



Outlook on ICAO Guidance Material

2016

- Doc ()

Description of Amendments

Develop and coordinate, through State review and Council approval, an ICAO Position on the various items on the agenda of ITU WRC-15.

Develop technical analyses and other input material for meetings of the ITU Radiocommunication Sector (ITU-R) to assist with their WRC preparatory studies.

Doc - Untitled / ICAO and member states pursue this matter (VSAT) in the ITU-R and during WTRC-15, to prevent any international mobile telecommunications spectrum allocation that compromises the availability of the aeronautical very small aperture terminal networks.

Assist ICAO Secretariat to conduct frequency spectrum workshops in the ICAO Regions

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Description of Amendments

Develop amended USOAP Protocol Questions on IFP Design

Update other documents as required based on specification updates

Advanced Surface Movement Guidance and Control Systems Manual - Doc (9830)

Description of Amendments

Guidance on provisions to support low visibility operations.

Aerodrome Design Manual, Part 2 - Taxiways, Aprons and Holding Bays - Doc (9157.2)

Description of Amendments

Guidance related to risk-based approach to facilitate operations of types/derivatives of aircraft.

Aerodrome Design Manual, Part 4 - Visual Aids - Doc (9157.4)

Description of Amendments

PAPI harmonization with ILS, movement of VASI when penetration of OPS.

Obstacles lighting and marking.

Aerodrome Design Manual, Part 5 - Electrical Systems - Doc (9157.5)

Description of Amendments

Complete revision of 1983 Manual

Aeronautical Chart Manual - Doc (8697)

Description of Amendments

Charting of PBN routes including accuracy value

PBN connecting with XLS final approach and APV
Procedure criteria for PinS approach departure route visual segment missed approach

Procedure design criteria on LP/Baro-VNAV.

Guidance on IFP for Helicopter PBN operations

Harmonization of Charting Criteria, Databases of Criteria, and Avionics Systems with IFP Design

Aeronautical Information Services Manual - Doc (8126)

Description of Amendments

Harmonization of Charting Criteria, Databases of Criteria, and Avionics Systems with IFP Design

Aeronautical Surveillance Manual (Doc 9924) - Doc (9924)

Description of Amendments

Develop guidance material on flight testing of new surveillance systems.

Air Traffic Services Planning Manual - Doc (9426)

Description of Amendments

Guidance on establishing and operating ATS units (Complete review and update according to current ATM).

If necessary, proposal for amendment to ATS Planning Manual (Doc 9426)

Aircraft Performance Manual - Doc (####)

Description of Amendments

Guidance on dispatch and in-flight a/c runway performance calculations

Airport Services Manual, Part 1 - Rescue and Fire Fighting - Doc (9137.1)

Description of Amendments

Update methods and technologies to enhance efficiency of RFFS

Airport Services Manual, Part 7 - Airport Emergency Planning - Doc (9137.7)

Description of Amendments

Enhanced and revised guidance on sector-specific emergency response plan provisions (e.g. pandemic planning)

Airport Services Manual, Part 8 - Airport Operational Services - Doc (9137.8)

Description of Amendments

Guidance on FOD

Airworthiness Manual - Doc (9760)

Description of Amendments

Change ETOPS to EDTO and maintenance procedures

Area Navigation (RNAV) to Required Navigation Performance (RNP) Instrument Approach Chart Depiction - Doc (336)

Description of Amendments

PBN charting information box and identification consistency.

Guidance on PBN approach charting

Assessment report on Rationalisation of Terrestrial Navigation Aids - Doc (####)

Description of Amendments

Assessment report on the potential impact of rationalization on operations by general aviation and air carriers with smaller aircraft (DME-DME availability and inertial technology) to be published on ICAO PBN website

ATCO Training Manual - Doc (####)

Description of Amendments

Develop guidance on the implementation of competency-based training of ATCOs

Circular in Approach Classification - Doc (####)

Description of Amendments

Explanatory information on approach classification

Circular on Aircraft Air Supply System Fumes - Doc (####)

Description of Amendments

Guidelines for education and training to enable airline workers to recognize and respond to aircraft air supply system fumes

Circular on Minimum cabin crew requirements on board passenger aircraft to enable proper management of safety and emergency situations - Doc (####)

Description of Amendments

Guidelines for the establishment of the minimum number of cabin crew required for each type of aeroplane by operators
Guidance on persons that are authorized to occupy a jump seat on board passenger aircraft, to ensure cabin crew can conduct an emergency evacuation, when required and on the definition of operating and non-operating cabin crew. Include recommendation on limiting crew duties to safety-related during taxi

Circular on Passenger seating & briefing - Doc (####)

Description of Amendments

Guidance on the occupancy of self-help exits, requirements for passengers including language proficiency, and content of self-help exit briefings
Guidance on harmonizing content of passenger safety briefing cards and self-help exit placards, including use of pictograms

Circular on Safety of infants on board passenger aircraft - Doc (####)

Description of Amendments

Guidance on the safety of infants on board passenger aircraft and the use of child restraining systems

Civil/Military Cooperation in Air Traffic Management - Doc (330)

Description of Amendments

Guidance on cooperation on ATM between civil and military entities (Improve the contents of Cir.330 and upgrade it to ICAO Manual).

Collision Risk Model - Doc (####)

Description of Amendments

Precision Approach procedure Collision Risk Model tool update

Dangerous Goods Supplement to Technical Instructions - Doc (9284SU)

Description of Amendments

Guidance for States on dangerous goods considerations when issuing approvals.

Biennial harmonization of dangerous goods regulations with all modes of transport while addressing air-specific needs

Electronic Flight Bags - Doc (####)

Description of Amendments

Guidance on EFB approval process.

Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods - Doc (9481)

Description of Amendments

Biennial harmonization of dangerous goods regulations with all modes of transport while addressing air-specific needs

EUR and NAT Regional Supplementary Procedures - Doc (7030)

Description of Amendments

Maintenance of Regional Supplementary Procedures (SUPP) to facilitate the regional implementation

Fatigue Management Guidance Manual for General Aviation Operators - Doc (####)

Description of Amendments

Develop guidance for GA operators in the management of fatigue in pilots of large and turbojet aeroplanes

Fatigue Risk Management Guide for Operators - Doc (####)

Description of Amendments

Revise to update current contents and include implementation of prescriptive FM approach by airline operators for flight and cabin crew

Flight Data Analysis Programme Manual - Doc (10000)

Description of Amendments

New guidance material on Flight Data Analysis

Enhance the guidance with current best practices

Flight Planning and Fuel Management Manual - Doc (9976)

Description of Amendments

Guidance for new flight planning and fuel management provisions

Guidance on flight planning for EDTO including critical fuel scenarios.

FRMS - Fatigue Risk Management System. Manual for Regulators - Doc (9966)

Description of Amendments

Revise to update current contents and include oversight of prescriptive FM approaches for Airline Operators

Revise to include oversight of FM approaches for GA Operators of Large and Turbojet Aeroplanes

Revise to include oversight of FM approaches for ATCs

Global Air Navigation Plan - Doc (9750)

Description of Amendments

Standardization roadmap to be provided to States

Revision process for maintenance of GANP and update to the GANP module descriptions

Prioritized technical work programme based on GANP

Update to performance improvement areas and ASBU module description, as required

Improved linkage between GASP and GANP

Draft proposal for the next edition of GANP

Updated SURF ASBU block 0 and 1 sections including the SARPs to be delivered

Updated technology roadmap(s) with the operational thread(s) or technology roadmap(s) when applicable, in particular the Avionics Roadmap.

Review and indicate potential concerns on ASBU module AMET or related Technical enabler objectives and timelines

Review and update/amend the module AMET description for Block 0 and 1, including the SARPs to be delivered.

Review and update the operational thread(s) or technology roadmap(s) when applicable.

Global Aviation Safety Plan - Doc (10004)

Description of Amendments

Process to receive and address recommendations from States and international organizations for amending the GASP

Safety roadmaps to assist GASP in support of the GASP

Update to safety objectives and enablers, as required

Improved linkage between GASP and GANP

Draft proposal for the next edition of GASP

Global Navigation Satellite System (GNSS) Manual - Doc (9849)

Description of Amendments

Amendment providing information on malicious threats and impact of space weather and their mitigation

Develop guidance on the detection, reporting and resolution of GNSS RFI. GNSS Manual (Doc 9849)

Develop guidance on space weather effects on GNSS. GNSS Manual (Doc 9849)

Global Operational Data link (GOLD) Document - Doc (10037)

Description of Amendments

Guidance on the use of DLIC, CPDLC and ADS-C (upgrade regional document into a global manual)

Guidance Material on Rationalisation of Terrestrial Navigation Aids - Doc (####)

Description of Amendments

Guidance material on rationalization of terrestrial navigation aids

Guidelines for implementation of GNSS longitudinal separation minima - Doc (321)

Description of Amendments

Information on GNSS longitudinal separation minima.

Guidelines for Lateral Separation of Arriving and Departing Aircraft on Published Adjacent Instrument Flight Procedures - Doc (324)

Description of Amendments

Guidelines for Lateral Separation of Arriving and Departing Aircraft on Published Adjacent Instrument Flight Procedures (Circ 324)

Guidelines for the implementation for lateral separation minima - Doc (334)

Description of Amendments

Lateral separation minima for RNAV 10, RNP 4 and RNP 2

Handbook on Radio Frequency Spectrum Requirements for Civil Aviation - Doc (9718)

Description of Amendments

Develop guidance on the detection, reporting and resolution of GNSS RFI .ICAO RF Handbook (Doc 9718)

Handbook on the International Airways Volcano Watch (IAVW) - Doc (9766)

Description of Amendments

Provision of information on sulphur dioxide and other hazardous gases in the atmosphere. Handbook on the International Airways Volcano Watch (IAVW): Operational Procedures

Hazards at Aircraft Accident Sites (Circ 315) - Doc (315)

Description of Amendments

Discuss and propose occupational hazard protection for investigators during on-site work involving undeployed rocket-assisted emergency parachute systems

Develop guidelines for investigations in hostile environments

Heliport Manual - Doc (9261)

Description of Amendments

Guidance related to certification and safety management

IAMSAR Manual - Doc (####)

Description of Amendments

Revision to IAMSAR Manual

ICAO Cabin Crew Safety Training Manual - Doc (10002)

Description of Amendments

Guidance for States and Operators in developing and approving Cabin crew Competency-based training

Implementation of FM Approaches: A Guide for Air Traffic Service Providers - Doc (####)

Description of Amendments

Develop guidance for ANSPs in the implementation of FM approaches for ATCs

In-Trail Procedures Circular - Doc (325)

Description of Amendments

General description of ITP

Manual on the Implementation of Safety Assessment associated with Instrument Flight Procedure Design - Doc (####)

Description of Amendments

Guidance on Responsibility of States regarding implementation of Flight Procedures

Manual of Aircraft Accident and Incident Investigation - Investigation - Part III - Doc (9756.3)

Description of Amendments

Assess the use and cost-benefit of emerging technologies to assist investigations (e.g. smartphone technology for recording flight data, GPS positioning and site survey, electronic tablets, 3D scanning and UAS-assisted recording of accident sites).

Manual of Aircraft Accident and Incident Investigation - Organization and Planning - Part I - Doc (9756.1)

Description of Amendments

Revise and update accident and incident investigation guidance material

Manual of Aircraft Ground De-Icing/Anti-Icing Operations - Doc (9640)

Description of Amendments

Guidance on the use of phraseology (scripts) and procedures for de-icing ground and flight crews.

Manual of All-Weather Operations - Doc (9365)

Description of Amendments

Guidance on provisions to support low visibility operations.

Next Steps for Continuous Descent Final Approach Operations (CDFA) Provisions

Manual of Civil Aviation Medicine - Doc (8984)

Description of Amendments

Update and enhance guidance on provisions to increase the emphasis on health promotion, and on the application of safety management principles in the medical assessment process

Manual of Criteria for the Qualification of Flight Simulation Training Devices - Doc (9625)

Description of Amendments

Amendment resulting from UPRT provisions and regular update

Manual of Operating Procedures and Practices for Regional Monitoring Agencies in Relation to the Use of a 300 m (1 000 ft) Vertical Separation Minimum above FL 290 - Doc (9937)

Description of Amendments

Revision to Manual 9937 related to vertical collision risk

Manual of Procedures for Establishment and Management of a State's Personnel Licensing System - Doc (9379)

Description of Amendments

Guidance on new Annex 1 SARPS related with UPRT and RPA

Manual of Procedures for Operations Inspection, Certification and Continued Surveillance - Doc (8335)

Description of Amendments

Amendment resulting from Annex 6 new/updated provisions (e.g. EDTO, fuel, vision systems, efb, etc.)

Manual on Aeroplane Upset Prevention and Recovery Training - Doc (10011)

Description of Amendments

Amendment resulting from UPRT / LOC-I Symposium return of experience

New Manual on UPRT

Manual on Airborne Surveillance Applications - Doc (9994)

Description of Amendments

Initial guidance to support surface operations using ADS-B for ATC and Pilots.

Initial guidance to support interval management for flight crew and ATS units.

Guidance to support ITP

Manual on Airport Surface Datalink - Doc (####)

Description of Amendments

First Edition

Manual on Capturing lessons learned from accidents and incidents, specific to cabin aspects - Doc (####)

Description of Amendments

Guidance on the investigation and reporting of cabin safety aspects in accidents and incidents

Manual on Certification of Aerodromes - Doc (9774)

Description of Amendments

Updated guidance related to aerodrome certification

Manual on Collaborative Air Traffic Flow Management Part 2 - Doc (9971)

Description of Amendments

Guidance on implementation of ATFM.

Manual on Collaborative Air Traffic Flow Management Part 3 - Doc (9971)

Description of Amendments

Airport CDM guidance material.

Manual on Evidence-Based Training - Doc (9995)

Description of Amendments

Amendment resulting from EBT implementation return of experience

Manual on Flight and Flow — Information for a Collaborative Environment (FF-ICE) - Doc (9965)

Description of Amendments

Guidance on information elements for flight and flow.

Manual on Mission-Specific Training for Helicopter Pilots - Doc (####)

Description of Amendments

New manual with guidance on mission-specific training for helicopter pilots

Manual on Required Communication Performance (RCP) - Doc (9869)

Description of Amendments

Guidance on performance-based communication and surveillance

Manual on Simultaneous Operations on Parallel or Near-Parallel Instrument Runways (SOIR) - Doc (9643)

Description of Amendments

Procedures for application of GLS parallel approaches

Manual on System Wide Information Management (SWIM) Concept - Doc (10039)

Description of Amendments

First Edition

Manual on the Aeronautical Mobile Satellite (Route) Service - Doc (9925)

Description of Amendments

New section to accommodate SWIFT broadband system.

Manual on the Aeronautical Telecommunication Network (ATN) using Internet Protocol Suite (IPS) Standards and Protocols - Doc (9896)

Description of Amendments

Second Amendment providing information updates provisions for voice and other services

Manual on the Approval of Training Organizations - Doc (9841)

Description of Amendments

Amend guidance for new PANS-TRG provisions (eg. ATC new CBT procedures)

Manual on the Digital Exchange of Aeronautical Meteorological Information - Doc (10003)

Description of Amendments

Manual on the digital exchange of information (Doc 10003). Guidance on the digital exchange of meteorological information

Manual on the establishment of a Flight Procedure Design Regulatory Oversight Framework - Doc (####)

Description of Amendments

Guidance on Responsibility of States regarding implementation of Flight Procedures

Manual on VHF Digital Link (VDL) Mode 2 - Doc (9776)

Description of Amendments

Amendment to support multi-frequency operations

Manual on Volcanic Ash, Radioactive Material, and Toxic Chemical Clouds - Doc (9691)

Description of Amendments

Provision of information on sulphur dioxide and other hazardous gases in the atmosphere.

Guidance material for general aviation operations in volcanic ash

Performance-based Navigation (PBN) Manual - Doc (9613)

Description of Amendments

Addition of new navigation specifications (RNP 2 and Advanced RNP)
Examples of route spacing requirements

Guidance to embed PBN into traditional operations.

Update specifications in line with recent updates to MASPS and MOPS

Performance-Based Navigation (PBN) Operational Approval Manual - Doc (9997)

Description of Amendments

OPS approval guidance for RNP 2, RNP 0.3 and Advanced RNP.

Guidance on operator approval for PBN including job aids (RNP 2 and Advanced RNP)

Guidance to embed PBN into traditional operations.

Regulator's guide to Cabin Crew Safety Training (Approval and surveillance of competency-based training, ICAO Manual) - Doc (####)

Description of Amendments

Regulator's guide to Cabin Crew Safety Training. Include guidance for the establishment of State cabin safety inspector competencies and qualifications

Related to specific job performance - Doc (TRN)

Description of Amendments

Training Package (ATFM). ATC, air operators and pilots

Training on A-CDM

Training Package (Airport Guidance Systems). Training Package on Airport Guidance Systems

Training Needs Analysis. Training Needs Analysis Required

Training Needs Analysis. Training needs analysis required

Training Package (Aircraft Fuel State). CBT and Classroom training

Training Package All-Weather Ops). CBT

Training Package (PBN RNP AR and OEI). Update to existing CBT and Classroom training for RNP AR and OEI

Training Package (ACDM). Training package for aerodrome operators, air operators, ATC and Pilots on ACDM

Training Package (ATFM). Training package for ATC, air operators and pilots on ATFM

Training Package (ATFM). Training on implementation of ATFM service and measures for ANSPs and Air Operators

Training Package (In-Trail Procedures). Training on the application of ITP and related CPDLC Message Sets.

Training Package (EDTO). CBT covering- basic training for EDTO including critical fuel scenarios (flt crew/air ops); implementing ICAO standards into national regulations (State Regulators); operational approvals (for state inspectors/air operators)

Training Package (PBN RTA). Update of PBN CBT and classroom on providing on RTA ops.

Training Package (Interval Management Procedures). Training package on separation standards and phraseology for interval management

Training Package (Fixed Radius Transition turns). CBT providing basic PBN training on FRT Airspace Design

Training Package (LOC-I). Training to mitigate LOC-I

Training Package (Datalink Procedures). CBT and/or workshops on datalink procedures

Training Package (ELSO). CBT on ELSO

Training Package (Wake Turbulence). CBT or regional workshops to rollout procedures for new wake turbulence categories

Training Package (Flight/Flow). CBT on Flight and Flow Information

Training Package (PBN Parallel Runway Operations). CBT on PBN parallel runway ops

Training Package All-Weather Ops). CBT on all-weather operations

CBT and Classroom training on PBN Ops Approval

Training Package (PBN Airspace Design). CBT on PBN Airspace Design

Training Package (PBN Airspace Design). CBT on PBN Airspace Design to include CDO concepts

Training Package (PBN Airspace Design). Update CBT on PBN Airspace Design to include CCO

Training Package (PBN RTA). Update existing CBT and Classroom training to include RTA

Description of Amendments
Training Package (Interval Management Procedures). Training package on separation standards and phraseology for interval management
Training Package (RPAS). CBT and Classroom training on the family of RPAS SARPS
Training Package (RPAS). Guidance on RPAS Approvals and Operations
Training Package (Flight/Flow). CBT and Classroom on FF-ICA
Update to include RNP 0.3, RNP APCH and Advanced RNP
Training Package (PBN Overview). Update to include Visual procedures utilizing PBN
Training Package (PBN RNP AR and OEI). Update of existing PBN CBT and classroom material for RNP AR and OEI
Training Package (Safety Management). Updates
Training Package (AIS). CBT and Classroom training on AIS-AIM provisions
IFR Training Manual. Initial manual with material on PBN
Training Package (GOLD, PBCS, SVGM). CBT and/or workshops
Training Package (AVSEC). Training on management of unruly passengers
Training Needs Analysis. Training Needs Analysis required
Training Course (Trainers of Cabin Crew). Training course for Training Instructors to deliver competency-based training for cabin crew (Train the Trainer)
Training Course (Trainers of Cabin Crew). Training course for the implementation of competency-based training for cabin crew
Training to be defined
Training to be defined

Report on Alternative Position, Navigation and Timing (APNT) - Doc (####)

Description of Amendments
Report on Alternative Position Navigation and Timing (APNT)

Required Navigation Performance Authorization Required (RNP AR) Procedure Design Manual - Doc (9905)

Description of Amendments
Update FAS Calculator
Update existing mathematical equations
Requirements for RF Display for missed approach

Safety Management Manual - Doc (9859)

Description of Amendments

Hazard identification and Risk Assessment process; tools to assess the service provider's SMS

Guidance material to support the improved collection analysis exchange and protection of safety data and safety information

Guidance for safety management activities pertaining to functions and services related to, or in direct support of the safe operation of aircraft

Criteria for common SMS acceptance; consistent use of "responsibility" and "accountability"; mechanisms to improve the SMS performance of service providers

Guidance for: the integrated SSP framework; pre-requisites for SSP implementation; Delegation of SSP functions; Further development of a risk-based oversight; Safety management of States' own activities; concept of safety culture

Satellite Voice Guidance Material (SVGGM) Document - Doc (10038)

Description of Amendments

Guidance on the use of SATCOM voice.

Technical Instructions for the Safe Transport of Dangerous Goods by Air - Doc (9284)

Description of Amendments

Clarification of DG training requirements.

Biennial harmonization of dangerous goods regulations with all modes of transport while addressing air-specific needs

Training Guidelines for Aircraft Accident Investigators (Circ 298) - Doc (298)

Description of Amendments

Develop guidelines for the implementation of evidence-based training for investigators

Training Manual - Doc (7192)

Description of Amendments

Update Part E-2- Air Traffic Safety Electronic Personnel (ATSEP) to include guidance on the implementation of competency-based training of ATSEPs

Working Arrangements between the International Civil Aviation Organization and the World Meteorological Organization - Doc (7475)

Description of Amendments

Update of Working arrangements between ICAO and WMO

- Doc ()

Description of Amendments

Assist ICAO Secretariat to conduct frequency spectrum workshops in the ICAO Regions

Data Collection of track keeping performance (request to States)

Analyse track keeping performance data

Manual on implementation of FF-ICE

Update related guidance material to support the use/integration of aeronautical meteorological information in trajectory-based operations.

Develop criteria necessary for ICAO Regions to select advisory centres

Finalize the concept of operations for Space Weather Information Services and associated roadmap

- Doc ()

Description of Amendments

Develop PBN Strategy document

Investigate mixed mode route spacing options

Develop guidance material on the use of mixed mode operations

Advanced Collision Risk Model - Doc (####)

Description of Amendments

Precision Approach Procedure Collision
Risk Model tool update

Advanced Surface Movement Guidance and Control Systems Manual - Doc (9830)

Description of Amendments

Guidance on the harmonization of low visibility/surface movement guidance.

Aerodrome Design Manual, Part 1 - Runways - Doc (9157.1)

Description of Amendments

Updated guidance for design specification for arresting system and acceptance by States

Aerodrome Design Manual, Part 3 - Pavements - Doc (9157.3)

Description of Amendments

Guidance material on pavement overloading, revised ACN/PCN pavement reporting system, provisions concerning effects of magnetic anomalies.

Updated guidance for GRF

Aerodrome Design Manual, Part 4 - Visual Aids - Doc (9157.4)

Description of Amendments

Updated guidance for RGL, A-SMGCS, taxiway naming conventions

Updated guidance on LED.

Updated guidance after review of visual aids

Aeronautical Chart Manual - Doc (8697)

Description of Amendments

Visual procedures utilizing PBN

Portrayal of altitudes on terminal charting

Development of RNAV arrival and Departure Charts for "data detail requirements" and amend chart manual

Develop depiction standards for visually guided approaches

Aeronautical Information Services Manual - Doc (8126)

Description of Amendments

Guidance to support PANS-AIM

Aeronautical Surveillance Manual (Doc 9924) - Doc (9924)

Description of Amendments

Develop provisions to eliminate or reduce to an acceptable level the interference affecting 1030/1090 MHz based surveillance systems

Update Doc 9924 relating to surveillance and collision avoidance systems in light of operational experience"

Airborne Collision Avoidance System (ACAS) Manual (Doc 9863) - Doc (9863)

Description of Amendments

Guidance on dealing with false aircraft proximity alerts.

Update Doc 9863 relating to surveillance and collision avoidance systems in light of operational experience

Airport Planning Manual, Part 1 - Master Planning - Doc (9184.1)

Description of Amendments

Update of Doc 9184 to include up-to-date airport planning tools and techniques

Airport Services Manual, Part 2 - Pavement Surface Conditions - Doc (9137.2)

Description of Amendments

Complete revision for global reporting format

Airport Services Manual, Part 6 - Control of Obstacles - Doc (9137.6)

Description of Amendments

Major rewrite of the chapter on Obstacles

Airport Services Manual, Part 8 - Airport Operational Services - Doc (9137.8)

Description of Amendments

Guidance for standardization of ground handling.

Airworthiness Manual - Doc (9760)

Description of Amendments

Guidance on AMO Approvals.

Guidance on the concept of proportionality with respect to type certification and production approvals for small aeroplanes.

Proposed amendment to Airworthiness Manual (Doc 9760)

Guidance on Suspension or revocation of type certificates.

Guidance on the impact on a certificate of airworthiness when a type Certificate is suspended or revoked by the State of Design (Or guidance material as recommended by Panel. See element AIR Manual Doc 9760 in this element SANRI-2-2016-5).

Develop provisions for the State of Design to notify other Contracting States in cases of transfer of the Type Certificate to a different holder

Develop guidance material on the "probability descriptor"

Establish the applicability of Annex 8, Part IIIB to single engine aeroplane over 5700 kg single engine aeroplane over 5700 kg

Address changes to the stall warning requirements in Annex 8, Part IVB

Establish the applicability of weight limitation for all

Develop provisions for the transmission State of Design and handling by State of Registry of Security Sensitive Airworthiness Information if this action is determined to correct an unsafe condition and comply with the applicable airworthiness requirements

Develop provisions for electronic aircraft maintenance records

Circular on technology for runway safety (visual aids) - Doc (####)

Description of Amendments

Circular in technology for runway safety (visual aids) (Or provisions as recommended by Panel. See element PANS-OPS in this element)

Electronic Flight Bags - Doc (####)

Description of Amendments

New guidance on EFBS including moving maps at aerodromes.

Feasibility Study - Doc ()

Description of Amendments

Investigation of feasibility of GBAS supporting Terminal Area Operations

Develop a concept of operations that clearly describes the operational criteria for visual guided approaches

Examine worldwide guidelines on visible/discernible ash detection and harmonize them into a useful tool for flight crew use

Examine Annex 6 III and determine how provisions that would strengthen the proper carriage of dangerous goods could be incorporated

Review Annex 6, Parts I, II, III for references to Category definitions and assess the removal of visibility requirements on the Category IIIA, IIIB, IIIC definition.

Conduct a helicopter specific gap analysis of the current MAWO

Develop from a FLTOPSP perspective, into a CONOPS paper that identifies the key elements of charting, which if misunderstood or misinterpreted, have the greatest potential to undermine the global implementation of new PANS-ATM provisions.

Flight Safety and Volcanic Ash (Doc 9974) - Doc (9974)

Description of Amendments

Develop guidance on relevant SRA information to Flight Crews for Pre-flight/Inflight planning purposes

FRMS - Fatigue Risk Management System. Manual for Regulators - Doc (9966)

Description of Amendments

Revise to include oversight of FM approaches for Aviation Maintenance Engineers

Global Air Navigation Plan - Doc (9750)

Description of Amendments

Update related guidance material to support the implementation of Annex 3 Amendment.

Global Navigation Satellite System (GNSS) Manual - Doc (9849)

Description of Amendments

Update to allow SBAS support via multiple constellations and frequencies

Update of manual to cover GBAS use as a landing aid under Cat II/III

Update to allow GBAS support via multiple constellations and frequencies

Develop an operational concept for ARAIM

Maintenance of GNSS Manual (Doc 9849)

Global Operational Data link (GOLD) Document - Doc (10037)

Description of Amendments

Update to align with the 2016 amendments to Annexes and PANS-ATM and include functional Baseline 2 services

Guidance on protocols or agreements between accident investigation authorities and judicial authorities - Doc (####)

Description of Amendments

Develop guidance on the establishment of protocols or agreements between accident investigation and judicial authorities

Handbook on Radio Frequency Spectrum Requirements for Civil Aviation - Doc (9718)

Description of Amendments

Maintenance and update of the ICAO frequency spectrum strategy and policy.

Improve Frequency Assignment Planning criteria for the frequency band 117.975 - 137MHz.

Handbook on the International Airways Volcano Watch (IAVW) - Doc (9766)

Description of Amendments

Update related guidance material to support the implementation of Annex 3 Amendment.

Heliport Manual - Doc (9261)

Description of Amendments

Updated guidance on lights, markings and airway width

Guidance material on penetration of OLS

Comprehensive update of the 1995 manual, dividing it into two sections to address separately onshore and offshore heliports

IFR Training Manual - Doc (####)

Description of Amendments

Guidance to embed PBN into traditional operations.

Implementation of FM Approaches: A Guide for Aircraft Maintenance for Organizations - Doc (####)

Description of Amendments

Develop guidance for AMOs in the implementation of FM approaches for AMEs

Manual for maintenance of Flight Recorders - Doc (####)

Description of Amendments

New guidance material on maintenance of flight recorders

Manual of Aeronautical Meteorological Practice - Doc (8896)

Description of Amendments

Update related guidance material to support the implementation of Annex 3 Amendment.

Update related guidance material to support the implementation of Annex 3 Amendments

Update related guidance material to support the implementation of Annex 3 Amendment.

Manual of Air Traffic Services Data Link Applications - Doc (9694)

Description of Amendments

Update AIDC section to reflect current implementation of character-based messaging for electronic coordination and Delete air-ground applications section as it has been superseded by GOLD Manual (Doc 10037)

Manual of Aircraft Accident and Incident Investigation - Organization and Planning - Part I - Doc (9756.1)

Description of Amendments

Update guidance material for the investigation of serious incidents to be included in the next revision of Doc 9756

Manual of Aircraft Accident and Incident Investigation - Reporting - Part VI - Doc (9756.4)

Description of Amendments

Discuss and propose guidance for the classification "destroyed" related to damages sustained by an aircraft in an accident.

Manual of All-Weather Operations - Doc (9365)

Description of Amendments

Guidance and symbology on charts for low visibility

Helicopter specific guidance to fill identified MAWO gaps

Basic vs advanced aircraft definitions/descriptions

Guidance on equipment requirements in MAWO

Manual of Civil Aviation Medicine - Doc (8984)

Description of Amendments

Update based on revised competency-related definitions

Manual of Criteria for the Qualification of Flight Simulation Training Devices - Doc (9625)

Description of Amendments

Update based on revised competency-related definitions

Manual of Procedures for Operations Inspection, Certification and Continued Surveillance - Doc (8335)

Description of Amendments

Use of terms such as authorization approval and acceptance provisions

Manual of Surface Movement Guidance and Control Systems - Doc (9476)

Description of Amendments

Guidance on provisions to support low visibility operations

Manual on Aeroplane Upset Prevention and Recovery Training - Doc (10011)

Description of Amendments

Update based on revised competency-related definitions

Manual on Air Navigation Services Economics - Doc (9161)

Description of Amendments

Update Guidance material to facilitate multi-regional service provision

Manual on Coordination between Air Traffic Services, Aeronautical Information Services and Aeronautical Meteorological Services - Doc (9377)

Description of Amendments

Update related guidance material to support the implementation of Annex 3 Amendment.

Update related guidance material to support the implementation of Annex 3 Amendment.

Manual on Evidence-Based Training - Doc (9995)

Description of Amendments

Update based on revised competency-related definitions

Manual on Ground-based Safety Nets - Doc (####)

Description of Amendments

Development of guidance on STCA, MSAW and APW

Development of guidance on approach path monitor (APM)

Manual on Remotely Piloted Aircraft Systems (RPAS) - Doc (10019)

Description of Amendments

Provisions for the introduction or enhancement of flight recorders in RPAS

Update guidance material

Manual on Required Communication Performance (RCP) - Doc (9869)

Description of Amendments

Guidance on issues and resolution database, RCP/RSP specifications for domestic data link operations for specific applications including RCP/RSP specifications that support SASP work program, as necessary.

Manual on Simultaneous Operations on Parallel or Near-Parallel Instrument Runways (SOIR) - Doc (9643)

Description of Amendments

Guidance on PBN parallel approaches

Manual on Testing of Radio Navigation Aids - Doc (8071)

Description of Amendments

Update Doc 8071 relating to surveillance and collision avoidance systems in light of operational experience

Manual on the Approval of Training Organizations - Doc (9841)

Description of Amendments

Update based on revised competency-related definitions

Manual on the ATM reference model - Doc (####)

Description of Amendments

New manual on the ATM Reference Model

Manual on the Digital Exchange of Aeronautical Meteorological Information - Doc (10003)

Description of Amendments

Update related guidance material to support the implementation of Annex 3 Amendments

Manual on Volcanic Ash, Radioactive Material, and Toxic Chemical Clouds - Doc (9691)

Description of Amendments

Develop guidance on relevant SRA information to Flight Crews for Pre-flight/Inflight planning purposes

Update related guidance material to support the implementation of Annex 3 Amendment.

New Circular Inspector's job aids (Sample checklists for State inspector e.g. approval of training devices; Sample staff instructions for surveillance) - Doc (####)

Description of Amendments

Sample checklists for State inspector (e.g. approval of training devices)

Sample staff instructions for surveillance (doc review, on-site assessments)

New ICAO Document - Doc (####)

Description of Amendments

Guidance for emergency planning and coordination for States and service providers

PANS-AIM - Procedures for Air Navigation Services — Aeronautical Information Management - Doc (####)

Description of Amendments

Associated procedures for the Global Reporting Format

Introduction of PANS-AIM

PANS-MET - Procedures for Air Navigation Services — Meteorology - Doc (####)

Description of Amendments

Amendment to facilitate the introduction of the meteorological component of SWIM.

Develop PANS-MET document including technical specifications

Performance-based Navigation (PBN) Manual - Doc (9613)

Description of Amendments

Navigation specification for RNP AR and OEI

Update to navspecs to allow multiple GNSS constellations

Navigation Specifications in RTA

Update on FRT functionality to align with Do 236c

Update PBN Manual to include the clarification of RNP and RNAV functionality and uses

Update operational guidance for consistency and clarity

Integration of GBAS in PBN

PBN specifications to support visually guided approaches using Area Navigation capability

Performance-Based Navigation (PBN) Operational Approval Manual - Doc (9997)

Description of Amendments

Update to OPS approval to allow multiple GNSS constellations

Updated OPS approval Manual to include RTA

Update Ops Approval manual as appropriate to take account of changes identified above

Certification of systems to support FRT implementation

Include guidance on documentation of PBN capabilities in a clear consistent manner

Quality Assurance Manual for Flight Procedure Design, Volume II - Flight Procedure Designer Training (Development of a Flight Procedure Designer Training Programme) - Doc (9906)

Description of Amendments

Review and complete Quality Assurance Manual for Flight Procedure Design Vol 4 – Procedure design construction

Quality Assurance Manual for Flight Procedure Design, Volume VI - Flight Validation Pilot Training and Evaluation - Doc (9906)

Description of Amendments

Update based on revised competency-related definitions

Regional Air Navigation Plans - Doc (####)

Description of Amendments

Based on Annex 3 amendment, update of the Regional Air Navigation plans as necessary

Related to specific job performance - Doc (TRN)

Description of Amendments

Update to PBN CBT and classroom course content

Update to PBN CBT and classroom course content

Update to PBN CBT and classroom course content

Update to PBN CBT and classroom course content

Report on the Assessment of the need for a New Generation of Collisions Avoidance Systems - Doc (####)

Description of Amendments

Assess the need for a new generations of collision avoidance systems (ACAS-X) and generate a report.

Report on the Prevention of any International Mobile Telecommunications Spectrum Allocation - Doc (--)

Description of Amendments

Develop position on the prevention if IMT SA/ICAO and other member States to pursue this matter (VSAT) in the ITU-R to prevent any international mobile telecommunications spectrum allocation comprises the availability of the aeronautical very small aperture networks.

Required Navigation Performance Authorization Required (RNP AR) Procedure Design Manual - Doc (9905)

Description of Amendments

Procedure design requirements for RNP AR and OEI

Improved PBN Design criteria based on improved data

SADIS User Guide - Doc (####)

Description of Amendments

Update related guidance material to support the implementation of Annex 3 Amendment.

Safety Management Manual - Doc (9859)

Description of Amendments

Safety performance indicators and/or methodology for their development

Propose recommendations to SMP to amend Safety Management Manual (SMM) (Doc 9859)

Guidance material and tools to facilitate the interaction of SMS and SSP

Satellite Voice Guidance Material (SVGM) Document - Doc (10038)

Description of Amendments

Guidance on assigning and managing SATVOICE numbers for aeronautical stations and incorporate other updates as experience is gained in its use.

Technical Instructions for the Safe Transport of Dangerous Goods by Air - Doc (9284)

Description of Amendments

Update based on revised competency-related definitions

Technical Provisions for Mode S Services and Extended Squitter - Doc (9871)

Description of Amendments

Guidance on ADS-B capability for ground vehicles

Update Doc 9871 relating to surveillance and collision avoidance systems in light of operational experience"

WGS-84 Manual - Doc (###)

Description of Amendments

Revision and update of WGS-84 Manual

WIFS User Guide - Doc (####)

Description of Amendments

Update related guidance material to support the implementation of Annex 3 Amendment.

- Doc ()

Description of Amendments

Guidance on the rules and provisions and the applications permitted to use the public internet

Address radio frequency interference issues for aviation and the need for action by States, ICAO and international organizations

Develop technical analyses and other input material for meetings of the ITU Radiocommunication Sector (ITU-R) to assist with their WRC preparatory studies.

Develop and coordinate, through State review and Council approval, an ICAO Position on the various items on the agenda of ITU WRC-15.

Maintain ITU Radioregularity framework relevant to aviation and keep ICAO provisions and the ITU Radioregulatory framework in sync.

- Doc ()

Description of Amendments

Develop PBN Reversion strategy document

Develop RF development strategy document

Aeronautical Chart Manual - Doc (8697)

Description of Amendments

Charting requirements for RNP AR Departures

Aeronautical Surveillance Manual (Doc 9924) - Doc (9924)

Description of Amendments

Amend Doc 9924 to ensure performance of surveillance and collision avoidance systems in light of operational experience and emerging technologies.

Air Traffic Management Security Manual - Doc (9985)

Description of Amendments

Amendments related to air navigation security

Air Traffic Services Planning Manual - Doc (9426)

Description of Amendments

Complete review according to current procedures and future developments

Airborne Collision Avoidance System (ACAS) Manual (Doc 9863) - Doc (9863)

Description of Amendments

Amend Doc 9863 to ensure performance of surveillance and collision avoidance systems in light of operational experience and emerging technologies.

Dangerous Goods Supplement to Technical Instructions - Doc (9284SU)

Description of Amendments

Amendment

Manual of Aircraft Accident and Incident Investigation - Organization and Planning - Part I - Doc (9756.1)

Description of Amendments

Develop additional guidance material for the investigation of RPAS accidents and incidents to be included in the next revision of Doc 9756

Manual on Required Communication Performance (RCP) - Doc (9869)

Description of Amendments

expanding the scope to add ground-ground data link communications, subject to the approval of a job card, currently being developed/coordinated.

Manual on System Wide Information Management (SWIM) Concept - Doc (10039)

Description of Amendments

Second Edition

Manual on the Aeronautical Telecommunication Network (ATN) using Internet Protocol Suite (IPS) Standards and Protocols - Doc (9896)

Description of Amendments

Third Update - providing improved architecture, addressing, naming conventions and their management and security

PANS-AIM - Procedures for Air Navigation Services — Aeronautical Information Management - Doc (####)

Description of Amendments

Procedures and guidance on the general use improved operational information access (including changes to NOTAM)

Performance-based Navigation (PBN) Manual - Doc (9613)

Description of Amendments

Update to PBN manual to include new AR departures section;

Update descriptions of RNP 1 to include DME/DME

Update to PBN Manual if change to the nav spec (for example mandatory RF leg) is required, and including guidance on RF leg usage

Performance-Based Navigation (PBN) Operational Approval Manual - Doc (9997)

Description of Amendments

Process for approval of new AR DEP specifications

Define approval requirements for receiver/FMS to allow RNP 1 DME/DME position updating

Update to Ops Approval manual to reflect new requirements for mandatory RF leg capability

Related to specific job performance - Doc (TRN)

Description of Amendments

Update to PBN CBT and classroom course content

Update to PBN CBT and classroom course content related to RF legs

Required Navigation Performance Authorization Required (RNP AR) Procedure Design Manual - Doc (9905)

Description of Amendments

Criteria for the development of AR DEP procedures

Technical Instructions for the Safe Transport of Dangerous Goods by Air - Doc (9284)

Description of Amendments

Instructions on how to handle dangerous goods carried on RPA

Technical Provisions for Mode S Services and Extended Squitter (Doc 9871) - Doc (9871)

Description of Amendments

Amend Doc 9871 to ensure performance of surveillance and collision avoidance systems in light of operational experience and emerging technologies

2022

- Doc ()

Description of Amendments

Assist ICAO in the coordination of the arrangements between the States/Provider States, international organizations and other stakeholders comprising the IAWW and in ensuring that the global requirements for IAWW information are met.

Assist ICAO in the coordination of the arrangements between the Provider States comprising the WAFS and in ensuring that the global requirements for WAFS information are met.

Assist ICAO in the coordination of the arrangements by the SADIS Provider State in ensuring that the global requirements for the dissemination of global OPMET and WAFS information are met.

Airborne Collision Avoidance System (ACAS) Manual (Doc 9863) - Doc (9863)

Description of Amendments

Develop guidance materials on the function and operation of ACAS-X

Develop guidance materials on the function and operation of ACAS-Xu

Manual of Aeronautical Meteorological Practice - Doc (8896)

Description of Amendments

Update related guidance material to support the implementation of Annex 3 Amendment.

Manual on Airborne Surveillance Applications - Doc (9994)

Description of Amendments

Guidance to support interval management procedures

Manual on Coordination between Air Traffic Services, Aeronautical Information Services and Aeronautical Meteorological Services - Doc (9377)

Description of Amendments

Update related guidance material to support the implementation of Annex 3 Amendment.

2024

Manual on Airborne Surveillance Applications - Doc (9994)

Description of Amendments

Manual on Airborne Surveillance Applications / Guidance to support surface operations with indications and alerts (SURF-IA)