



**INTERNATIONAL CIVIL AVIATION ORGANIZATION
EASTERN AND SOUTHERN AFRICAN (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 ▪ ANConf/12 agenda – An overview ▪ Performance Framework for Efficiency ▪ Global Air Navigation Plan (GANP) – Framework for Global planning ▪ Aviation System Block Upgrades (ASBU) Methodology – Overview and details of Modules for ASBU Block 0, Block 1, Block 2 and Block 3 ▪ Technology Roadmaps – CNS, AIM and Avionics |
| Agenda Item 2 | ASBU PIA 1: Greener airports – through improving airport performance | <ul style="list-style-type: none"> ▪ Dynamic wake turbulence separation ▪ Airport Collaborative-decision making (CDM) ▪ Planning and Implementation of ASBU Block 0 Modules |
| Agenda Item 3 | ASBU PIA 2: Interoperability and data – through globally interoperable SWIM | <ul style="list-style-type: none"> ▪ System-Wide Information Management (SWIM) ▪ Flight and Flow Information for a Collaborative Environment (FF-ICE) ▪ Aeronautical Information Management(AIM) ▪ Integrated Meteorological Information ▪ Planning and Implementation of ASBU Block 0 Modules |
| Agenda Item 4 | ASBU PIA 3: Optimum capacity and efficiency – through global collaborative ATM | <ul style="list-style-type: none"> ▪ Collaborative-Decision Making (CDM) ▪ Remotely-Piloted Aircraft Systems (RPAS) ▪ Planning and Implementation of ASBU Block 0 Modules |
| Agenda Item 5 | ASBU PIA 4: Efficient flight paths – through trajectory-based operations | <ul style="list-style-type: none"> ▪ Trajectory-based operation (TBO) ▪ Continuous Decent Operations (CDO) ▪ Continuous Climb Operations (CCO) ▪ Planning and Implementation of ASBU Block 0 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)- Transition to eANP on the basis of ASBU methodology |
| Agenda Item 7 | Hands-on exercises | <ul style="list-style-type: none"> ▪ Development of Air Navigation Report Forms (ANRFs) using ASBU methodology for regional/national planning ▪ 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); and
8. Performance-based Navigation (PBN) Manual (ICAO Doc 9613);

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