INTERNATIONAL CIVIL AVIATION ORGANIZATION

A United Nations Specialized Agency

Regional eAir Navigation Plan – Harmonized web based tool

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ICAO SIP Workshop on ASBU methodology
(Mexico, 22-26 July 2013)
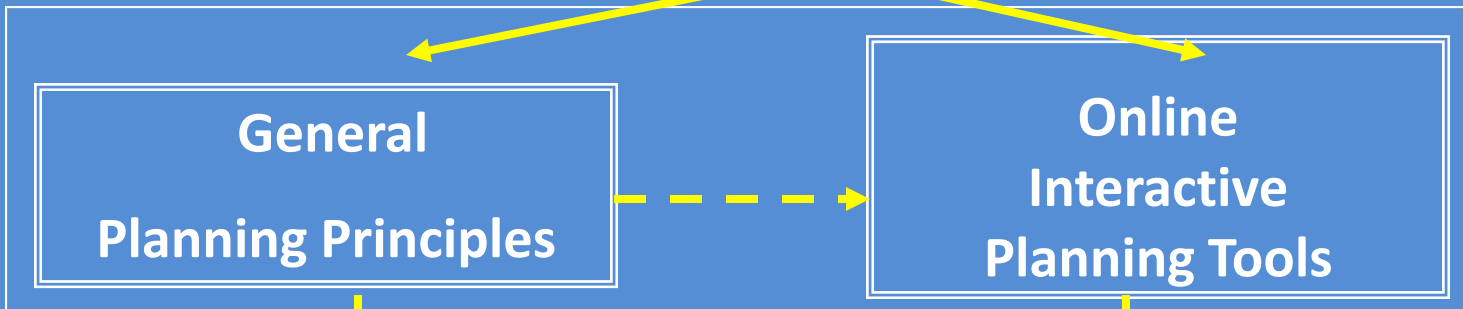
Outline

- Background – Basic ANP/FASID

- Regional Air Navigation Plans

  – Current paper based format

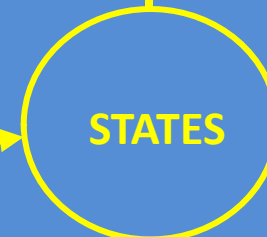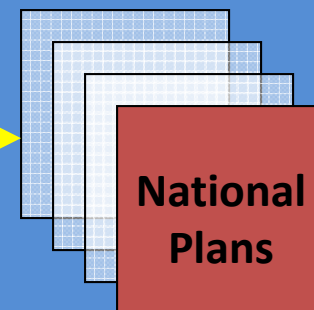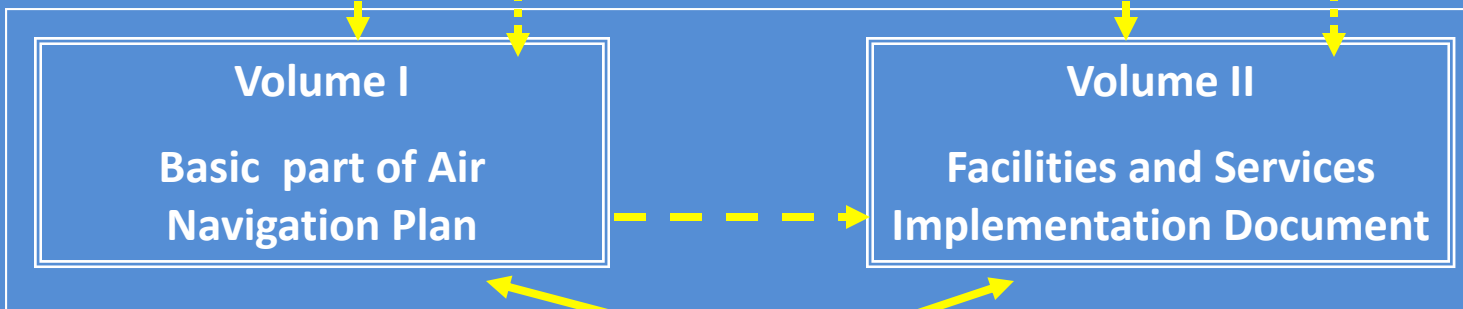 – New online format

- Progress to date

Global Plan, Regional Plans and National plans

ICAO HQ

GLOBAL ANP

General Planning Principles

Online Interactive Planning Tools

National Plans

REGIONAL ANP

Volume I
Basic part of Air Navigation Plan

Volume II
Facilities and Services Implementation Document

STATES

PIRGS
ROs

———	Action
– – –	Contribution line
········	Harmonization
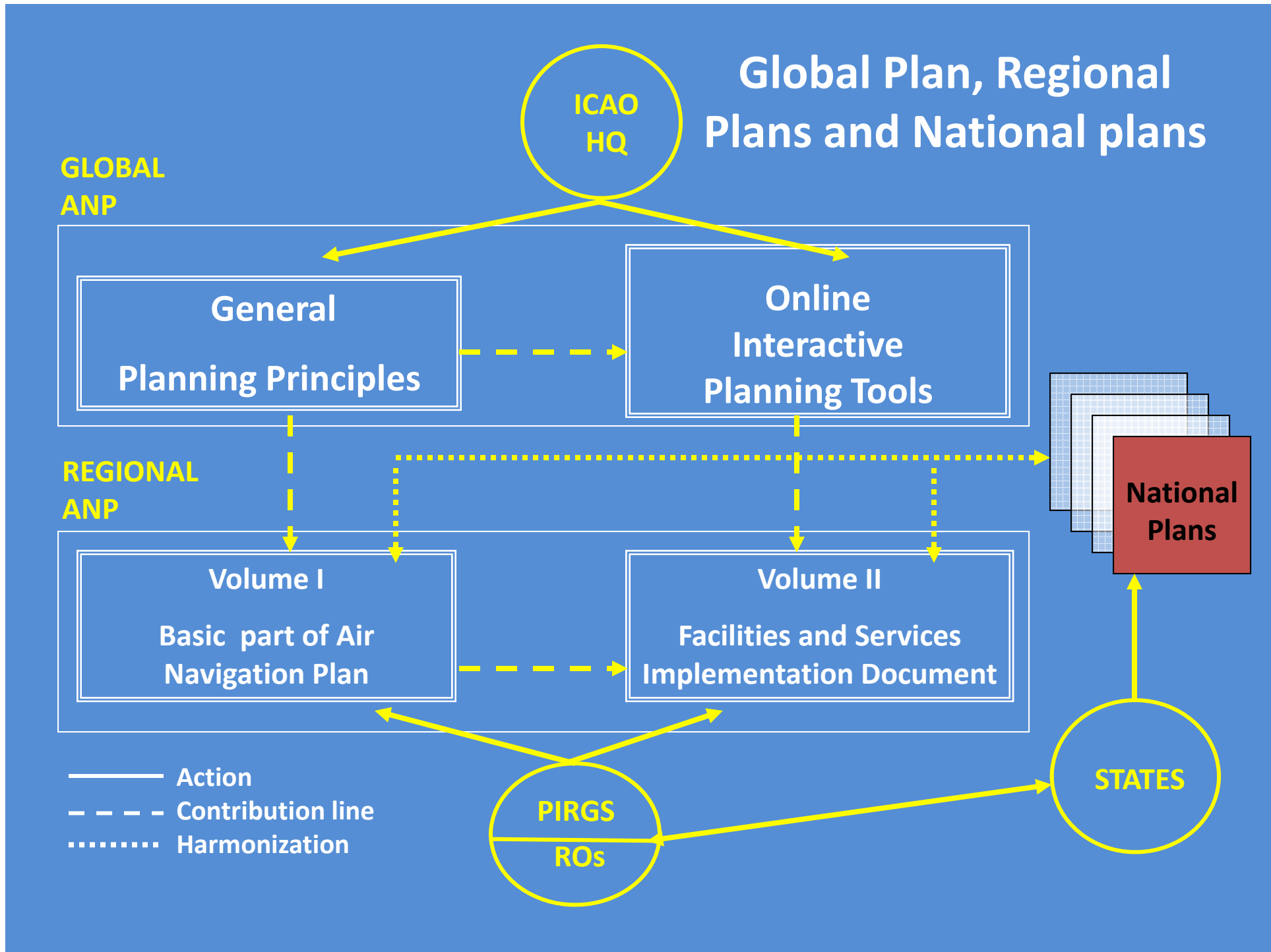
What is Regional ANP?

- The Regional Air Navigation Plans (ANPs) set forth in detail the facilities, services and procedures required for international air navigation within a specified geographical area.

- The development of these regional plans is undertaken by ICAO's six planning and implementation regional groups (PIRGs) in coordination with States and supported by ICAO's Regional Offices and the Air Navigation Bureau.

Regional ANPs -Documents

PIRG	ANP Document
APANPIRG	Asia/Pacific Region (Doc 9673)
APIRG	Africa-Indian Ocean Region (Doc 7474)
EANPG	European Region (Doc 7754)
GREPECAS	Caribbean and South American Regions (Doc 8733)
MIDANPIRG	Middle East Region (Doc 9708)
NAT SPG	*North Atlantic Region (Doc 9634/9635)*

Regional ANPs- current paper based format

The intent was to simplify amendment process to ensure currency of information.

Regional ANPs- current paper based format

In February 1997, the Council decided that the ANPs should be published in two volumes, a basic ANP as volume I and facilities and services implementation document (FASID) as volume II.

Amendments to Basic ANP, the stable document, require a time-consuming approval process by the governing bodies whereas the FASID requires frequent updates through coordination within the Secretariat.

But despite all these improvements, the challenge remained to keep the paper-based Regional ANPs updated.

Effective July 2011, the amendment process was automated to further reduce the time reviewed within ICAO headquarters

Challenges

- Contents of current ANPs
  - Out of date
  - Available in a numerous versions and places
  - Not shared among regions
- Tables and text do not match among regions
- different approval processes for different volumes
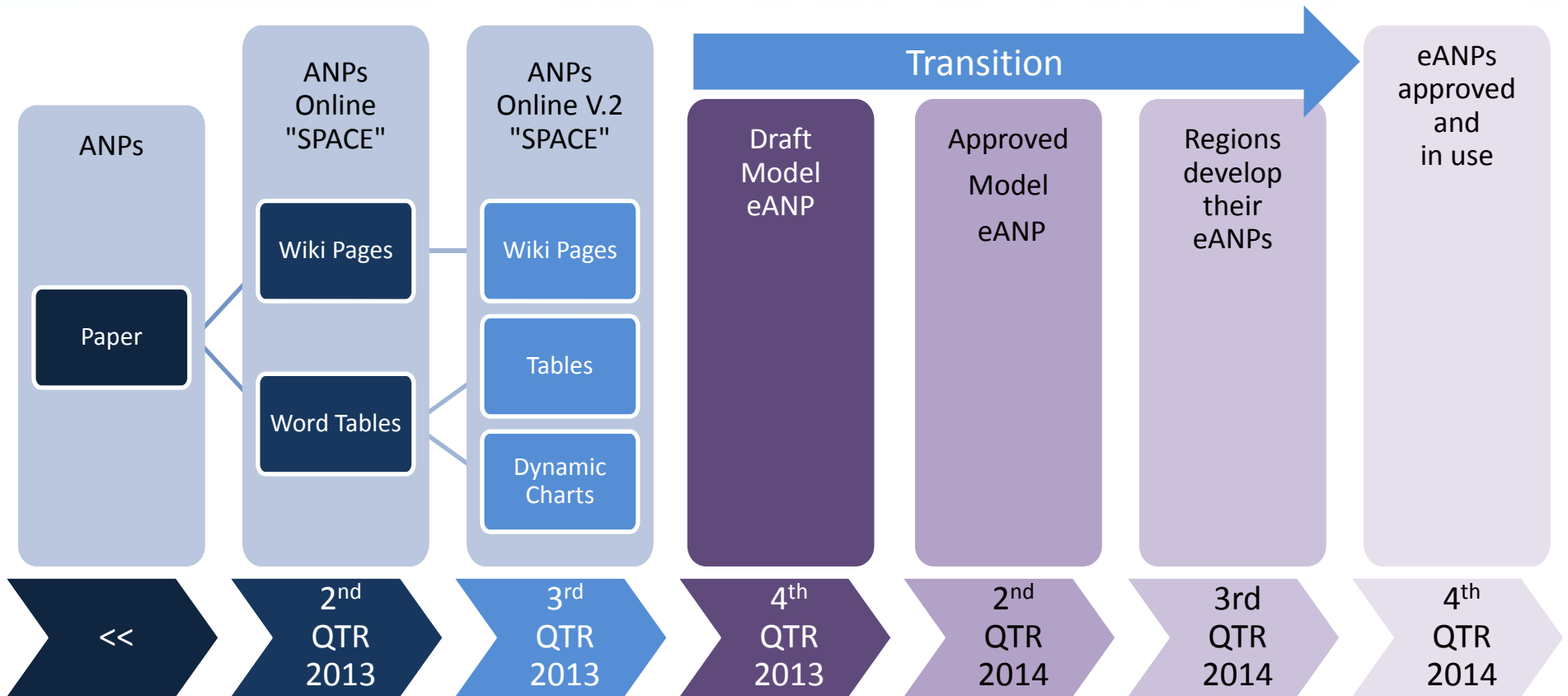- Data and text do not share common database

ICAO Response

- Migrate to online version of ANP called e(electronic) ANP
- To progress further a Working Group within ICAO was formed
  - Harmonize content and process
- ICAO/Partner to design and develop prototype solution for text and tables
  - Enter or edit text of ANP into online library
  - Change tables into dynamic online tables
  - Test with eANP WG and RO to ensure acceptance

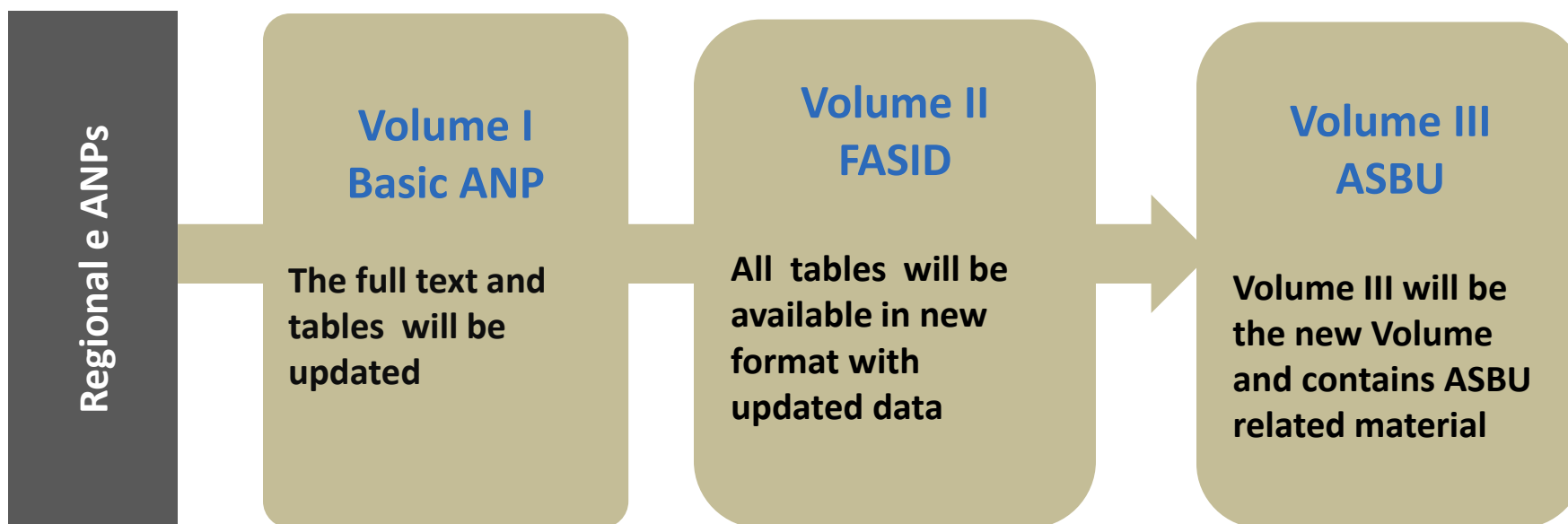# eANP WG- Way forward for the development of eANP

- ✓ The e (electronic) ANP Working Group, comprising of one officer each from the RO and HQ, was established on 19 December 2012.
- ✓ Summary of tasks of the Working Group include:
  - development of a new structure, format and content to RANPs;
  - harmonization of the tables contained in the current FASID to support the implementation of ASBUs;
  - relevant implementation monitoring and reporting process.;
  - review and propose amendments to the current ANP amendment procedures and approval process, as appropriate;
  - prepare an action plan to carry out the above activities.
- ✓ The proposals developed by the eANP WG will be presented to the D/ANB in November 2013
- ✓ First meeting of eANP WG was held in Paris in Feb 2013 and second meeting is scheduled for 18-22 Nov 2013 in Montreal

eANP Road Map

ANPs

Paper

ANPs Online "SPACE"

Wiki Pages

Word Tables

ANPs Online V.2 "SPACE"

Wiki Pages

Tables

Dynamic Charts

Transition

Draft Model eANP

Approved Model eANP

Regions develop their eANPs

eANPs approved and in use

<<

2nd QTR 2013

3rd QTR 2013

4th QTR 2013

2nd QTR 2014

3rd QTR 2014

4th QTR 2014

eANP -What are the new features?

Regional e ANPs

**Volume I
Basic ANP**

The full text and tables will be updated

**Volume II
FASID**

All tables will be available in new format with updated data

**Volume III
ASBU**

Volume III will be the new Volume and contains ASBU related material

eANP -FASID Tables (sample)

GIS MAP to provide transparency in a format that provide a high-level overview of the status of implementation

Action options

Tabular view of information

eANP: Progress to date

- Version V1.0 introduced at 12Th ANC

- Version v2.0 presented at first eANP WG

- Version v3.0 - "online -eANP" (in progress)
  - Rebuilt user-interface to include links and graphics
  - Addition of some (static) charts
  - Edit rights for those who have permission
  - Versioning, workflow, publish features enabled

eANP - Development on ICAO portal

- SPACE – a portal (secure) website containing updated version of iSTARS plus eANP
    - Soon ASBU, PBN, and <u>much</u> more
        - Enables data sharing and transfer behind the scenes
    - How to Access SPACE (Under construction)
        - Login to https://portal.icao.int
        - Apply to group name "SPACE"
            - Then URL: https://portal.icao.int/space/anp

eANP- Benefits

- One source, up to date ANP
    - by section, volume, region
    - versioning, check out/in, publish and approval enforce a single- and up-to-date resource online
- Accessible to all to view
- Editable tables and dynamic maps

eANP - User Roles and Rights

- View (Read Only) for the majority of users
- Contribute – those who draft amendments
  - Drafts visible to originator only, not "published"
- Approved to be published
  - ICAO HQ (SAST) will quality check, review, then publish (make visible) the amended ANP text

eANP – Screenshot/Homepage

Air Navigation Plans

Select a region: CARSAM - Caribbean and South America ▼   Select a volume: Basic ▼

Basic Front   **Basic General**   **Basic AOP**   **Basic CNS**

Basic ATM   **Basic MET**   **Basic SAR**   **Basic AIM**

Thank You