

# ENRI International Workshop on ATM/CNS (EIWAC)

#### **Nancy Graham**

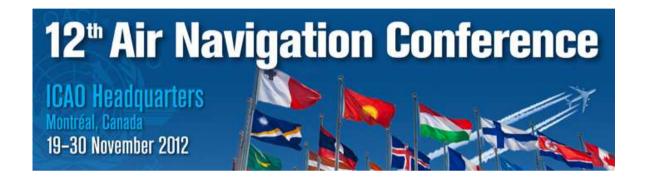
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### The Big Picture

#### Post 12th Air Navigation Conference





• <u>**10</u>** Days</u>

• <u>1,030</u>

**Participants** 

 232 Conference Recommendations • <u>120</u>

States

• 153 Working Papers (WP)

• <u>30</u>

International

**Organizations** 

• 62 Information Papers (IP)

• <u>25</u>+

**Media Articles** 

### The Big Picture

#### Post 12th Air Navigation Conference



#### **Important Developments**

- 4 ICAO Milestones
  - Global Air Navigation Plan (GANP)
  - 2012 Safety Report
  - ASBU Block 0 iKit
  - Air Operator Certificates (AOC) iKIT



#### • 8 Agreements Signed

Time.					
ICAO-FSF MoC	Singapore-MITRE MoU	Singapore-Airbus Prosky MoC	ASECNA - France AFI FPP		
Singapore-FAA Sol	Singapore-SESAR JU MoC	India - MITRE MoU	ASECNA,ICAO, Thales, INEO		



#### Environmental & Operational Assessments

- Committee on Aviation Environmental Protection (CAEP)
  modeling environmental benefits of
  Block 0 modules. More information by the end of 2013
- IATA assessing the operational benefits

#### Technical Work

- Air Navigation Information Management
   (IM) Divisional Meeting (2015)
- Aviation Data Link Symposium:
   Now and Tomorrow (2015)





#### Operational Policies

 Incentives to allow early benefits of new technologies and procedures (including economic incentives)

#### Financing Policies

- On the Agenda of the Air
   Transport Conference (AT Conf/6)
- Expect tasking to service providers, operators and economists







- An end-to-end system demonstration of new air traffic management concepts
- States and Industry are invited to play a part in this event by showing their latest developments and best practices in the field of air traffic management





#### • <u>Intended Outcomes</u>

- International exposure to potential systems and technologies to support Block 0 implementation
- Identification of:
  - Business case benefits of implementing Block 0
  - Economic opportunity cost of not implementing Block 0
- Reinforcement of Block 0 implementation strategies (ASBU iKITS)
- Agreed concept of Operations (CONOPS) for Block 1 to enable the appropriate standards and procedures to be developed
- Demonstration of intended performance scenarios for Blocks 1, 2 and 3



### Standardization Roadmap

#### B0-05, B1-05

<u>B0-05: Improved Flexibility and Efficiency in Descend Profiles (CDOs)</u>
Deployment of performance-based airspace and arrival procedures that allow the aircraft to fly their optimum aircraft profile taking account of airspace and traffic complexity with continuous descent operations (CDOs)

B1-05: Improved Flexibility and Efficiency in Descend Profiles (OPDs)

Deployment of performance-based airspace and arrival procedures that allow aircraft to fly their optimum aircraft profile taking account of airspace and traffic complexity with Optimized Profile Descents (OPDs)

Module #	Standard Title	Date of Availability	Organization	Action	Status
B0-05	DOC 4444 PANS ATM	Already available (2012)	ICAO	N/A	N/A
B1-05	Document 1234	2018	Org#1	Update	Started
B1-05	Document 5678	2018	Org#2	TBD	N/A
B1-05	DOC9931 – Continuous Descent Manual	2018	ICAO	TBD	N/A



## **AN-CONF/12 Recommendation: 6.12**

- Development of SARPs, procedures and guidance material
  - a) Improve its project management and coordination of contributing ICAO panels, study groups and other groups tasked with the development of ICAO provisions



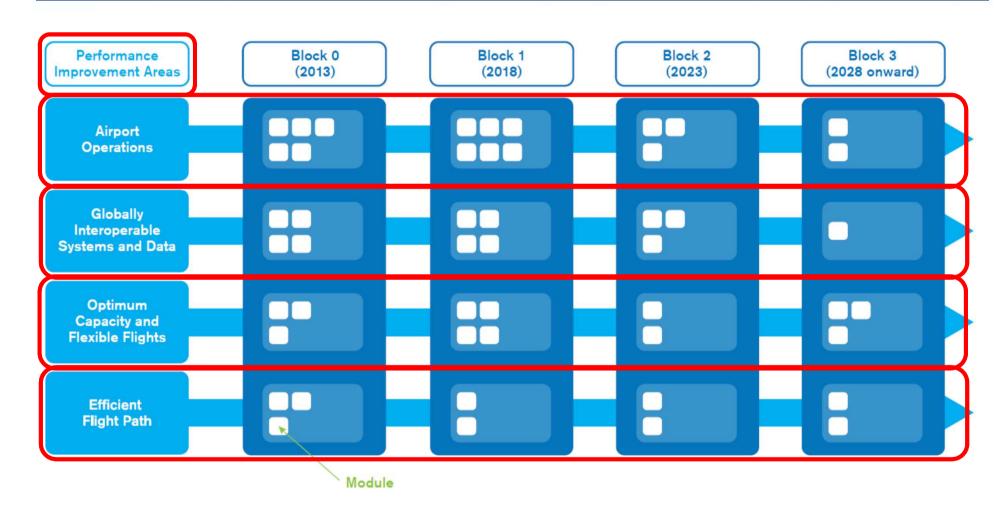




# **BACKUP SLIDES**

# **Operational Improvements** at the Service of States





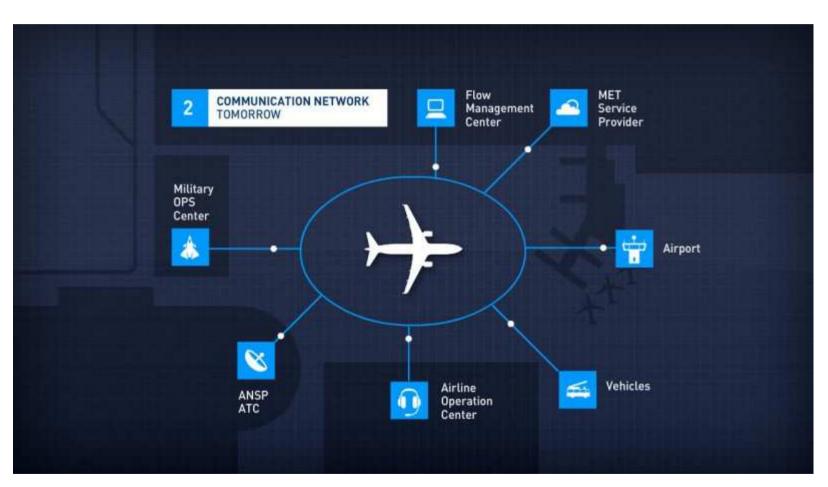
# Making the Most of What We Have Today: *Block 0*





# Defining the Short-term Future: *Block 1*





Courtesy of EUROCONTROL

# Defining the Medium & Long-term Future: *Blocks 2 & 3*

