ASBU

Regional electronic Air Navigation Plan

eANP

CAR/SAM

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What is the Regional ANP?

- The Regional Air Navigation Plans (ANPs) detail the following:

  – Facilities;
  – Services; and
  – procedures required for international air navigation within a specified geographical area

- The development of these regional plans is undertaken by the ICAO Planning and Implementation Regional Groups (PIRGs) in coordination with States and supported by ICAO Regional Offices and the Air Navigation Bureau.

Regional ANPs -Documents

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

- ## Background –ANP

26 February 1997, the ICAO Council decided that ANP should be published in two volumes:

  - **Basic ANP**
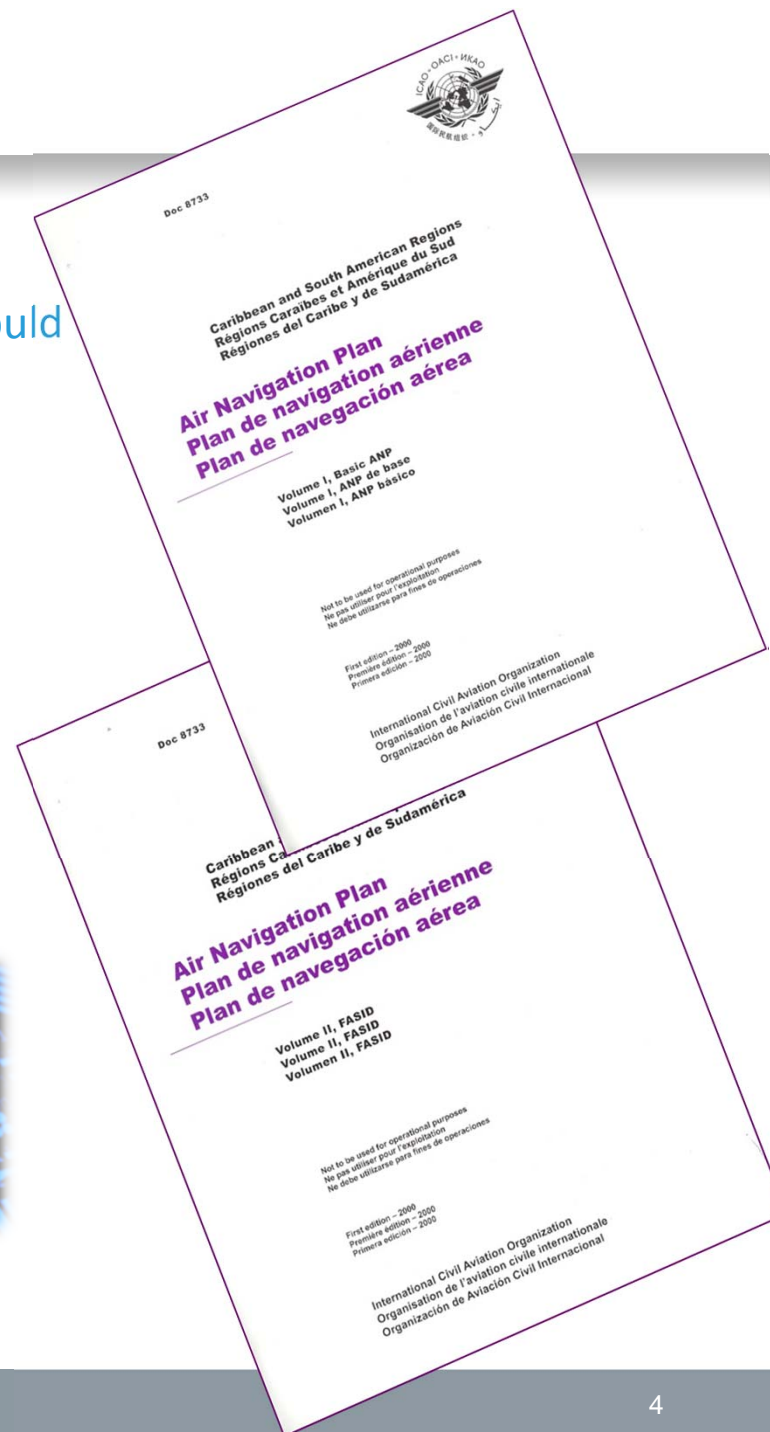 - **FASID document** (facilities and services implementation)

- ## Regional Air Navigation Plans

Transition from paper - electronic

  - ✓ Current paper based format
  - ✓ New online format

- # Under process

Planning

- **ANP**
  - Currently:
    - Implementation targets
    - Lack of performance targets

  - eANP
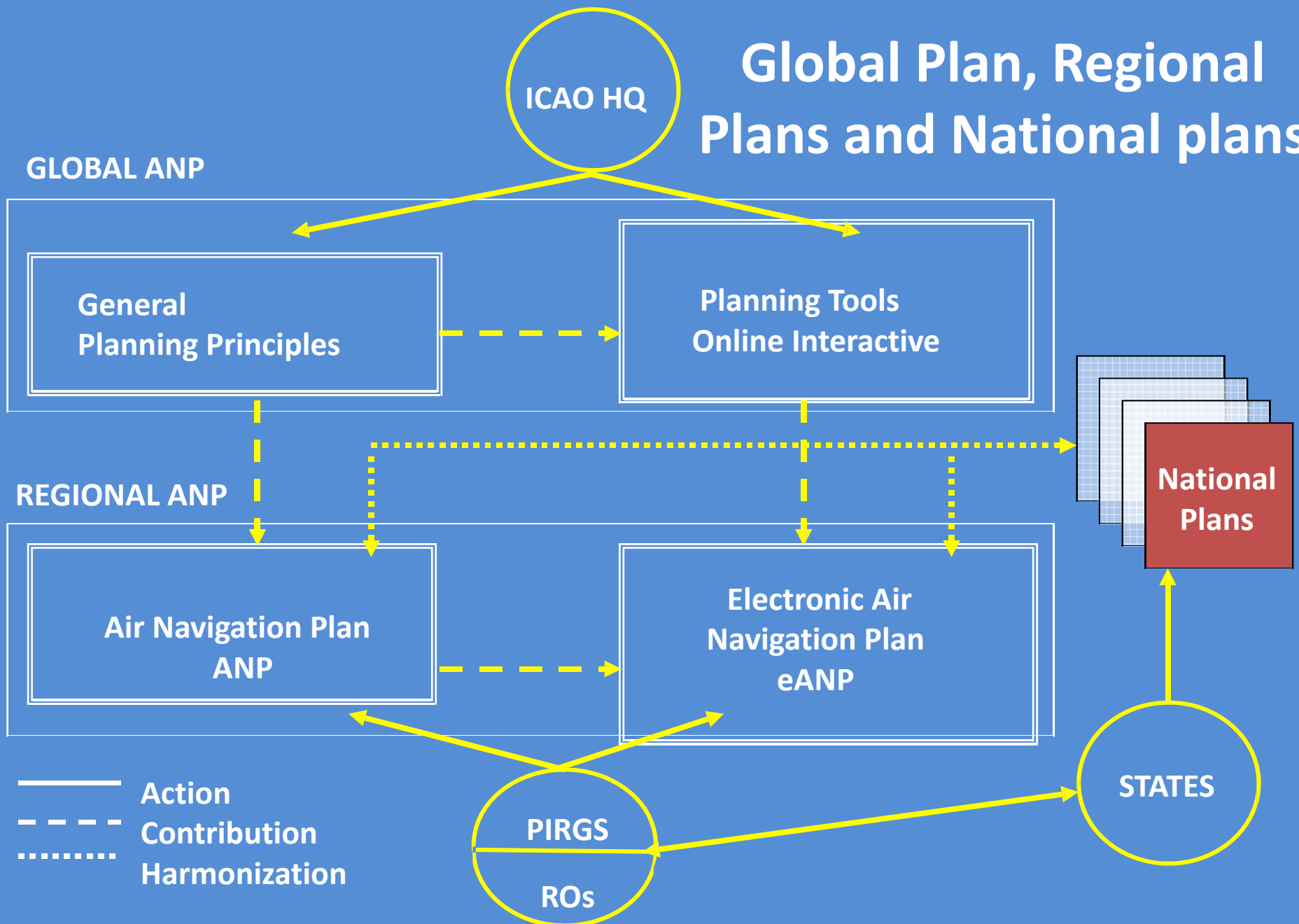 - Proposal:
    - Keep it simple
    - Review of template in 2017:

      » performance metrics
      » Implementation elements review
      » ASBU and non ASBU operational improvements

  - **Regional Plans**

Global Plan, Regional Plans and National plans

ICAO UNITING AVIATION

Programmes and Projects Review Committee (PPRC/04)

DRAFT DECISION PPRC/4-3

POSTPONEMENT OF THE ADOPTION OF THE VOL. III OF THE CAR/SAM eANP

That, attending that the ICAO is developing the GANP update for 2019 and the importance of align the Volume III to the requirements of GANP

a) **the Secretariat, delay the circulation of Vol. III of the e-ANP CAR/SAM to complete alignment with the sixth version of the GANP; and**

b) Due to the GANP in its sixth edition will develop in more detail the implementation based on the performance, urges States to continue using regional implementation plans based on the performance (SAM-ISPs and RPBANIP) for the elaboration of their National Air Navigation Plans

ANP Volume I

- Contains stable plan elements whose amendment necessitates approval by the Council such as the assignment of responsibilities to States for the provision of services such as:

    - aerodrome
    - air navigation facilities and services

- The material to be included in Volume I should minimize the requirement for frequent amendment:

    - Flight Information Regions (FIR) boundaries (Table and Charts);
    - Search and Rescue Regions (SRR) boundaries (Table and Charts);
    - Volcanic Ash Advisory Centres (VAAC);
    - Tropical Cyclone Advisory Centres (TCAC); and
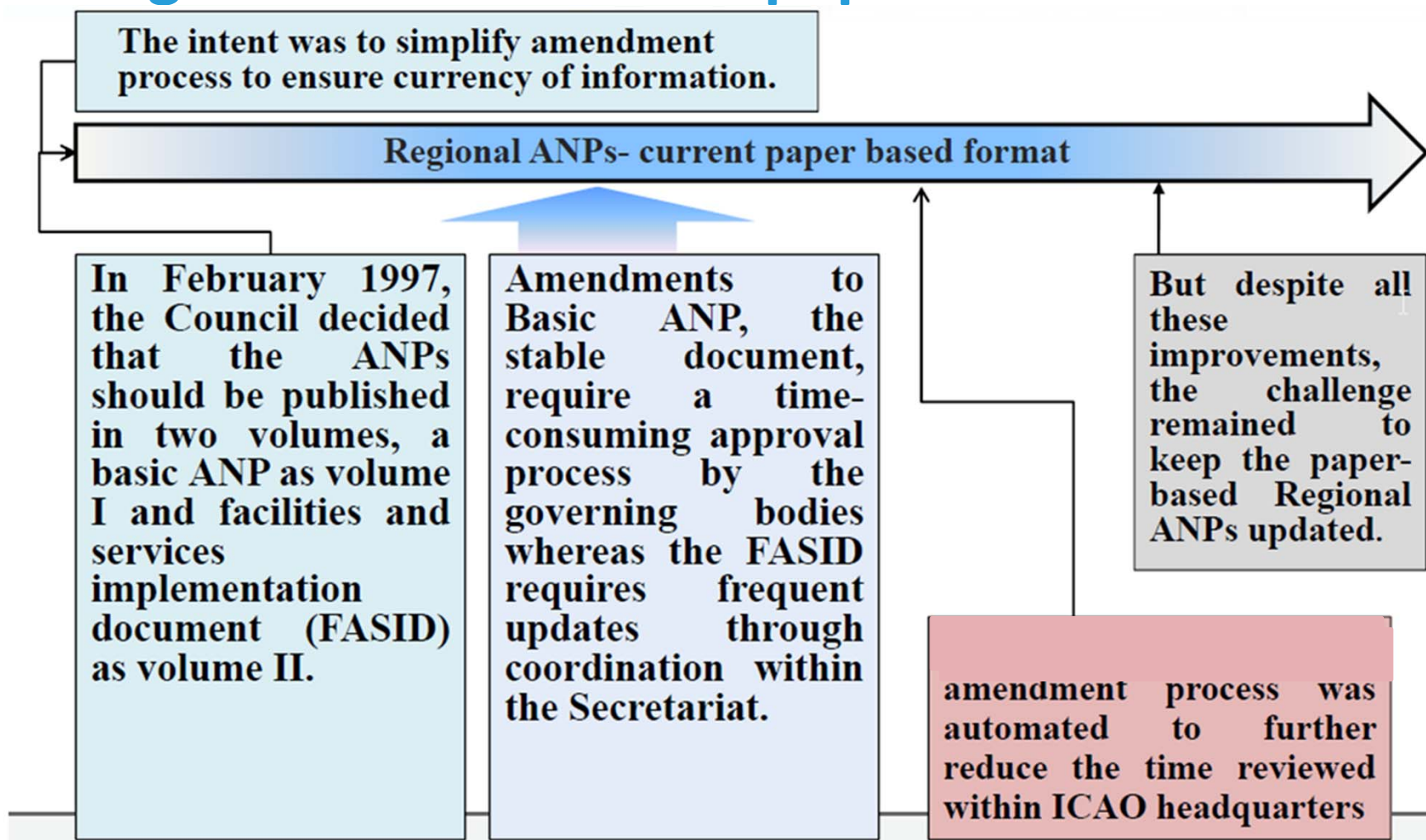   - Volcano Observatories (VO).

ANP Volume II

- Contains dynamic plan elements material related to the assignment of responsibilities to States for the provision of aerodrome and air navigation facilities and services

- Medium term regional requirements related to aerodrome and air navigation facilities and services to be implemented by States in accordance with regional air navigation agreements involving the relevant PIRG.

- The amendment of these elements does not require approval by the Council:

  - Major traffic flows;
  - ATS route network;
  - Meteorological Watch Offices (MWO);
  - Secondary Surveillance Radar (SSR) codes;
  - Five-letter name-codes; and
  - VOLMET Broadcasts.

ANP Volume III

- Contains dynamic/flexible plan elements providing implementation planning guidance for air navigation systems

- Modernization taking into consideration emerging programmes such as the ICAO ASBUs

- Associated technology roadmaps described in the *Global Air Navigation Plan* (GANP) (Doc 9750)

- The ANP Volume III would also include appropriate additional guidance, particularly with regard to implementation to complement the material contained in the ANP Volumes I and II.

- The amendment of Volume III would not require approval by the Council (under responsibility of the relevant PIRG).

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.

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

Up-date:

- Migrate to online version of ANP called (electronic) eANP
- A Working Group was formed within ICAO:

  ✓ 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 the eANP WG and Regional Offices to ensure its acceptance

Implementation phases

- **Planning**
  - Global Air Navigation Plan (GANP) as reference
  - eANP
  - National Plans
- **Deployment**
  - Deployment Packages
- **Follow-up**
  - Dashboards
  - Other tools

eANP -What are the new features?

eANP - Regional

Vol. I
ANP basic

The complete text and tables will be updated

Vol. II
FASID

All tables will be available in the new format with data up to date

Vol. III

**Vol. III will be a new volume and will include material related to the GANP 6ª Ed., ASBUs and with monitoring of information.**
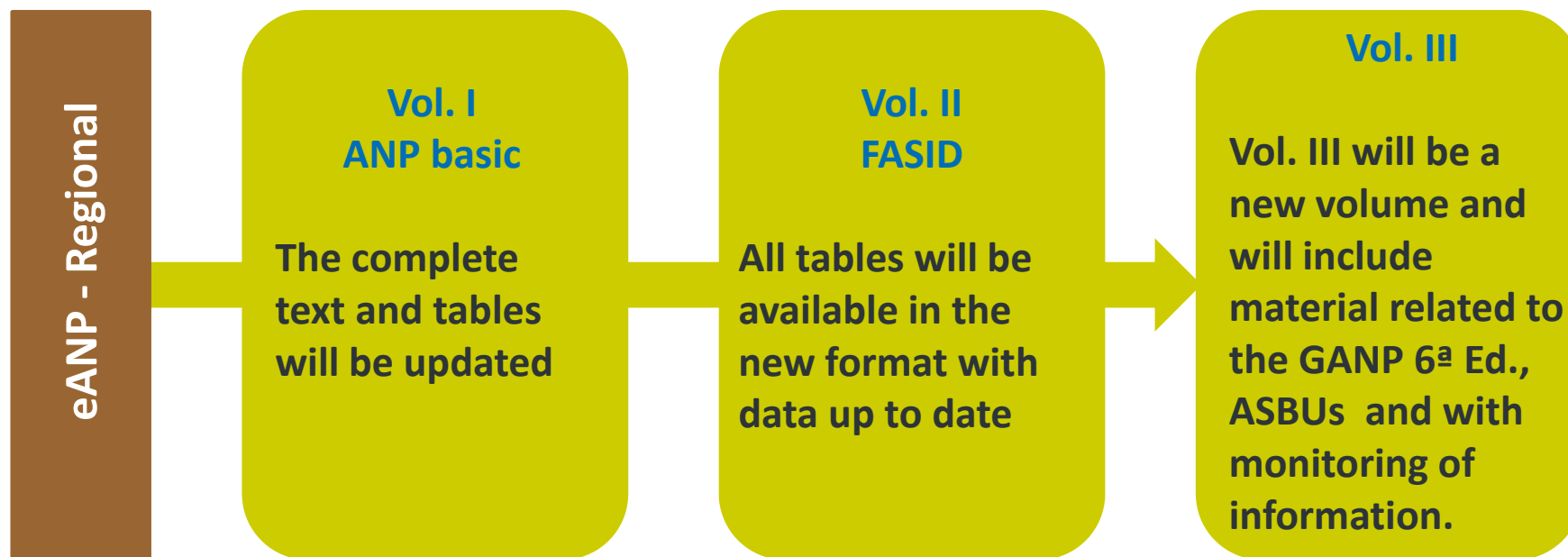
Source for Planning

- **GANP as reference**
  - **Development of a new version (deep update) in progress**

- **ASBU Document**
- **Current version:**
  - Lack of harmonization
  - Modules defined in different details
  - Not clear guidance for implementation

- **Proposal: TEMPLATE FOR THE PANELS**
  - Planning Elements
  - Enablers
  - Expected benefits

Doc 9750 | Fourth Edition – 2013

2013-2028 | Global Air Navigation Plan
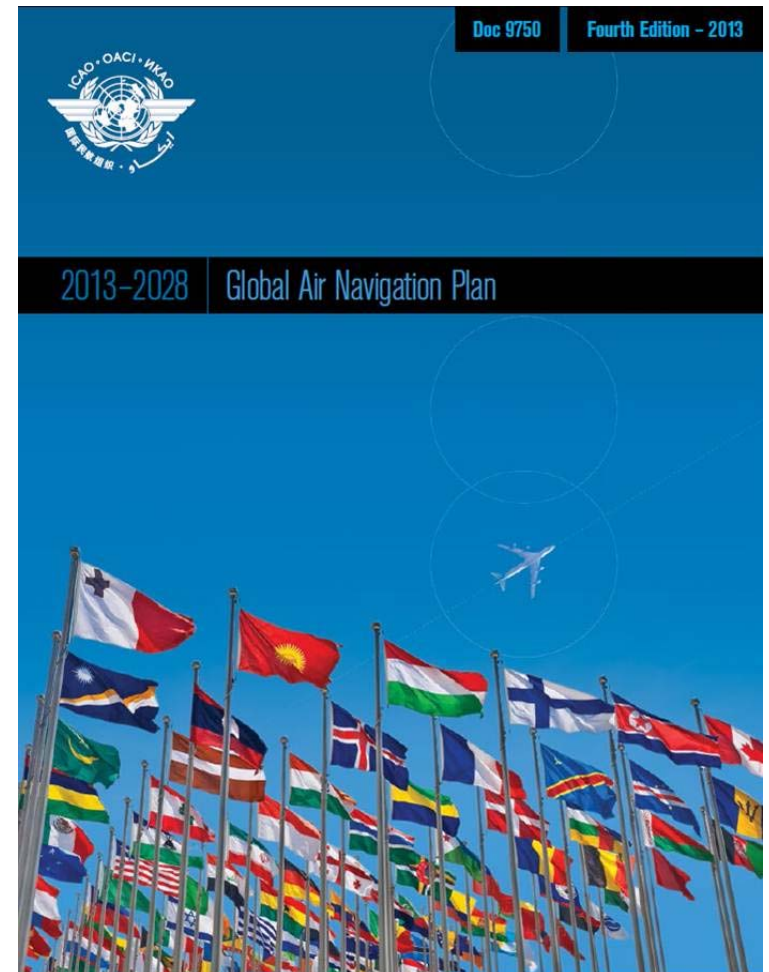
Follow-up Process

- **Dashboards**

  – Currently:
    - Available, but not useful
    - Implementation metrics
  – Proposal
    - Analysis of why is not useful
    - Fix
    - Promote
  – Include performance metrics

eANP - User Roles and Rights

http://www2010.icao.int/NACC/Pages/ES/namcar-eANPV1_ES.aspx

- **View (Read Only) for the majority of users**

  - ✓ **Contribute** – those who draft amendments

    - **Draft visible only to originator, not «published»**

  - ✓ **Approved to be published**

    - **ICAO HQ (SAST) reviews and verifies the quality, elaborating a final version, thus making visible the modified text of the ANP amendment**

eANP – Benefits

http://www2010.icao.int/NACC/Pages/ES/namcar-eANPV1_ES.aspx

- Only one source to update the ANP:

  - by section, volume and Region
  - Control of versions, publish and enforce to comply with a single approval
  - up-to-date resources online

- Accessible for the view of all users

- Editable tables and dynamic maps

Thank you!

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