



**INTERNATIONAL CIVIL AVIATION ORGANIZATION**

*A United Nations Specialized Agency*

WKSP/ASBU/NAIROBI/2013-PPT/04

# **Regional eAir Navigation Plan – Harmonized web based tool**

## **Air Navigation Bureau**

**WORKSHOP ON ASBU FRAMEWORK: ALIGNMENT OF REGIONAL AND NATIONAL PERFORMANCE PLANS, PLANNING,  
IMPLEMENTATION, MONITORING AND REPORTING  
(NAIROBI, KENYA, 21-25 OCTOBER 2013)**

# Outline



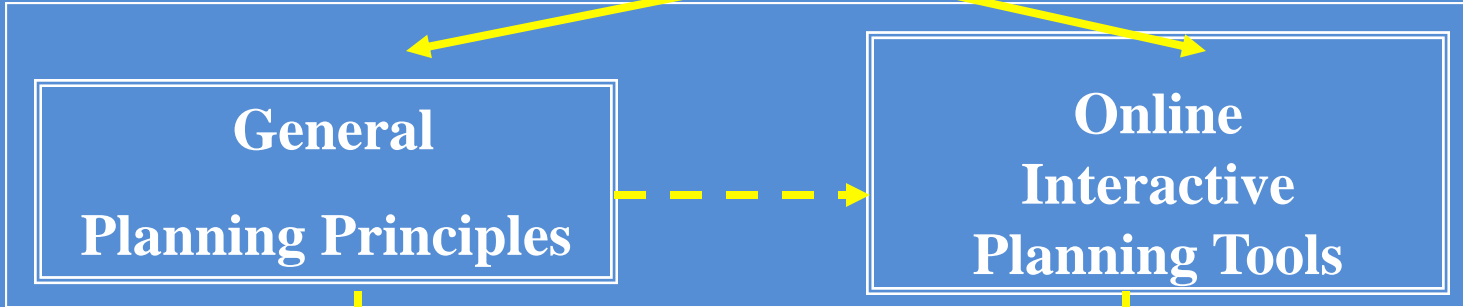
- Background – Basic ANP/FASID
- Regional Air Navigation Plans
  - Current paper based format
  - New online format
- Progress to date



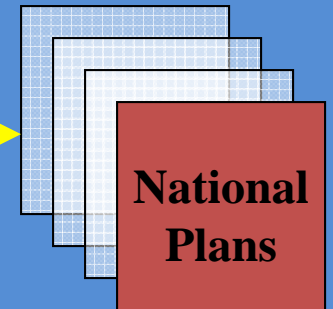
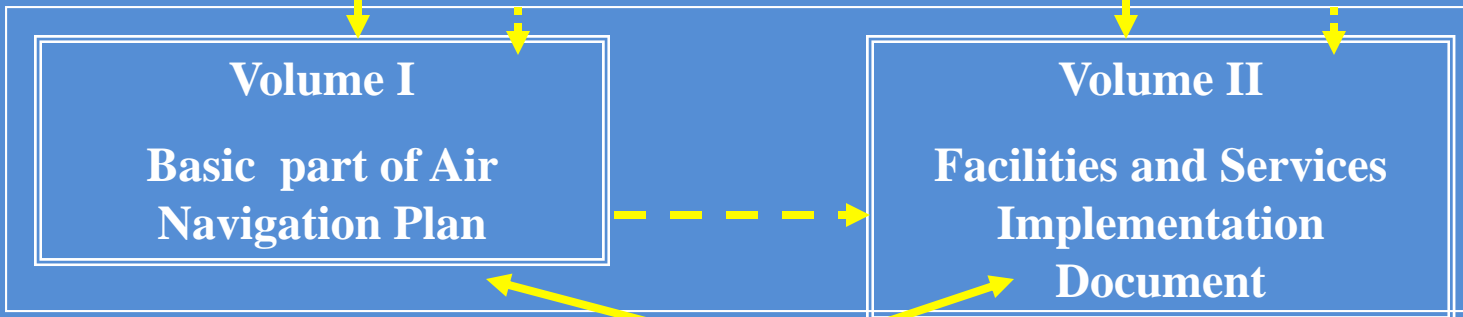
# Global Plan, Regional Plans and National plans

ICAO  
HQ

GLOBAL  
ANP



REGIONAL  
ANP



PIRGS  
ROs

STATES

- 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



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

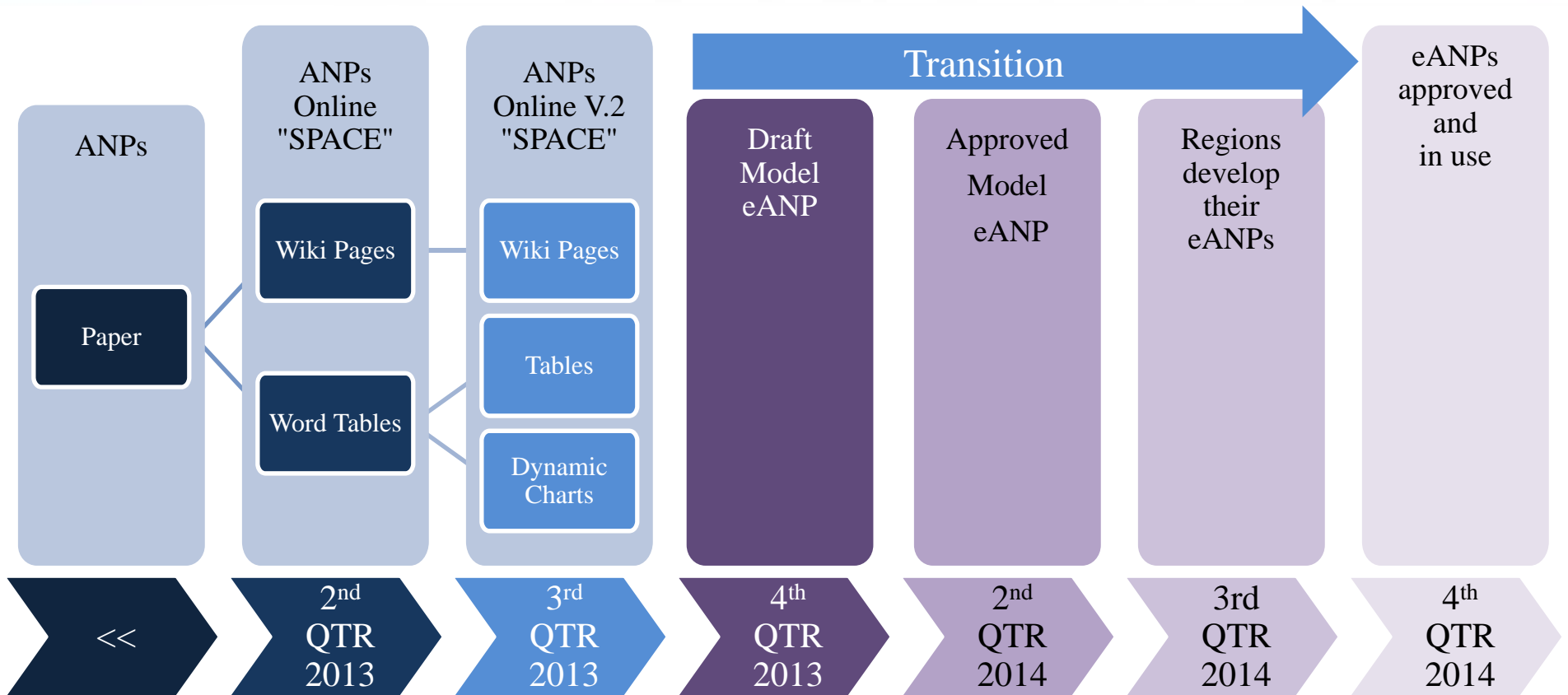


# eANP WG- Way forward for the development of eANP

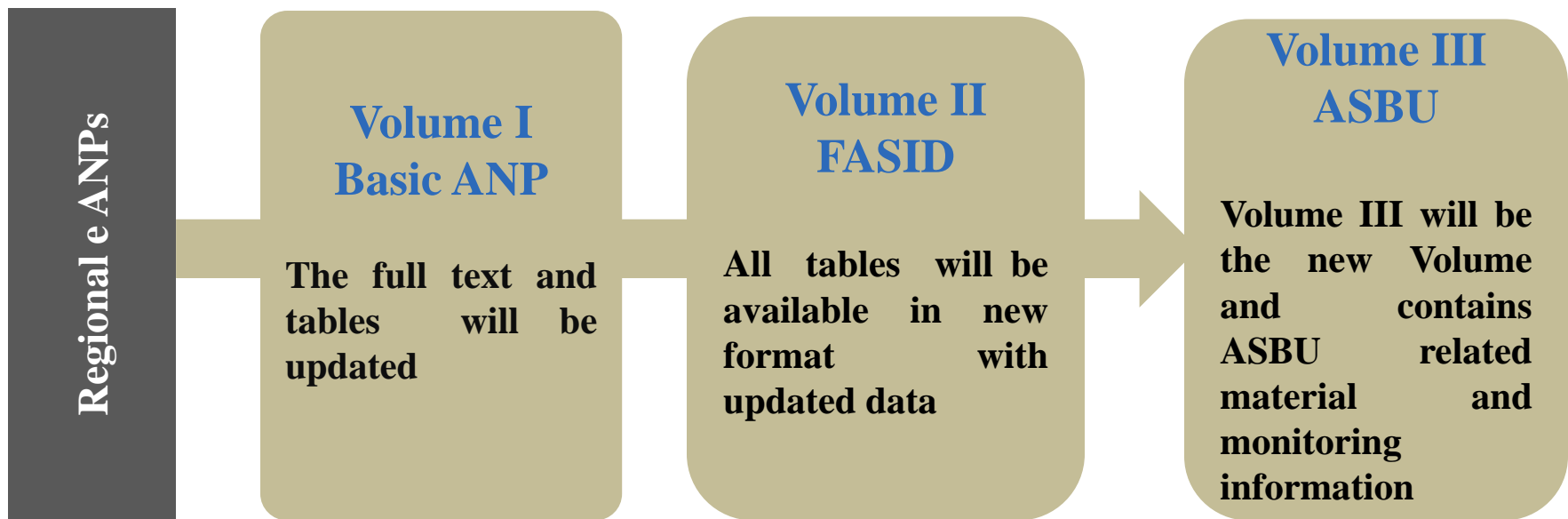


- ✓ The e (electronic) ANP Working Group, comprising of one officer each from the RO and HQ, was established on 19 December 2012.
- ✓ Summary of tasks of the Working Group include:
  - development of a new structure, format and content to Regional ANPs;
  - harmonization of the tables contained in the 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



# eANP - What are the new features?



# 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

Location	ICAO Code	IATA Code
ABBOTSFORD, BC	CYXX	YXX
AKLAVIK/FREDDIE CARMICHAEL, NT	CYKD	LAK
AKULIVIK, QC	CYKO	AKV
ALERT BAY, BC	CYAL	YAL
ALERT, NU	CYLT	YLT
ALMA, QC	CYTF	YTF
AMOS/MAGNY, QC	CVEY	VEY
ARCTIC BAY, NU	CYAB	YAB
ARMSTRONG, ON	CYYW	YYW
ARVIAT, NU	CYEK	YEK

# eANP: Progress to date



- Version V1.0 introduced at 12<sup>Th</sup> 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

HELP | PROFILE | Search this site...

The screenshot shows the ICAO Secure Portal interface. At the top left is the ICAO logo and the text 'Secure Portal INTERNATIONAL CIVIL AVIATION ORGANIZATION A United Nations Specialized Agency'. Below this is a navigation bar with 'ICAO PUBLIC SITE' and 'ICAO SECURE PORTAL'. The main content area is titled 'eANP Working Group' and shows a list of documents under 'All Documents'. The table below lists three draft volumes, all modified on 05/03/2013 by Gélinas, Ingrid.

Type	Order in Doc	Name	Focal Point	Modified	Modified By
📁		Draft Volume I		05/03/2013 2:34 PM	Gélinas, Ingrid
📁		Draft Volume II		05/03/2013 2:40 PM	Gélinas, Ingrid
📁		Draft Volume III		05/03/2013 2:40 PM	Gélinas, Ingrid

jalScreenshot

# eANP - Development on ICAO portal



SPACE – a portal (secure) website containing updated version of iSTARS plus eANP

- Soon ASBU, PBN, and much 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/pace/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



**SPACE**  
iSTARS 2.0

[MY APPS](#) | [CATALOGUE](#) | [NEWS](#) | [SUPPORT](#) | [CONTACT US](#) | [ISTARS 1.0 HOME](#) | [PROFILE](#)

Search this site...

## Air Navigation Plans

Select a region:

Select a volume:



PART I - TOC, INTRO



PART II - GEN



PART III - AOP



PART IV - CNS



PART V - ATM



PART VI - MET



PART VII - SAR



PART VIII - AIS/IMP



SUMMARY





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

A world map is shown in a light blue color. Eight colored dots (blue or orange) are placed on the map, each connected by a thin line to a text label describing an ICAO office. The orange dot is located in North America, representing the ICAO Headquarters in Montreal. The other seven dots are blue and represent regional offices in Mexico City, Lima, Dakar, Paris, Cairo, Nairobi, and Bangkok. A large, rounded rectangular box with a grey gradient background and a black border is centered over the map, containing the text "Thank You" in a bold, dark blue font.