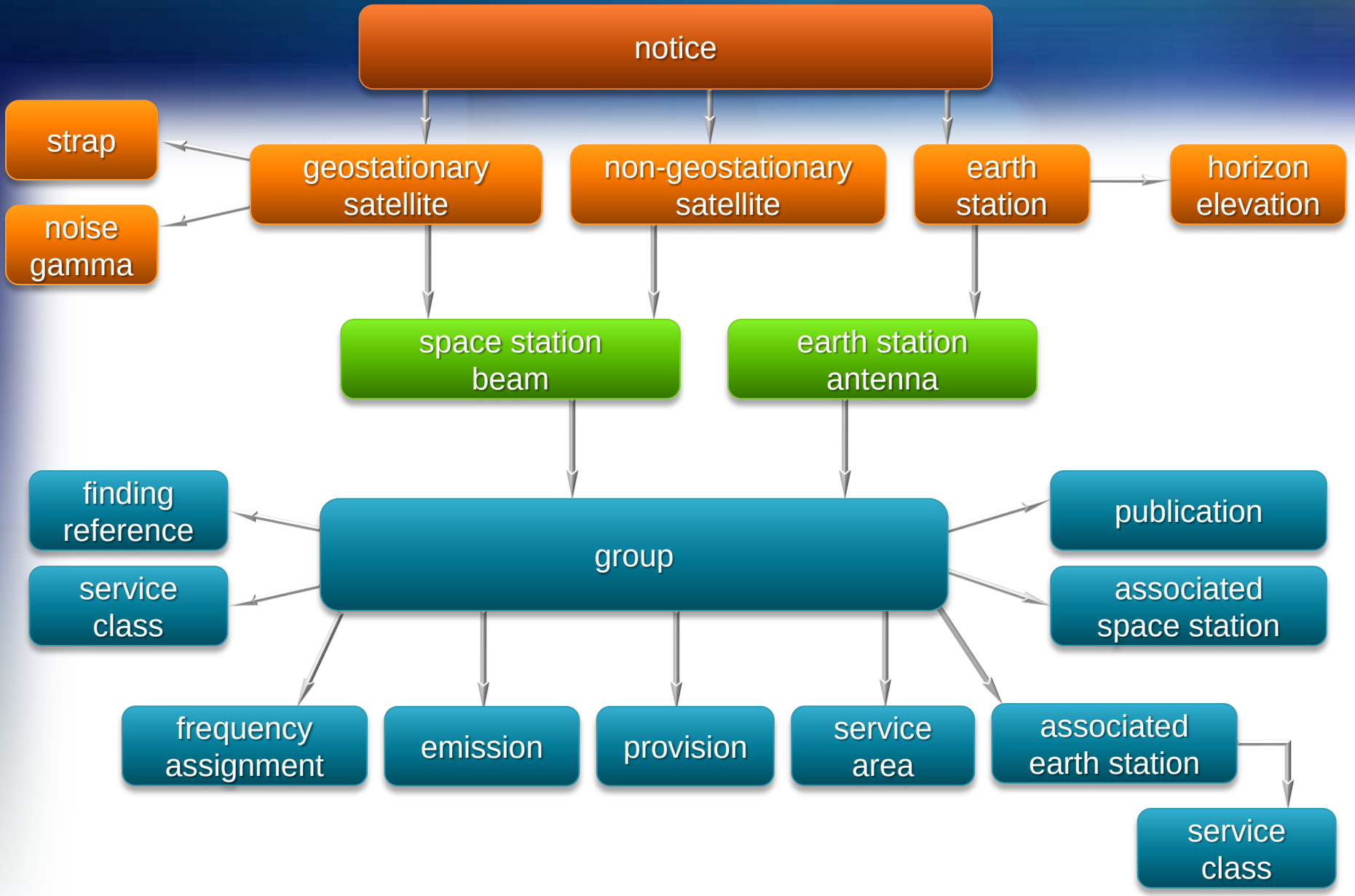
Changes to SNS DB structure

As a result of WRC-12

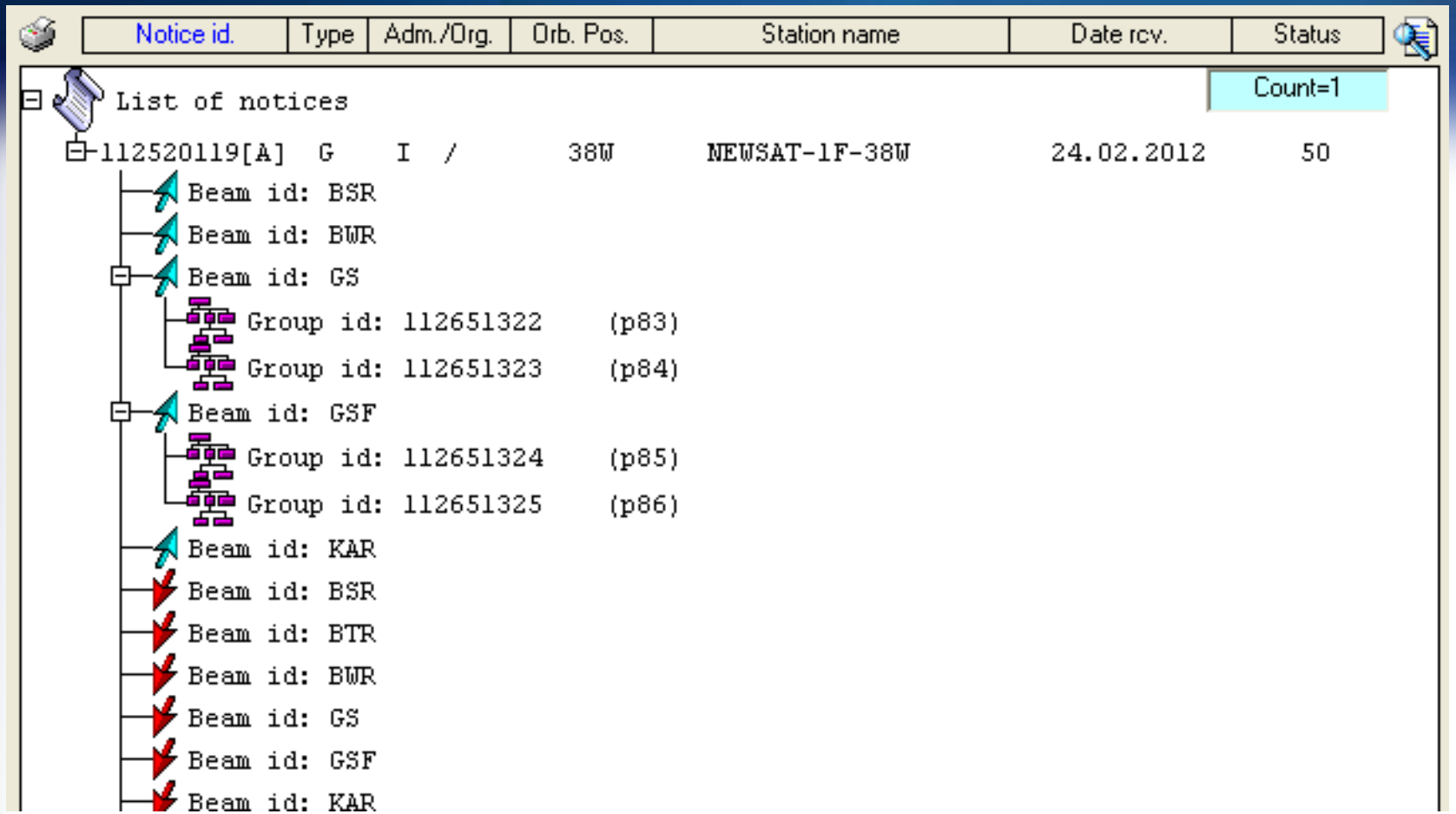
- Addition of new AP4 items
- Addition/Modification of tables for the new due diligence for 21.4-22GHz (RES552)
- Mandatory list of satellite networks identified under No.9.36.2 and 9.41
- Changes to SNS structure as a result of implementation of Resolution 908 – Electronic API
- Others changes

Http link for detail info on v6 -> v7 available soon in SNS Online and Preface web site

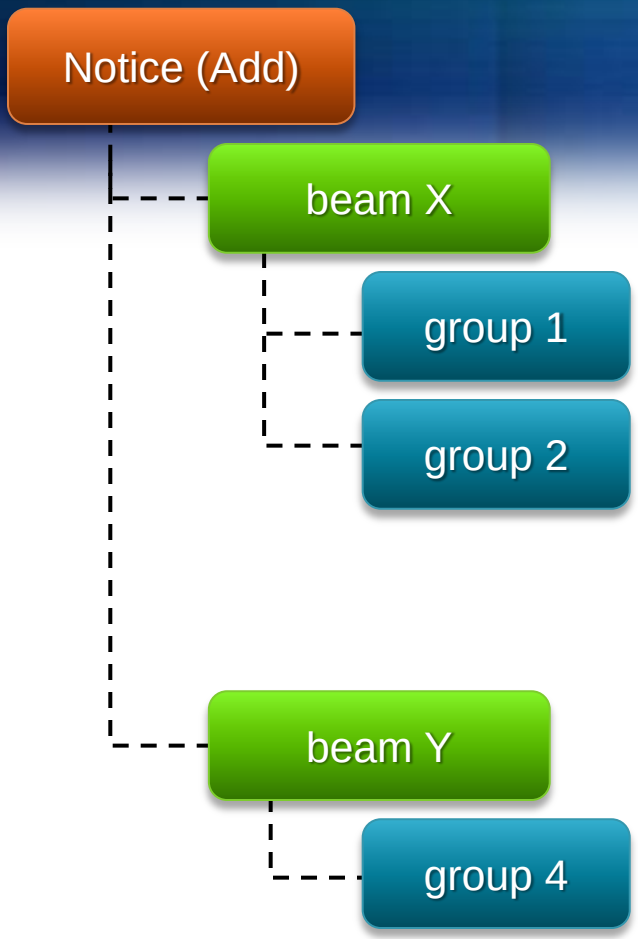
SNS DB Structure – Level of data

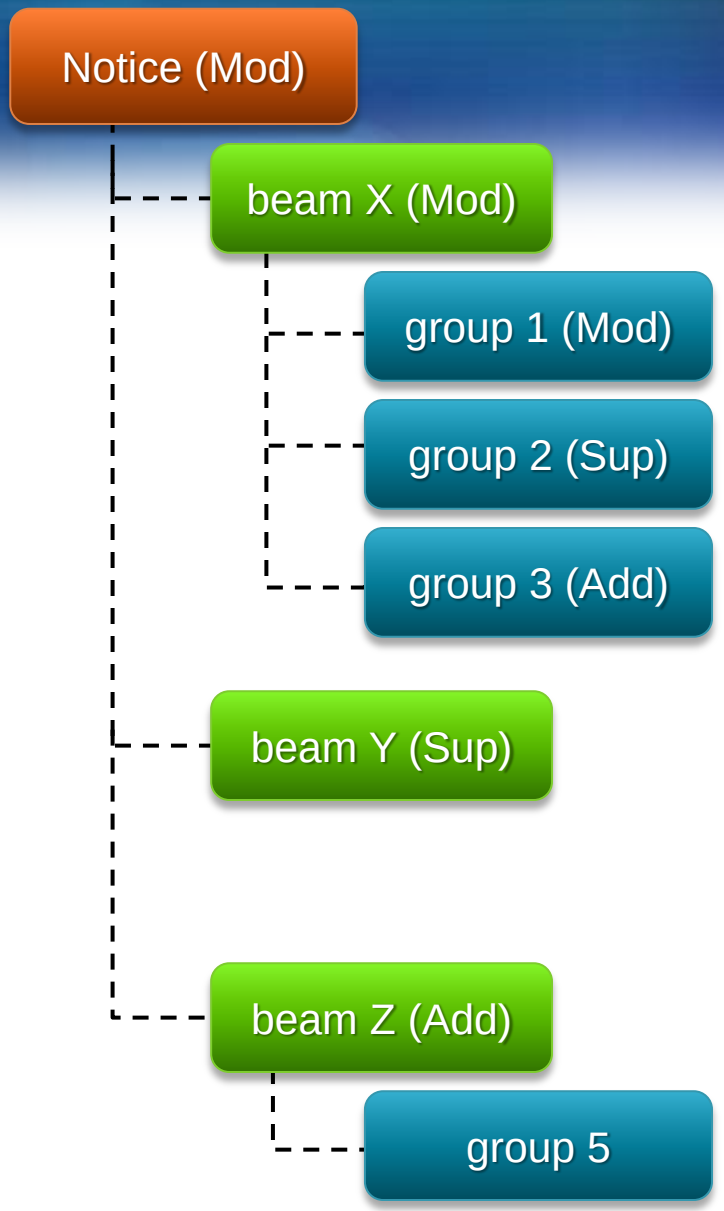


SNS DB Structure – Tree view



SNS DB Structure – Action code





Conclusion

- SNS database, data structure, notice exploration and submission are important. Familiarity with these would help in use of BR space software

- Best way to create electronic notice is to use BR's SpaceCap software
  BR's Space Validation software should be run after capture on the notice to check its validity and correctness.

- ITU/BR web link: biennial & regional seminars, workshops, provides good information
  http://www.itu.int/ITU-R/index.asp?category=conferences&rlink=seminars&lang=en

- Preface to the BR IFIC
  http://www.itu.int/en/ITU-R/space/Preface/preface_e.pdf

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