

# ICAO Data Tool Applications and Data Bases

NACC/WG/04 Meeting

### **SPACE Content**



- To introduce participants to SPACE
- What is it?
- How do I access it?

### **SPACE**



- Integrated with iSTARS (currently 2.0 Beta)
- Marketplace of available applications
  - Select the ones useful for You
- Most available in catalogue
- Some require invitations

# SPACE





### **Access SPACE**



- http://portal.icao.int
- 1. Access the ICAO Portal
  - ✓ "Request an Account" if you do not have one
  - ✓ "Login" if you do
- 2. Access SPACE (iStars 2.0)
  - ✓ If you already have access to iSTARS group, you should see SPACE in its place
  - ✓ If not subscribe to the SPACE group

# Access SPACE (eANP)



- eANP application is by invitation (NOT in the catalogue of apps in SPACE)
- Once you have access to SPACE, subscribe to the EANP group
- After access is granted, you will see it in the "Invitations" tab

### **eANP** Content



- To introduce participants to the eANP app
- Why eANP?
- Parts of the eANP

## Why eANP

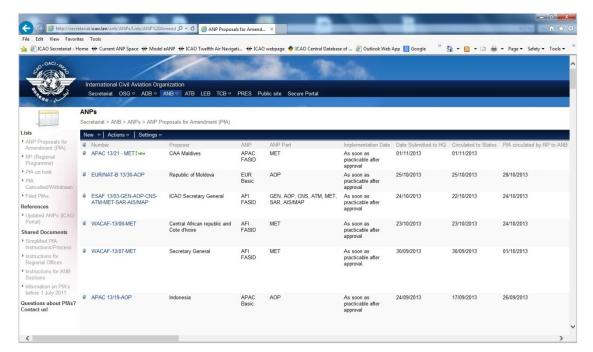


- ROs process amendments via on-line tool
- Updates are visible to all immediately after processing
- Provides PIRGs with data needed for planning
- Data from all regions available to aid in coordination





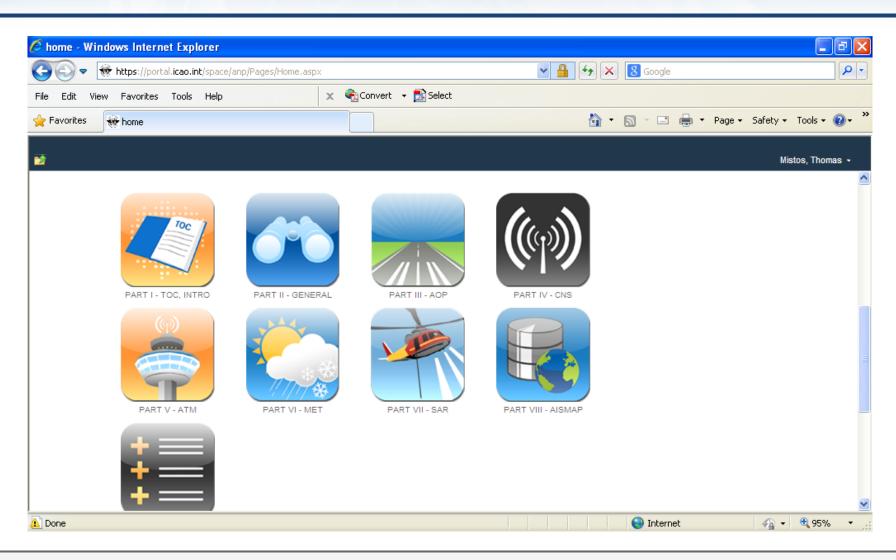
 Online system to process amendments to ANPs Basic and FASID



http://secretariat.icao.lan/anb/ANPs/Pages/PF A.aspx

# **eANP** App





### **eANP** App



- Volumes I and II of Doc-8733
- Basic and FASID for all parts of ANP
- Part I Basic Operational Requirements and Planning Criteria, plus Table of Contents
- Part II General Planning Aspects (GEN)
- Part III Aerodrome Operational Planning (AOP)
- Part IV Communications, Navigation and Surveillance (CNS)

# eANP App cont'd...



- Part V Air Traffic Management (ATM)
- Part VI Meteorology (MET)
- Part VII Search and Rescue Services (SAR)
- Part VIII Aeronautical Information Services and Charts (AIS/MAP)
- Summary Appendix of amendments

# **Frequency Finder Content**



- To introduce participants to the Frequency Finder and Frequency Management tools
- What can I do?
- Differences between the 2 versions
- Future work

# **Background**

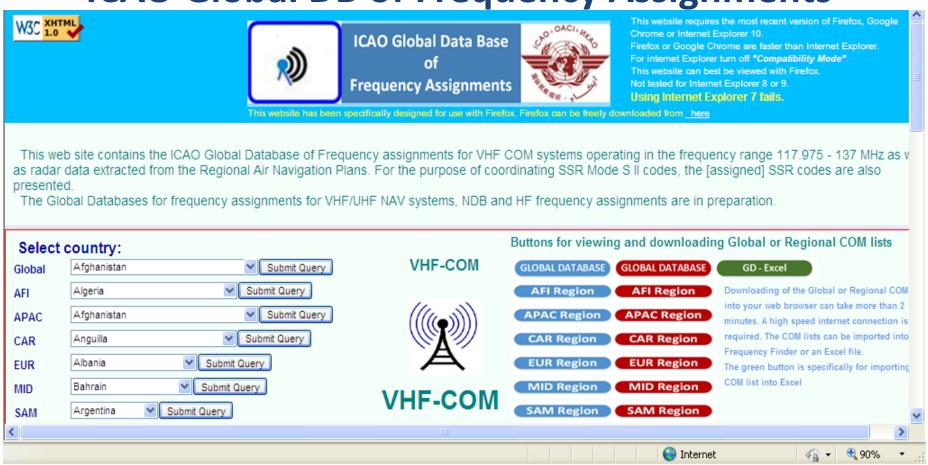


- ACP reviewed frequency assignment criteria for VHF air/ground coms
- Goal to produce comprehensive, globally applicable criteria
- Requires Annex 10 amendments
- Completion of Volume II to the Handbook on Radio Frequency Spectrum Requirements for Civil Aviation (Doc. 9718

# **Frequency Assingments**



### ICAO Global DB of Frequency Assignments



### **Access to Global DB**



http://192.206.28.81/ff1/FF1.php

### **Future Work**



- Review of the frequency assignment planning criteria for:
  - ✓ VHF navigation systems (ILS, VOR, DME, GBAS),
  - ✓ LF/MF beacons (NDB) and
  - ✓ HF air/ground communication systems is ongoing

### **GIS Content**



- To introduce participants to ICAO's Geographic Information System (GIS)
- Access the GIS portal
- Navigate around various options of maps

# GIS (Geographic Information System) Tools

- □ Electronic ANP : www.gis.icao.int/eanp
  - ✓ Still under development but can be used to find latest ANPs
- ☐ GIS Safety Tools
  - ✓ Partly embedded on iSTARS
  - ✓ Language proficiency
- **□** Others



## **GIS Gallery**



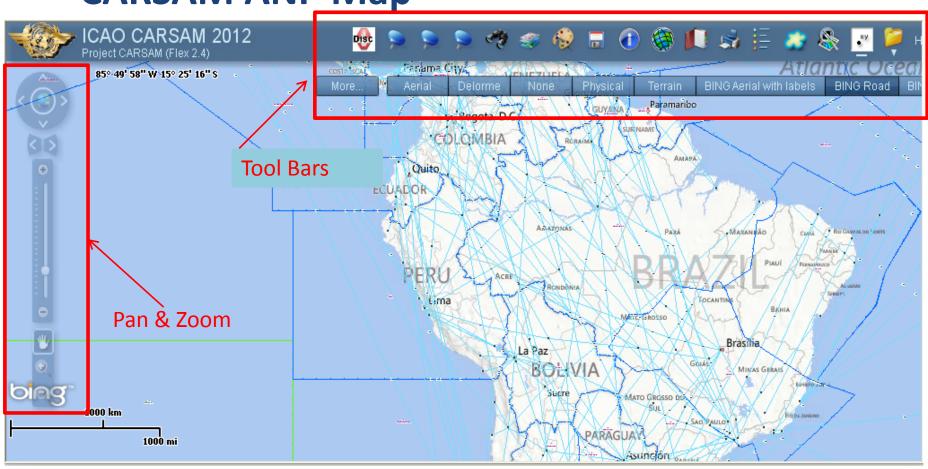
http://gis.icao.int/gallery



# **Frequency Assingments**



CARSAM ANP Map



# **GIS Gallery**



- Contains
  - Maps related to Safety
  - Maps related to Planning
  - Maps related to Efficiency
  - General information maps
- Let us look at some of the features!

## **Other Tools Content**



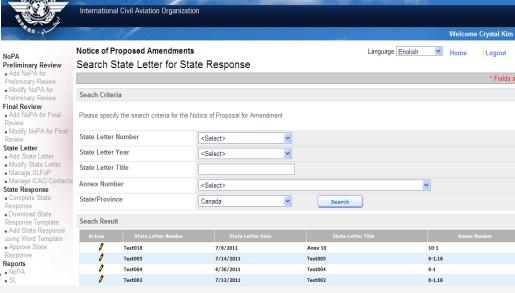
- ENOPA
- EFOD
- AOC
- MANNEX

# **ENOPA Electronic Notice of Proposed Amendment**

### ICAO to:

- Replace paper-based State letter processing
- Produce related working paper and State letter

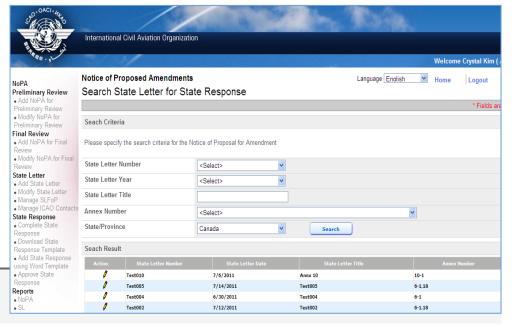
Generate various reports related to responses to
 ENOPA State letters



# **ENOPA Electronic Notice of Proposed Amendment**

### States to:

- View amendments in progress
- Provide comments to State letter
- View history of State responses to amendments
- View other States' comments



### **EFOD**

## **Electronic Filing of Differences**



STATES shall give immediate notification to ICAO of the differences between its own practice and that established by the international standard

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#### Article 38

nternational standards

h finds it impracticable to comply in all uch international standard or procedure, or

to bring its own regulations or practices into full accord with any international standard or procedure after amendment of the latter, or which deems it necessary to adopt regulations or practices differing in any particular respect from those established by an international standard, shall give immediate notification to the International Civil Aviation Organization of the differences between its own practice and that established by the international standard. In the case of amendments to international standards, any State which does not make the appropriate amendments to its own regulations or practices shall give notice to the Council within sixty days of the adoption of the amendment to the international standard, or

indicate the action which it proposes to take. In any such case, the Council shall make immediate notification to all other states of the difference which exists between one or more

features of an international standard national practice of that State.

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#### Article 36

Photographic apparatus

Each contracting State may prohibit or regulate the use photographic apparatus in aircraft over its territory.

#### CHAPTER VI

INTERNATIONAL STANDARDS AND RECOMMENDED PRACTICES

#### Article 37

Adoption of international standards and procedures

Each contracting State undertakes to collaborate in secur the highest practicable degree of uniformity in regulation standards, procedures, and organization in relation to aircr personnel, airways and auxiliary services in all matters which such uniformity will facilitate and improve navigation.

To this end the International Civil Aviation Organizati shall adopt and amend from time to time, as may be necessary. **COUNCIL** shall make immediate notification to all other States of the difference

# **GIS Gallery**



#### States and ICAO to:

- Replace paper-based filing of differences
- Generate various reports related to States' compliance and difference information
- On-demand and real-time access to other States' compliance and differences



# Air Operators Certificate (AOC) System



#### States

- Effective & efficient foreign operator surveillance
- Transparency on validity & currency of AOCs
- Transparency on Operations Specifications

### Operators

- Reduced burden on maintaining AOCs and Operations
   Specifications current on fleet
- Reduced burden to maintain current info required by States (Phase II)

# Air Operators Certificate (AOC) System



- AOC system Version 1.0 was launched in July 2013 that allows States to:
  - upload a dataset of required AOC and operations specifications data, complemented by optional data;
  - search and view AOC and operations specifications issued by other States;
  - print AOC and operations specifications in Annex 6 compliant format;
  - provide validation access for the Operators to their uploaded AOCs and operations specifications

# Air Operators Certificate (AOC) System



- Access at <a href="http://portal.icao.int">http://portal.icao.int</a> Group: AOC
- iKit available at <u>http://www.icao.int/safety/OASIS/AOC\_iKit/st</u> ory.html

### **MANNEX – Mobile Annexes**



- ICAO's Annexes "on the go"
  - Browse
  - Bookmark
  - Keep track of amendments
  - Designed for mobile devices (tablets, smartphones)

### **MANNEX – Mobile Annexes**



Access at <a href="http://www.icao.int/mannex">http://www.icao.int/mannex</a>

