



INTERNATIONAL CIVIL AVIATION ORGANIZATION

A United Nations Specialized Agency

ASBU/SIP/MEXICO/2013-WP/15

Global Reporting

Annual Global Air Navigation Report

H. Sudarshan

Air Navigation Bureau

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

Air Navigation Reporting Current



REPORTS



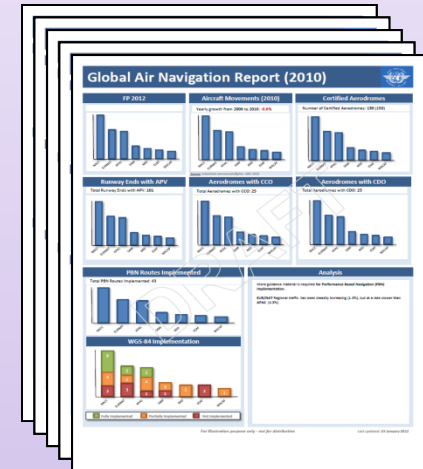
PAPER

DATA

| Country | 2012 | 2011 | 2010 | 2009 | 2008 |
|---------|--------|--------|--------|--------|--------|
| Algeria | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| Algeria | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| Algeria | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| Algeria | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| Algeria | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| Algeria | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| Algeria | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| Algeria | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| Algeria | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |
| Algeria | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 |

ELECTRONIC / PAPER

ANALYSIS



ELECTRONIC / PAPER

Air Navigation Reporting Future



REPORTS

Attributes

ACTIVITY: AIR, ANS, LEG, OPS, PEL

1) STATE: Sample State

2) CITIES: Sample City

4) PROVIDER: Sample Provider

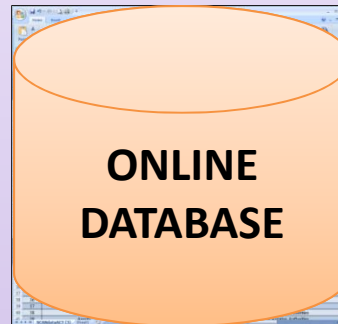
5) FUNDING: Sample Funding

Buttons: Delete, OK

ONLINE

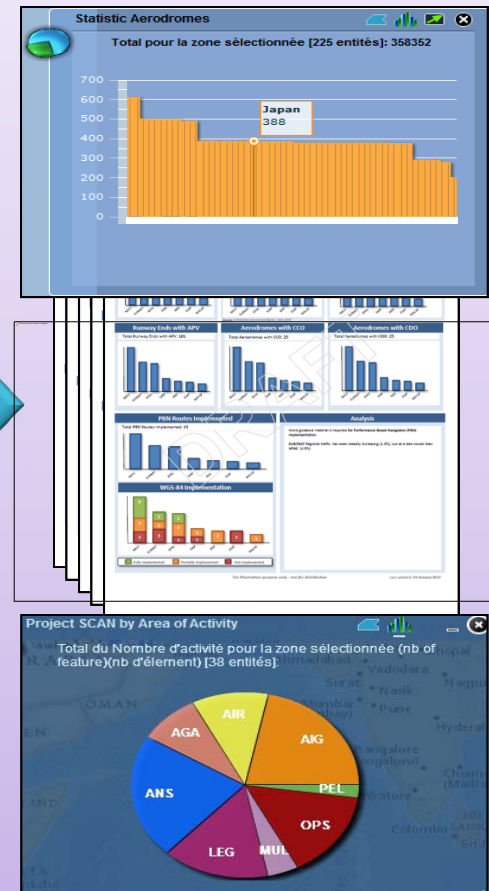
9 July 2013

DATA



ONLINE

ANALYSIS



ONLINE

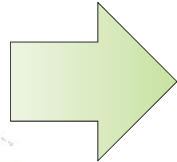
Page 3

Measuring Against the Global Plans

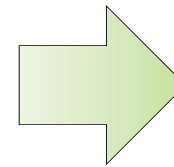
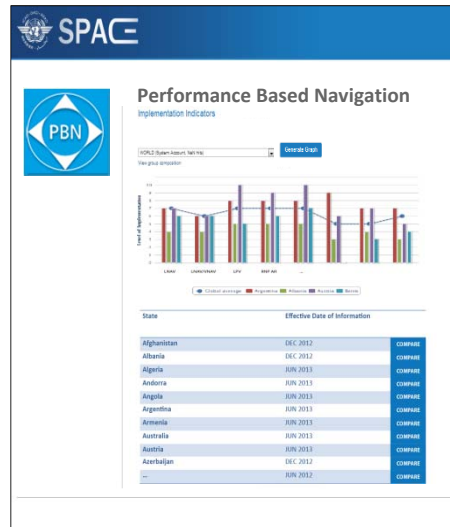
Reporting Mechanism and Tools



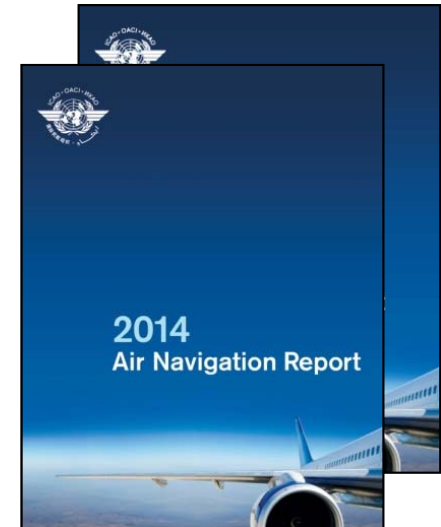
Regional Bodies



Web Portal



Report



- **Visualize** the status of implementation through dynamic and interactive charts
- Provide **feedback** on the data (qualification of the data)
- Perform **self-assessments**, generate ad-hoc **reports** and **export** data
- Provide a venue for data collection towards the **Annual Reports**

Annual Global Air Navigation Report

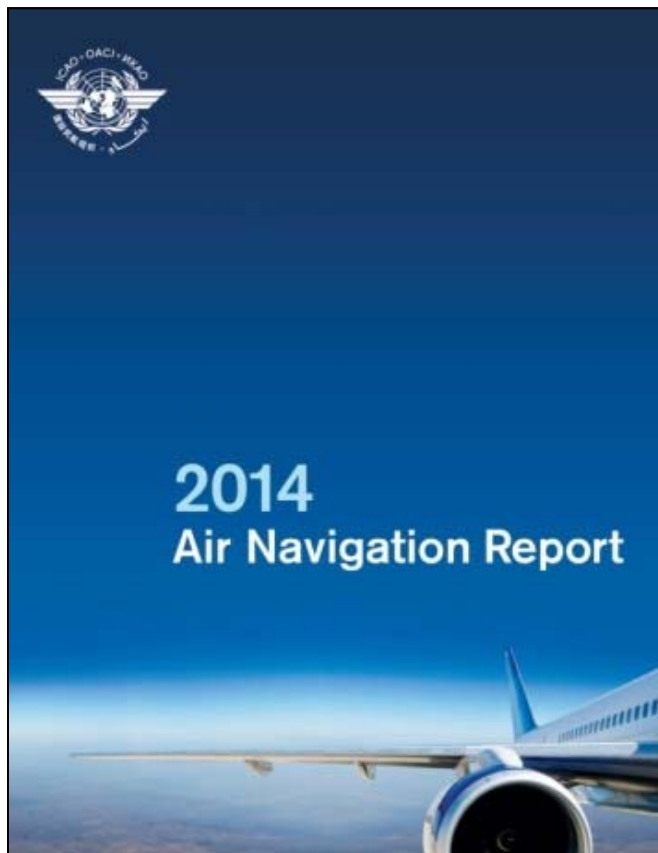
Purpose



- Transparency and sharing of information are fundamental to a safe and efficient global air transportation system.
- Consistent with this principle and much like the existing annual Safety Report, the proposed annual Global Air Navigation Report will assist PIRGs and States in understanding which areas require special attention to effectively improve air navigation performance worldwide . **First Report in April 2014**
- Help propagate information on implementation success stories.
- Provide an opportunity for the civil aviation community to evaluate progress across different ICAO regions.
- Facilitate more effective interregional harmonization planning
- The outcomes of the Report could also help to identify annual tactical adjustment priorities for regional work programmes, as well as informing longer-term policy adjustments.

Annual Global Air Navigation Report

Proposed contents



- global air navigation challenges;
- measuring against those challenges;
- status of operational measures for performance improvement;
- implementation progress of selected priority ASBU Block 0 Modules.
- sharing of successful initiatives and key demonstrations

Annual Global Air Navigation Report

An initial dataset



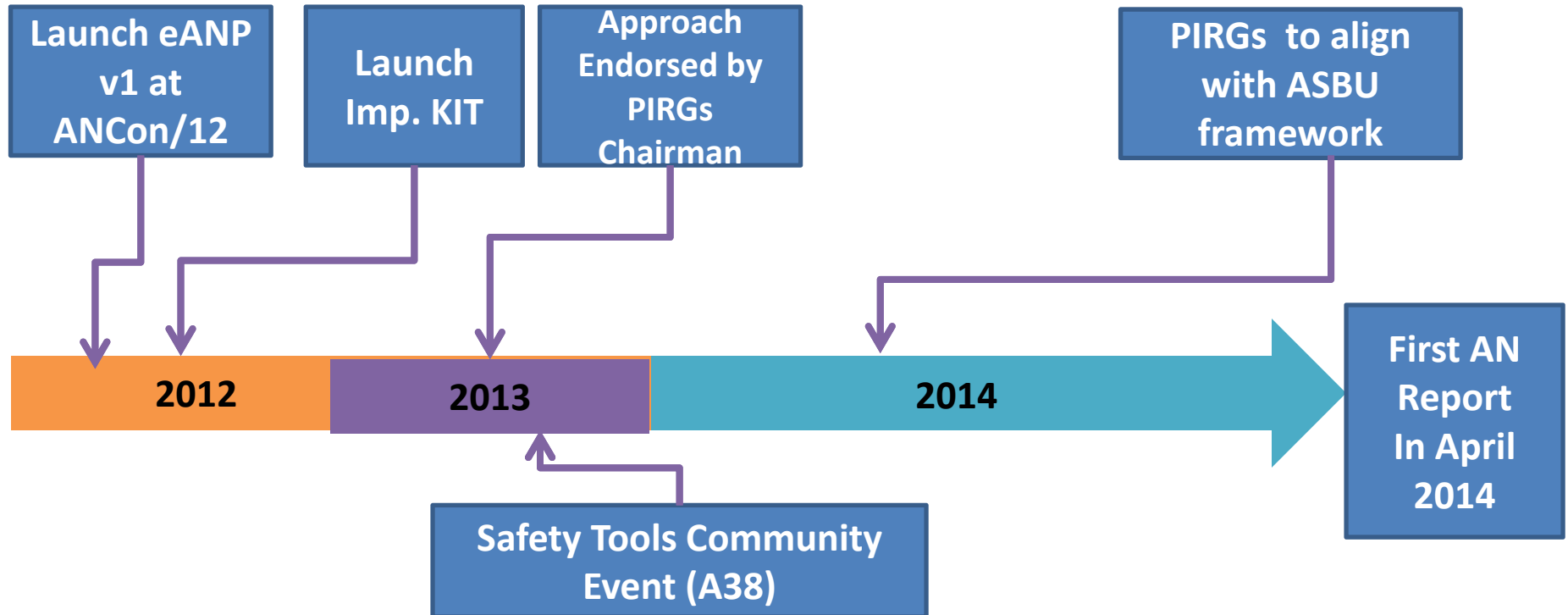
This initial dataset for both Regional Performance Dashboard and the Global Air Navigation Report was recently agreed by the PIRG Chairs in a coordination meeting held on 19 March 2013



- 1. Performance Based Navigation (PBN) - Terminal**
% of international aerodromes with APV
- 2. Performance Based Navigation (PBN) - Enroute**
% of PBN routes/airspace
- 3. Continuous Descent Operations (CDO)**
% of international aerodromes/TMAs with CDO
- 4. Continuous Climb Operations (CCO)**
% of international aerodromes/TMAs with CCO
- 5. Estimated Fuel Savings/ CO2 Emissions Reduction Based on IFSET**
- 6. Air Traffic Flow Management (ATFM)**
% of ATS Units/international aerodromes providing ATFM service
- 7. Aeronautical Information Management (AIM)**
% of needed elements (from AIS to AIM Roadmap) facilitating the transition from AIS to AIM that have been implemented – PHASE I

Annual Global Air Navigation Report

Initial tasks and Roll Out



PIRG-RASG Global Coordination Meeting Objective



- A Planning and Implementation Regional Groups (PIRGs) and Regional Aviation Safety Groups (RASGs) Global Coordination Meeting (GCM) was held in Montreal on 19 March 2013 under the Chairmanship of the President of the ICAO Council.
- The main objective of the meeting was to exchange views on the readiness and ability of the PIRGs and RASGs to set priorities and targets in line with the new versions of the GANP and the Global Aviation Safety Plan (GASP).
- A secondary objective was to share successful initiatives of each of the PIRGs and RASGs to ensure the best possible synergy. The outcome of the meeting includes

PIRG-RASG Global Coordination Meeting Outcome



- Establishing regional priorities and targets for air navigation by May 2014 consistent with the GANP/ASBU framework;
- Need to measure performance improvements to help demonstrate their positive impact on the environment;
- Endorsed regional performance dashboard prototype and determination of an initial set of indicators and metrics for air navigation;
- Confirmation of the need for a coordination mechanism in each region between the RASG and
- PIRG to ensure consistency of action and avoid overlap;
- Encouragement of the sharing of successful initiatives among each other;
- Identification of the need for training to determine priorities for the aviation system block upgrades; and
- agreement on utilizing specific interface groups where required for addressing the harmonization of air navigation plans in adjacent areas of PIRGs.

It was decided to convene the PIRG-RASG global coordination meeting in this format once every two years with the next one planned for spring 2015.



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