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**Ninth Meeting of the MIDANPIRG AIM Sub-Group
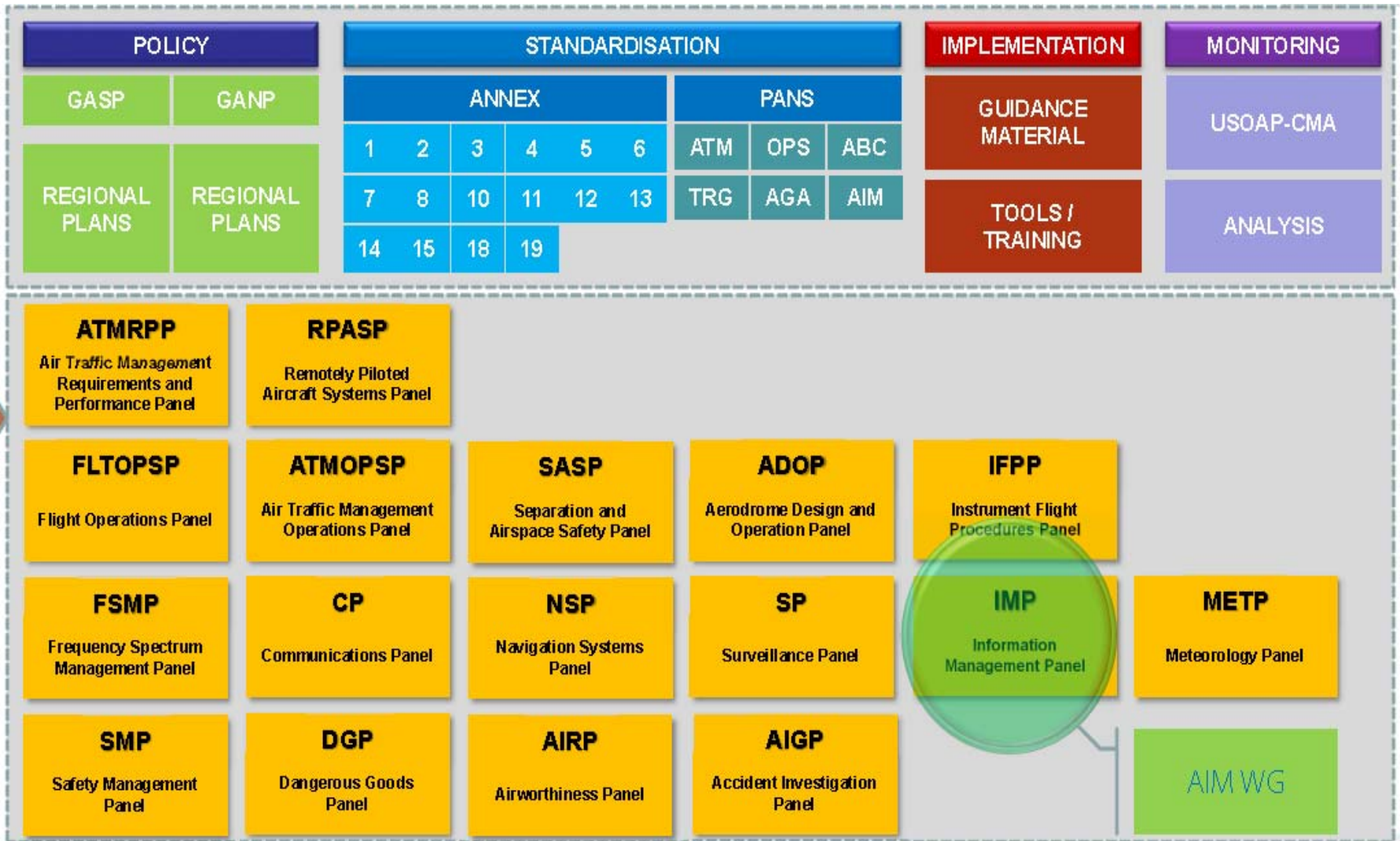(AIM SG/9)
(Virtual Meeting, 20 - 21 September 20221)**

INTERNATIONAL
CIVIL AVIATION
ORGANIZATION

A UN SPECIALIZED AGENCY

GLOBAL DEVELOPMENTS

RECONNECTINGTHEWORLD

AIR NAVIGATION WORK PROGRAMMES

POLICY	STANDARDISATION	IMPLEMENTATION	MONITORING

POLICY

GASP	GANP
REGIONAL PLANS	REGIONAL PLANS

STANDARDISATION

ANNEX						PANS		
1	2	3	4	5	6	ATM	OPS	ABC
7	8	10	11	12	13	TRG	AGA	AIM
14	15	18	19					

IMPLEMENTATION

GUIDANCE MATERIAL
TOOLS / TRAINING

MONITORING

USOAP-CMA
ANALYSIS

Panels

ATMRPP — Air Traffic Management Requirements and Performance Panel

RPASP — Remotely Piloted Aircraft Systems Panel

FLTOPSP — Flight Operations Panel

ATMOPSP — Air Traffic Management Operations Panel

SASP — Separation and Airspace Safety Panel

ADOP — Aerodrome Design and Operation Panel

IFPP — Instrument Flight Procedures Panel

FSMP — Frequency Spectrum Management Panel

CP — Communications Panel

NSP — Navigation Systems Panel

SP — Surveillance Panel

IMP — Information Management Panel

METP — Meteorology Panel

SMP — Safety Management Panel

DGP — Dangerous Goods Panel

AIRP — Airworthiness Panel

AIGP — Accident Investigation Panel

AIM WG

THE AIM WORKING GROUP ACTIVITIES

AIM Global Implementation Support

- Manual on the Quality Management System for Aeronautical Information Management
- Training Manual for AIS/AIM
- AIS Manual
- AIM Roadmap

NOTAM

- NOTAM Questionnaire
- New operational reporting information service that replaces the current NOTAM system

Aeronautical Charts

- Charts Questionnaire
- Amendments to Annex 4

Digital Data Sets

- Data coding standards

WGS-84

- Status of implementation of WGS-84
- Analyse if need to update

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ICAO DOC 8126 – AIS MANUAL

The Aeronautical Information Services Manual (Doc 8126), 7th edition has finally been published!
It is available on ICAO-NET:
 https://portal.icao.int/icao-net/ICAO%20Documents/8126_cons_en.pdf

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ICAO DOC 9839 – QMS MANUAL

The work on ICAO Doc 9839 has been completed.
The Manual on the Quality Management System for Aeronautical
Information Services , is now available through the ICAO Secure Portal,
subject to the following disclaimer:

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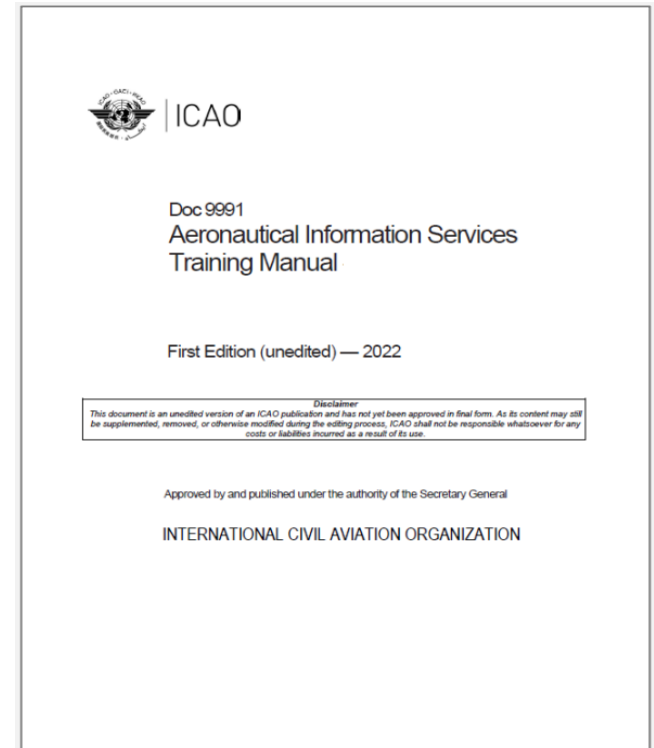appearing here.*

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Doc 9839

Manual on the Quality
Management System for
Aeronautical Information Services

First Edition, 2022

International Civil Aviation Organization
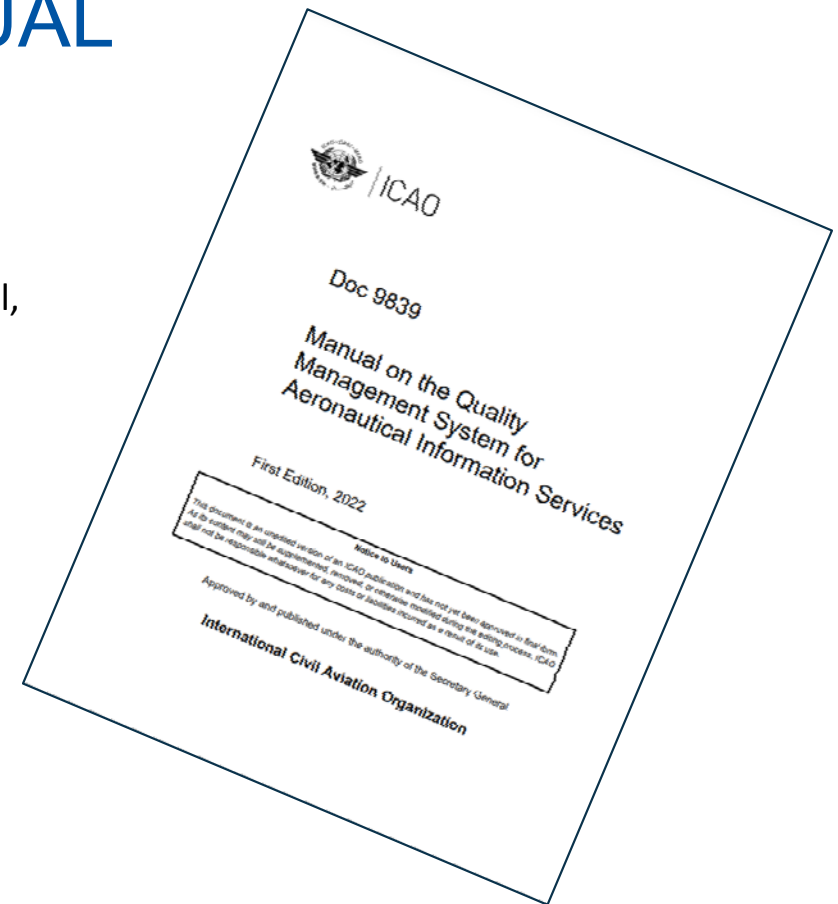
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ICAO DOC 9991 – TRNG MANUAL

The work on ICAO Doc 9991 has been completed.
The Manual on the Aeronautical Information Services Training Manual
, is now available, subject to the following disclaimer:

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Doc 9991
Aeronautical Information Services
Training Manual

First Edition (unedited) — 2022

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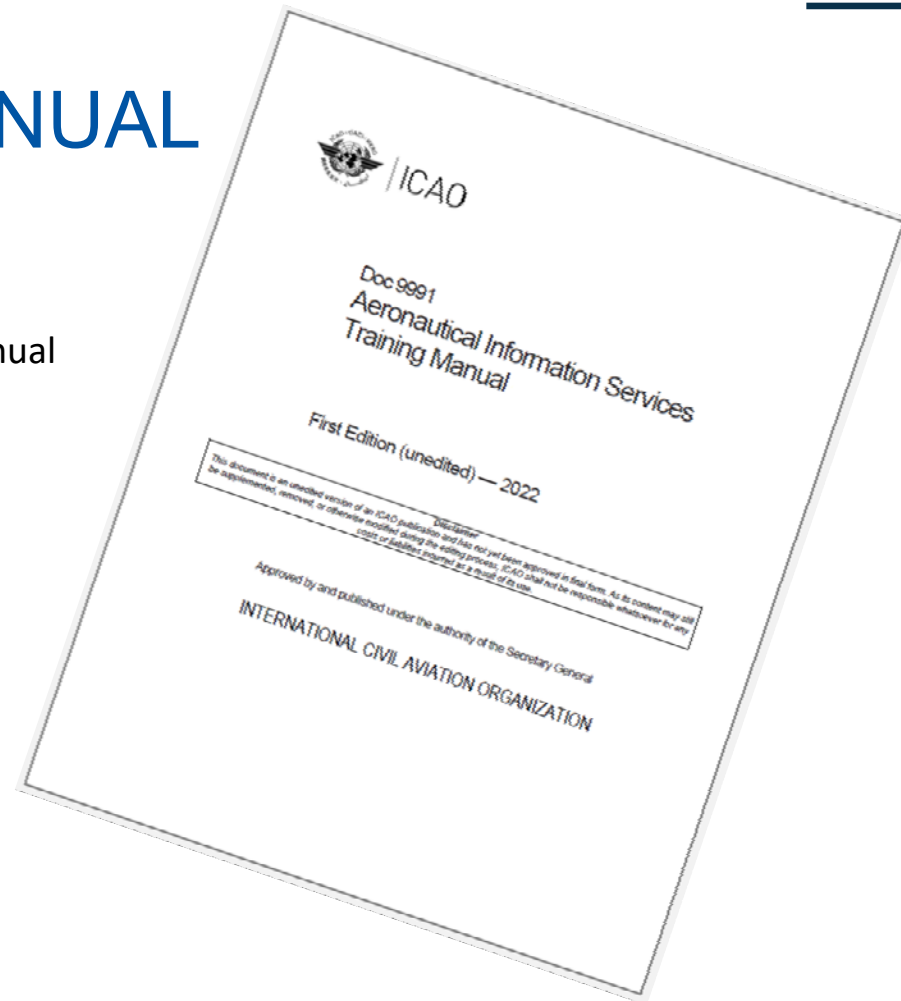
AIS Training Manual – Background

- In 2018, publication of Annex 15 and PANS-AIM prepared for the transition from AIS to AIM
- This necessitated a complete review of AIS Manual (Doc 8126); release of 7th edition in Q2 2021
- Required guidance on quality requirement with Manual on QMS for AIS (Doc 9839); in Q2 2022
- Required guidance on training requirement with AIS Training Manual (Doc 9991); due in Q4 2022
- Development of two TRAINAIR Plus courses (AIQM and AIS OPS) by ICAO; in Q3 2022
- Doc 8126, Part IV Digital aeronautical information products and related services; expected Q1 2023

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ICAO DOC 9991 – TRNG MANUAL

- As per QMS requirement, AIS personnel need to be competent to do their assigned tasks.

- Hence the need for employing the adapted competency-based training and assessment (CBTA) model

- The model is based on the generic ICAO competency framework in PANS
- -TRG (Doc 9868).

- Competency is defined as knowledge, skills and attitudes, as evidenced through observable behaviours, to perform an activity or task.

- CBTA should be applied to all phases of AIS training, namely initial, functional, specialized and refresher training.

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Doc 9991
Aeronautical Information Services
Training Manual

First Edition (unedited) — 2022

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Approved by and published under the authority of the Secretary General

INTERNATIONAL CIVIL AVIATION ORGANIZATION

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ICAO DOC 9991 – TRNG MANUAL

Table of contents

- Chapter 1: Introduction, contains background and guidance for establishing a CBTA programme for an AIS organization

- Chapter 2: contains guidance for adapting the ICAO competency framework to AIS, as well as regulator, safety and performance aspects

- Chapters 3 and 4 : provide specifics on designing an AIS CBTA and the various phases of AIS training

- The appendices contain examples of a training specification, an AIS adapted competency model, as well as a sample training syllabus, among others

CONTENTS

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ICAO DOC 9991 – TRNG MANUAL

Annex 15 and PANS-AIM

Amendments and updated cross-references to the AIS Training Manual (Doc 9991) will be added in the next editions of Annex 15 and PANS-AIM (Doc 10066).

ICAO DOC 9991 – TRNG MANUAL

Procedures for Air Navigation Services – Training (PANS-TRG) Doc 9868

Provides the generic ICAO competency framework which is then adapted to the various aviation domains (e.g. flight crews, aircraft maintenance personnel, ATCOs, etc).

PANS -TRG (Doc 9868) will be amended to include in Part VI – Training and assessment for other aviation personnel, the competency - based training and assessment for aeronautical information services (AIS) personnel.

DAIM ASBU AND BBB UPDATES

The ASBU Panel Project Team (PPT) had been established under the GANP Study Group (SG) to maintain the ASBU Threads e.g. AMET, DAIM, FICE, SWIM.

The next review of the GANP is intended to be a minor, which is scheduled for applicability in 2022, after review at the 41st session of the ICAO Assembly.

IMP/WG-A proposed that DAIM-B1/1 Provision of quality-assured aeronautical data and information : QMS, WGS-84 and AIRAC are standards and to be deleted.

DAIM-B1/7 and DAIM-B2/5 NOTAM improvements and replacement : SWIM Dependencies be added as digital NOTAM can be provided as a SWIM information service similar to digital data set services:

Version 7 of the GANP is scheduled for applicability in 2025.

ICAO GANP PORTAL

Global Strategic ▾   Global Technical ▾   Regional ▾   National ▾   ◂) Login

WELCOME TO THE GLOBAL AIR NAVIGATION PLAN PORTAL

The GANP Portal is a web portal where all aviation stakeholders will be able to find the most relevant information related to the GANP

THE GLOBAL AIR NAVIGATION PLAN

The Global Air Navigation Plan (Doc 9750) is the ICAO's highest air navigation strategic document and the plan to drive the evolution of the global air navigation system, in line with the Global Air Traffic Management Operational Concept (GATMOC, Doc 9854) and the Manual on Air Traffic Management System Requirements (Doc 9882). It also supports planning for local and regional implementation.

In order to better communicate with technical and high-level managers and to not leave any State or stakeholder behind, a multilayer structure, tailored for the various audiences, is proposed for the sixth edition of the GANP. This multilayer structure of four layers; two global levels, a regional level and a national one, would also provide a framework for alignment of regional, sub-regional and national plans.

ICAO TRAINAIR Plus Training Courses

AIQM & AIS OPS

ICAO TRAINAIR Plus Training Course AIQM

- 2 day course
- Target audience: Managers (ANS, AIS providers, safety inspectors, airport operators, etc.)
- In English (other languages to follow)
- Developed using competency-based methodology, Training Development Guide (Doc 9941)
- Classroom or Virtual classroom
- Max. participants: 15 (25 with 2 instructors)
- ICAO Certification
- Register at :https://igat.icao.int/ated/TrainingCatalogue/Course/ 5639 or 5582

AIQM – Course Overview

- Three modules:
- Module 0 – Orientation
- Module 1 – Aeronautical Information Quality Management
- Module 2 – Wrap-up
- Introduces the aeronautical data chain
- Emphasizes that quality is established at origination and can subsequently only be maintained
- Highlights importance of Quality Management System and Formal Arrangements
- Contains group discussions, quizzes, hands-on exercises, progress and mastery tests

ICAO TRAINAIR Plus Training Course AIS OPS

Data-Centric Aeronautical Information System Operations (AIS OPS) course :
• 5 day course
• Target audience: AIS operational staff
• In English (other languages to follow)
• Developed using competency-based methodology, Training Development Guide (Doc 9941)
• Classroom or Virtual classroom
• Max. participants: 15 (25 with 2 instructors)
• ICAO Certification
• Register at :
https://igat.icao.int/ated/TrainingCatalogue/Course/5640 or 5605

AIS OPS course Overview

Data-Centric Aeronautical Information System Operations
(AIS OPS) course :
•Four main modules: quality management, collection,
processing, and distribution of aeronautical
data and information
• Introduces and covers the entire aeronautical data chain
from origination to next intended users
• Detailed description of all functions of an AIS
• Introduces and explains new concepts like aeronautical
data catalogue, data quality requirements, metadata, data
product specification, digital data sets, information exchange
model, data set distribution service, etc.
• Contains group discussions, quizzes, practical exercises,
progress and mastery tests.

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ICAO | GLOBAL AVIATION TRAINING TRAINAIR PLUS

Air Navigation

Data-Centric
Aeronautical Information
System Operations (AIS OPS EN)

Virtual Classroom

www.icao.int/training

ICAO custom training

ICAO Technical Cooperation Bureau

Series of AIM Workshops
• 2 weeks of workshops (for managers and AIM operational staff)
• In preparation of acquisition of AIS automation system
• Based on AIQM and AIS OPS courses
• Custom NOTAM workshop, incl. review and analysis of NOTAM

AIM-OPS
NOTAM Workshop

MODULE – Creating high quality NOTAM

Welcome to
Amsterdam

The meeting is invited to :

a) follow-up and keep abreast of the Global activities related to AIM; and

b) discuss any relevant matters as appropriate.

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Thank You