



International Civil Aviation Organization

**ESAF REGIONAL OFFICE
SPECIAL IMPLEMENTATION PROJECT (SIP)**

**WORKSHOP ON PREPARATIONS FOR AN-CONF/12 – ASBU METHODOLOGY
(NAIROBI, 13-17 AUGUST 2012)**

AGENDA

AGENDA ITEM	Performance Improvement Area (PIA)	Operational Enhancements and Enablers
Agenda Item 1	Strategic Issues	<ul style="list-style-type: none"> ▪ Operational Concept – Global ATM Community Vision ▪ Performance Framework for Efficiency ▪ Aviation System Block Upgrades (ASBU) Methodology – Overview and details of the Modules for ASBU Block 0, Block 1, Block 2 and Block 3 ▪ Global Air Navigation Plan (GANP) – A Framework for Global Planning ▪ Technology Roadmaps – C,N,S, Avionics and IM ▪ ANConf/12 agenda – An Overview
Agenda Item 2	ASBU PIA 1: Airport Operations	<ul style="list-style-type: none"> ▪ Dynamic Wake Turbulence Separation ▪ Airport Collaborative-Decision making (CDM) ▪ ASBU Block 0: Planning and Implementation of 5 Modules
Agenda Item 3	ASBU PIA 2: Globally Interoperable Systems and Data	<ul style="list-style-type: none"> ▪ Aeronautical Information Management(AIM) ▪ Integrated Meteorological Information ▪ Flight and Flow Information for a Collaborative Environment (FF-ICE) ▪ System-Wide Information Management (SWIM) ▪ ASBU Block 0: Planning and Implementation of 3 Modules
Agenda Item 4	ASBU PIA 3: Optimum Capacity and Flexible Flights	<ul style="list-style-type: none"> ▪ Collaborative-Decision Making (CDM) ▪ Remotely-Piloted Aircraft Systems (RPAS) ▪ ASBU Block 0: Planning and Implementation of 7 Modules
Agenda Item 5	ASBU PIA 4: Efficient Flight Path	<ul style="list-style-type: none"> ▪ Trajectory-based operation (TBO) ▪ Continuous Decent Operations (CDO) ▪ Continuous Climb Operations (CCO) ▪ ASBU Block 0: Planning and Implementation of 3 Modules
Agenda Item 6	Implementation Issues	<ul style="list-style-type: none"> ▪ Environment – Measuring benefits of operational improvements through ICAO Fuel Savings Estimation Tool (IFSET) ▪ Economic issues– Formulation of Business Cases ▪ Regional Air Navigation Plan (ANP)- Planning Methodologies and Tools
Agenda Item 7	Hands-on Exercises	<ul style="list-style-type: none"> ▪ Development of Air Navigation Report Forms (ANRFs) for planning and implementation of ASBUs. ▪ Use of IFSET in measuring environmental benefits accrued from operational improvements ▪ Group discussions

Reference Documents:

1. Global Air Traffic Management Operational Concept (ICAO Document 9854);
2. Global Air Navigation Plan (ICAO Document 9750);
3. Manual on Global Performance of the Air Navigation System (ICAO Document 9883);
4. The Air Traffic Management System Requirements (ICAO Doc 9882);
5. Air Navigation Plan — African and Indian Ocean Regions, Volume I — Basic ANP and Volume II — FASID (ICAO Document 7474);
6. Manual on Air Navigation Services (ANS) Economics (ICAO Document 9161);
7. Development of business case for the implementation of CNS/ATM Systems – Guidance Material (available on ICAONET);
8. To download IFSET, go to: <http://www.icao.int/environmental-protection/Pages/Tools.aspx>; and
9. Performance-based Navigation (PBN) Manual (ICAO Doc 9613);

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