



INTERNATIONAL CIVIL AVIATION ORGANIZATION

A United Nations Specialized Agency

ASBU/SIP/LIMA/2013-WP/7

Regional eAir Navigation Plan – Harmonized web based tool

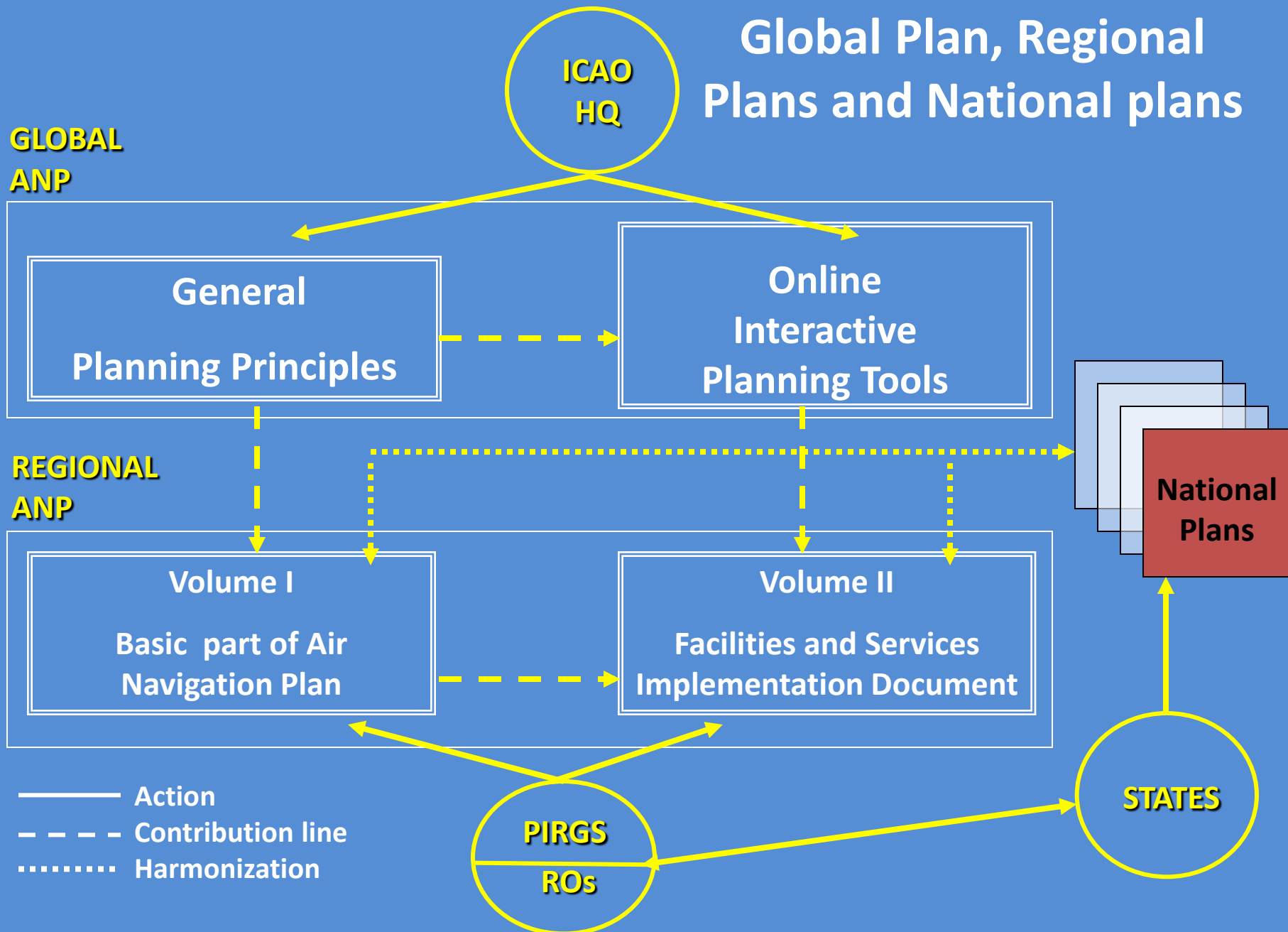
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Outline

- 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



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	<i>North Atlantic Region</i> (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 - Out of date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

- 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 - Process



STEP 1



Existing Basic and FASID ANP (paper based ANPs): An online most updated version (charts when available) of existing Regional ANPs will be offered by **2013**

STEP 2



A first draft of the eANP model will be available by **November 2013**. It is expected that the model be finalized by **May 2014**

STEP 3



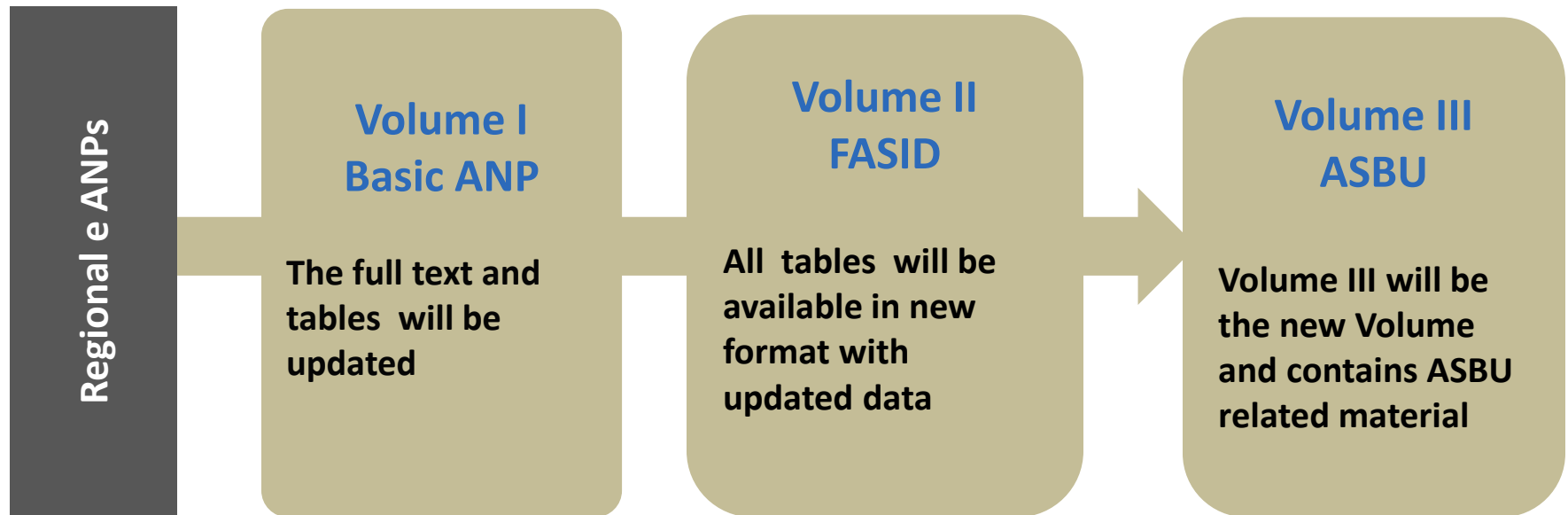
Regions to develop their eANPs on the basis of new model; and Regions to prepare/circulate PfAs with regional eANPs as per corresponding amendment procedure. **May –Sep 2014**

STEP 4

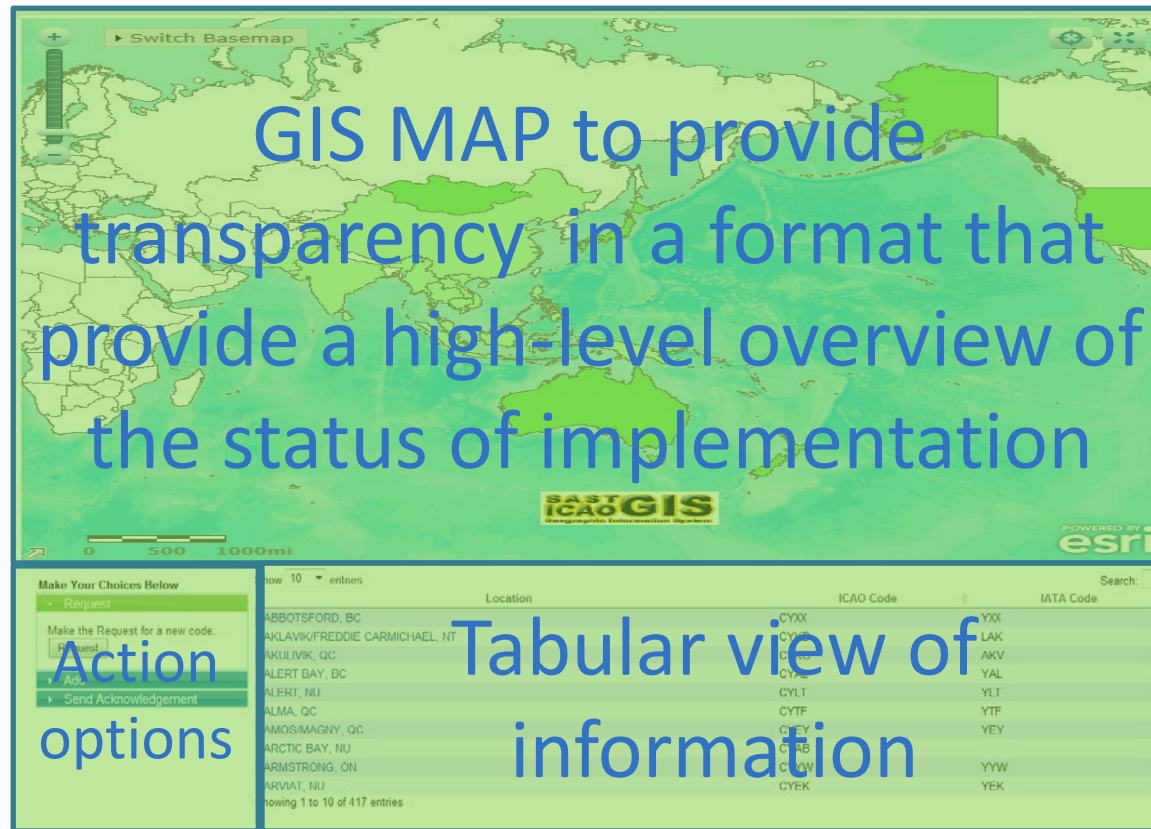


Online eANPs will be available for operational use from **November 2014**

eANP -What are the new features?



eANP -FASID Tables (sample)



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- 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



North American
Central American
and Caribbean
(NACC) Office
Mexico City

South American
(SAM) Office
Lima

**ICAO
Headquarters
Montreal**

Western and
Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

Eastern and
Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Office
Bangkok

Thank You