



Industry Viewpoint – Block 0

Preparations for AN-Conf/12 – ASBU Methodology
Cairo, 30 January 2012



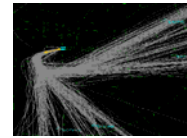
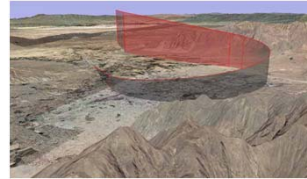
Block 0: Capabilities within our grasp overview

- Improved airport accessibility – using Performance-based Navigation (PBN)
- Improved flexibility and efficiency in descent profiles – Continuous Descent Operations (CDO)
- Improved flexibility and efficiency in departure profiles – Continuous Climb Operations (CCO)

Block 0: Capabilities within our grasp

PBN

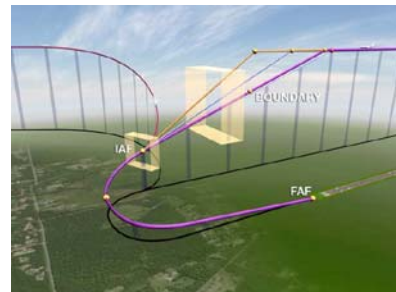
- PBN is **today** and we have to implement **now**:
 - Main enabler for runway safety
 - Increase accessibility of airports
 - Increase of airspace efficiency
 - Environmental solutions (noise and emissions)
- PBN is the key building block for next generation airspace concepts (SESAR, NextGen, CARATS, etc.)



Block 0: Capabilities within our grasp

CDO and CCO

- CDO and CCO provide significant benefits in terms of:
 - Fuel burn reduction
 - Gaseous emissions reduction
 - Noise reduction
- CDO and CCO enabled by Performance-based Navigation





Beyond Planning...

ICAO and its partners are already addressing roll-out of PBN and associated airspace design features such as CDO and CCO.

But assistance and full support from all our aviation stakeholders is needed.



Proposals to the CT Harmonization of Ops Approvals

- **Objective:**
 - Push PBN
- **Current Challenge:**
 - Different ops approval regulatory requirements in major States
- **Proposal:**
 - ICAO offers to host a harmonization meeting in November.
- **Result:**
 - Proposed revised ops approval requirements by January 2012



Proposals to the CT

Need for Agreement on Navspecs for Block 0

- *Objective:*
 - Push PBN
- *Current Challenge:*
 - New PBN Navigation Specifications (navspecs) are required to complement existing navspecs needed for Block 0
 - Different approaches in aviation community on the way forward
- *Proposal:*
 - IATA, CANSO and IFALPA to review need for Advanced RNP, RNP 2 and RNP 0.3 navigation specification by Dec 2011.
- *Result:*
 - Agreement on way forward on navspec complement.



Proposals to the CT

PBN Business Case

- *Objective:*
 - Push PBN
- *Current Challenge:*
 - State business case often do not include all stakeholders
- *Proposal:*
 - ICAO offers to develop a business case template to assist States by Spring 2012.
- *Result:*
 - Template to assist States close a coordinated Business case involving all aviation stakeholders



Proposals to the CT Training

- **Objective:**
 - Push PBN, CDO and CCO
- **Current Challenge:**
 - PBN, CDO and CCO implementation constitutes a paradigm shift. Training not readily available, impediment for implementation.
- **Proposal:**
 - CANSO/IFATCA to develop training package for Controllers (2nd qrt 2012)
 - IATA/IFALPA to develop training package for airline pilots (2nd qrt 2012)
 - IBAC/IAOPA to develop training package for GA (2nd qrt 2012)
 - ICAO/IATA to develop training package for ops approval (2nd qrt/2012)
 - ICAO/IATA to develop training package for airspace design (1st qrt/2012)
- **Result:**
 - Adequate education basis for PBN, CDO and CCO implementation



Proposals to the CT Expedite PBN/CDO/CCO Implementation

- **Objective:**
 - Push PBN, CDO and CCO
- **Current Challenge:**
 - States lack knowledge on how to implement PBN, CDO's and CCO's.
- **Proposal:**
 - ICAO to develop CCO technical guidance material
 - ICAO/IATA Go-Team concept to be adapted to:
 - a) Include State contract for PBN implementation (Dec. 2011)
 - b) Carry-out a sample implementation project per visit (e.g. one arrival) (Feb. 2012)
 - All CT members increase support to the Go-Teams (Now)
- **Result:**
 - Expedition of PBN, CDO's and CCOs implementation

Final remarks

- Capabilities within our grasp. Don't let it slip through your fingers....
- PBN is the key stepping stone and affects all corners. In order to create a sound basis for the future of our air navigation system we all need to contribute, starting **now**.
- So, I request you to:
 - Coordinate within your organizations to establish clear actions
 - Assign POCs to coordinate all efforts with the ICAO PBN programme/ATM Section by the end of this month.

to represent, lead and serve the airline industry

