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WORKING PAPER

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Eighth North American, Central American and Caribbean Working Group (NACC/WG) Aeronautical Information Management Implementation Task Force Meeting (AIM/TF/08).

México City, Mexico, 8 to 11 July 2025

Agenda Item 2: Plan Review and update to the NACC/WG AIM TF's Work Programme, Terms of Reference (ToRs)

WORK PROGRAMME AND TERMS OF REFERENCE (ToRs) AIM 2025 - 2030

(Presented by the Secretariat)

EXECUTIVE SUMMARY	
This working paper presents important updates to the AIM/TF Work Program, related to Aeronautical Information Management (AIM) and future changes relating to AIM to be included in the 8th version of the Global Air Navigation Plan (GANP).	
Action:	Suggested actions are presented in Section 3.
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Strategic Objective 1 – Safety• Strategic Objective 2 – Air Navigation Capacity and Efficiency
<i>References:</i>	<ul style="list-style-type: none">• Global Air Navigation Plan (GANP) – 7th. Edition• Basic Constituent Elements Framework /BBB), GANP Portal

1. Introduction

1.1 According to the analyses carried out during the meeting, the group is expected to update of the Terms of Reference (ToRs) and Work Programme (see proposed changes in the **Appendix**) of the AIM/TF.

1.2 This working paper provides information on the proposed changes to the Global Air Navigation Plan (GANP, Doc. 9750, 8th Ed, [Home - ICAO GANP Portal](#)) with particular emphasis on the Basic Building Blocks (BBBs) and the proposed changes to Digital Aeronautical Information Management (DAIM) modules of the Aviation System Block Improvements (ASBU). It also refers to the need to update the AIM information in the Air Navigation Plan (ANP)

2. Discussion

2.1 During the 42nd ICAO Assembly (23 September – 3 October 2025), the eighth edition of the Global Air Navigation Plan (GANP, Doc 9750), which contains important updates, will be submitted for consideration. In addition to the proposals submitted to the 14th Air Navigation Conference (AN-Conf/14-WP/12), updates to the seventh edition of the GANP have been proposed to align it with the ICAO Strategic Plan 2026-2050. The recommended update for the GANP portal is available at the following link: <https://www4.icao.int/ganpportal/document/RecommendedGANPUpdates>

2.2 The DAIM thread update includes delaying some elements, changes to the maturity level of some elements, and updating some enablers. Where appropriate, the applicability to new entrants and the use of automation/machine learning have also been highlighted. The proposed changes for the ASBU modules concerning AIM are as follows:

- **DAIM-B1/1 Provision of quality-assured aeronautical data and information;** Change the Maturity Level (ML) a *Ready for implementation*.
- **DAIM-B2;** Change in the version of the enabler (Information Exchange Model) for all elements; *Aeronautical Information Exchange Model (AIXM) v 5.1 o superior*. Justification: States should be made aware that previous versions of AIXM (i.e. 4.5) will be unsupported and phased out in Block 2.
- **DAIM-B2/3 Aeronautical information to support higher airspace operations;** Moved to Block 4 as by 2025 it would still have a "Concept" maturity level.
- **DAIM-B2/4 Aeronautical information requirements to support lower airspace operations;** Updated Element Name. The maturity of these operations requires this element to be moved to Block 3 by 2025 ML will be "Standardization". Main Purpose (MP): To provide low altitude airspace management information in a Unmanned Aircraft Systems (UAS) Traffic Management (UTM) service that is complementary to standard AIS. Justification: States should have started to focus on the defining provisions that are necessary to be ready for implementation next.
- **DAIM-B2/5 NOTAM replacement;** Moved to Block 3 to add the use of Artificial Intelligence and Machine Learning (AI/ML) for a more efficient NOTAM-like information exchange mechanism. Justification: The maturity of these operations requires this element to be moved to Block 3.

2.3 BBBs represent the identification of essential services to be provided for international civil aviation in accordance with ICAO Standards and Recommended Practices (SARPs) and for aeronautical information management as defined in Annex 15 and Annex 4. In addition, they identify the end users of essential services, as well as the assets of the Communication and Navigation infrastructure that are necessary for their provision. It also indicates as Procedures for Air Navigation Services Doc. 10066 (PANS-Aeronautical Information Management) and as guide documents Doc. 8126 (AIS Manual) and Doc. 8697 (Aeronautical Charts Manual). It is important to note that the BBBs are separate from the ASBU modules as part of the Global Technical level of the GANP and are the basis for the stable (Volume I) and dynamic (Volume II) planning elements of the Air Navigation Plan (ANP).

2.4 Another aspect to consider is that in the Protocol Questions (PQs) associated with the AIM as the main tool used in the Continuous Monitoring Approach (CMA) of ICAO's Universal Safety Oversight Audit Programme (USOAP), 9 PQs appear that represent the areas covered by the BBB framework with Critical Elements 6 and 7 (CE-6 Licensing obligations, certifications, authorizations and/or approvals and CE-7 Surveillance Obligations), focusing on the surveillance that the State is ensuring that the air navigation service provider is providing the service in accordance with ICAO SARP and PANS.

2.5 The template for Volume III of the Air Navigation Plan is also in the process of being updated. Volume III should contain dynamic and flexible elements of the ANP, providing guidance for the planning of the implementation of air navigation systems and their modernisation, considering emerging programmes, such as ASBUs and the associated technology roadmaps described in the GANP. It would also include appropriate additional guidance, regarding implementation, to complement the material contained in Volumes I and II of the ANP.

2.6 It is the responsibility of States to develop their National Air Navigation Plan (NANP) aligned with Regional Air Navigation Plan (RANP) to attain a globally harmonized performance management process and support the achievement of global performance objectives and report annually on progress and effectiveness against established priorities. Volume III plays a key role in bridging the GANP with national air navigation plans and initiatives, thereby facilitating the alignment of global, regional and national efforts. The new Volume III template will provide guidance on national air navigation planning, including the link between the NANP, the RANP and the GANP, as well as with other national aviation plans, such as those related to safety, environment, security, and facilitation, within a broader, integrated National Civil Aviation Master Plan (CAMP); and even to the State's overarching national development plan

2.7 It is proposed that the meeting include in the AIM/TF Work Programme an activity to monitor compliance with the BBB, the updating of Volumes I, II and III of the ANP by the States, as well as the monitoring of the results of the deficiencies of Air Navigation and the USOAP in the field of AIM. Likewise, assess the need to include in the Terms of Reference any update considered pertinent during the working sessions.

3. Suggested actions

3.1 The Meeting is invited to:

- a) consider the changes proposed by the Secretariat to the AIM/TF Terms of Reference and work programme;
- b) review, discuss and approve the contents of the **Appendix** to this paper; and
- c) suggest some other additional actions.

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APPENDIX

TERMS OF REFERENCE (ToRs) OF THE TASK FORCE FOR THE IMPLEMENTATION OF AERONAUTICAL INFORMATION MANAGEMENT (AIM/TF)

1. *Background*

During the first meeting of the ANI/WG, it was agreed to activate an AIM Implementation Working Group formed to support and make more efficient the activities of implementation of AIM in accordance with the Roadmap for the transition from aeronautical information service (AIS) to aeronautical information management (AIM). This Task Force will enhance processes and coordination among States, Territories, and international organizations, while also supporting planning groups and States by providing practical guidance for developing AIM implementation strategies. Additionally, it will propose specific tasks and implementation timelines and will report progress to the NACC/WG in alignment with the established action plan.

2. *Responsibilities*

The AIM Task Force is responsible for:

- a) managing of the work programme based on the latest version of the GANP;
- b) supporting States to complete the transition to AIM;
- c) supporting States with the implementation of Phase 2 and Phase 3 of the ICAO Roadmap, in preparation for the establishment of System-wide Information Management (SWIM), in consideration of performance-based AIM;
- d) periodically request data from States to compile statistics to monitor their status of AIM implementation; and
- e) developing a standardized training curriculum, both basic and specialized, for the AIM community to ensure that, at the international and regional levels, all AIM personnel are consistently and properly trained in AIM products and support functions.

Rapporteur of the AIM Task Force and Secretariat:

- a) The AIM/TF will be led by a Rapporteur who will be elected for a three-year term.
- b) The AIM/TF shall have a Vice-Rapporteur for the same three-year period and shall assist the Rapporteur in the performance of his/her duties and shall replace him/her in his/her functions in the event of absence.
- c) If for any reason there is a need to replace the Rapporteur or Vice-Rapporteur before the established period, a new election will be held to fill the vacancies during the next session. This will also determine the length of the mandate assigned to the new Rapporteur (Rapporteur or Vice-Rapporteur) and will not exceed more than three years.
- d) The duties of the Rapporteur of the AIM/TF are as follows:

- i. chair NACC/WG/AIM/TF meetings;
 - ii. coordinate the fulfilment of the tasks and work program;
 - iii. manage the planning and monitoring of calls for face-to-face or virtual meetings, work planning, preparation and approval of reports; and
 - iv. coordinate closely with the Secretariat the preparation of the Agenda and the planning of the working sessions.
 - v. Report to the meetings of North American, Central American and Caribbean Working Group (NACC/WG) Rapporteurs on the outcomes of the AIM/TF meetings; and
- e) The Secretariat will be provided by the ICAO NACC Regional Office.

3. **Work Methods**

The AIM Task Force:

- a) present its work program containing activities in terms of objectives, responsibilities, deliverables and timing;
- b) avoid duplication of work within the ANI/WG and maintain close coordination between existing entities and other task groups within the NACC/WG in accordance with the GANP, to optimize the use of available resources and expertise;
- c) appoint, if it deems it necessary, Ad hoc Groups to work on specific themes and activities and to organize clearly defined tasks and activities;
- d) coordinate tasks to maximize efficiency and reduce costs through electronic means including email, telephone, and teleconferencing, and convene meetings when necessary; and
- e) notify and coordinate the progress of the assigned tasks to the ANI/WG.

4. **Membership**

The AIM Task Force is composed of Antigua and Barbuda, Anguilla, Aruba, Bahamas, Barbados, Belize, Bonaire, Canada, Costa Rica, Cuba, Curaçao, Dominica, Dominican Republic, El Salvador, Grenada, Guatemala, Haiti, Honduras, Cayman Islands, Jamaica, Martini, Mexico, Montserrat, Nicaragua, United States, Saba, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Sint Maarten, Sint Eustatius, Trinidad and Tobago, CANSO, COCESNA and IFAIMA:

	Focal Point	State, Territory, International Organization	Email
1.	Natasha Mussington	Antigua and Barbuda	natasha.mussington@ab.gov.ag ;
2.	Sheila Hodge	Anguilla	Sheila.hodge@aaspa.ai ;
3.	Shekimea Romney		Shekimea.romney@aaspa.ai ;
4.	Mr. Leonel Jarzagaray	Aruba	leonel.jarzagaray@ansa.aw ;
5.	Mr. Rashad Penn	Bahamas	rashad.penn@bansabahamas.com ;
6.	Mrs. Kenya Knowles		Kenya.knowles@bansabahamas.com ;
7.	Mrs. Karen Arty-Farquharson		Karen.Farquharson@bansabahamas.com ;

	Focal Point	State, Territory, International Organization	Email
8.	Mrs. Donna Archer	Barbados	donna.archer@barbados.gov.bb ;
9.	Mrs. Denielle Callender		denielle.callender@barbados.gov.bb ;
10.	Mr. Hadley Bourne		hadley.bourne@barbados.gov.bb ;
11.	Mrs. Ashaida Brackett	Belize	AIMChief@gobmail.gov.bz ;
12.	Mr. Nigel Carter		Nigel.Carter@civilaviation.gov.bz ;
13.	Mrs. Caroline Doucet	Canada	DoucetC@navcanada.ca ;
14.	Mrs. Genista Elizabeth Parchman	Cayman Islands	genista.parchman@caymanairports.com ;
15.	Mrs. Bernardita Mora	Costa Rica	bmora_cr@yahoo.es ; bmora@dgac.go.cr ;
16.	Mr. Gerardo Agüero		gaguero@dgac.go.cr ;
17.	Mrs. Maytte Maciñeira	Cuba	maytte.macineira@iacc.avianet.cu ;
18.	Mrs. Natasha Leonora-Belefanti (<i>AIM TF Rapporteur</i>)	Curaçao (<i>Aruba, Bonaire, Sint Maarten, Saba, St. Eustatius</i>)	leonorabelefanti.n@gmail.com ; N.Leonora-Belefanti@DC-ANSP.ORG ;
19.	Winston Nixon	Dominica	wnixon@daspa.dm ;
20.	Elisha Charles		echarles@daspa.dm ;
21.	Mr. José Antonio Pérez Pérez	Dominican Republic	jose.perez@idac.gov.do ;
22.	Mr. Juan Miguel Díaz		juan.diaz@idac.gov.do ;
23.	Mr. Baldwin Montas Hernández		baldwin.montas@idac.gov.do ;
24.	Mr. Alexander Gabirondo		alexander.gabirondo@idac.gov.do ;
25.	Mr. Gilberto Martínez	El Salvador	gmartinez@aac.gob.sv ;
26.	Mr. José Cesar Balmaceda		jbalmaceda@aac.gob.sv ;
27.	Mr. Sheldon Thomas	Grenada	Sheldon.thomas@gaa.gd ;
28.	Mrs. Jeaneth Herrera	Guatemala	Jeaneth.herrera@dgac.gob.gt ;
29.	Mr. Jean Claude Pierre	Haiti	jeanclaudepierre@gmail.com ; jeanclaude.pierre@ofnac.gouv.ht ;
30.	Mr. Miguel Mejia	Honduras	mmejia@ahac.gob.hn ;
31.	Mrs. Patricia Sanchez		esanchez@ahac.gob.hn ; dsanchez@ahac.gob.hn ;
32.	Mr. Christopher Chambers	Jamaica	Christopher.Chambers@jcaa.gov.jm ;
33.	Mrs. Suzilee McLean-Chambers		Suzilee.mclean-chambers@jcaa.gov.jm ;
34.	Mrs. Merline Richards		Merline.richards@jcaa.gov.jm ;
35.	Mr. Kevin Miller		kevin.miller@jcaa.gov.jm ;
36.	Mr. Michael Joseph-Rose	Martinique	Michael.joseph-rose@aviation-civile.gouv.fr ;
37.	Mrs. Catherine Mayaud		Catherine.mayaud@aviation-civile.gouv.fr ;
38.	Mr. Edgar Gonzalez Flores	México	edgar.gonzalez@afac.gob.mx ;
39.	Mr. Jorge Junior Ruiz Velasco Ramirez		Jorge.ruizvelasco@afac.gob.mx ;
40.	Mr. Joseph Irish	Montserrat	irishjl@gov.ms ;
41.	Mrs. Kiah Wilkes	Nevis	kiahwilkes@gmail.com ;
42.	Mrs. Thelma Gomez	Nicaragua	aimaro@inac.gob.ni ;
43.	Mrs. Marlin Javiera Quiroz Mejía		thelma_gomez05@hotmail.com ;
44.	Mr. Lius Josuha Bobby Montoya		Thelma.gomez@inac.gob.ni ;
45.	Mr. Leon Phillip	St. Kitts	Leon.phillip@scaspa.com ;
46.	Mrs. Amy Charles	St. Lucia	amy.charles@slaspa.com ;
47.	Mr. Ricardo Charles		ricardo.charles@slaspa.com ;
48.	Mr. Remy Avril		remy.avril@slaspa.com ;
49.	Mr. Kazx Hacksaw	St. Vincent	saosvg22@gmail.com ;

	Focal Point	State, Territory, International Organization	Email
50.	Mr. Stanton Gomes		ddcasvg@gmail.com ;
51.	Admin Office		airportsdep@gmail.com ;
52.	Mr. Neil Ali	Trinidad and Tobago	nali@caa.gov.tt ;
53.	Mr. Steve Ramgoolam		sramgoolam@caa.gov.tt ;
54.	Mrs. Faadia F. Mohammed		famohammed@caa.gov.tt ;
55.	Ms. Ceronne Johnson		cjohnson@caa.gov.tt ;
56.	Mrs. Lauren Priem	United States / FAA	Lauren.E.Priem@faa.gov ;
57.	Mr. Christopher Criswell		Christopher.Criswell@faa.gov ;
58.	Mr. Brian M. Murphy		Brian.M.Murphy@faa.gov ;
59.	Mrs. Melissa Wishy		Melissa.wishy@faa.gov ;
60.	Mr. Matthew Bourvic	United States / NGA	Matthew.J.Bourvic@nga.mil ;
61.	Mrs. Jodi Brainard		Jodi.A.Brainard@nga.mil ;
62.	Mrs. Jenny Lee	COCESNA	Jenny.Lee@cocesna.org ;
63.	Mrs. Luana Isaac	ECCAA	lisaac@eccaa.aero
64.	Mr. Javier Vanegas	CANSO	javier.vanegas@canso.org ;
65.	Mr. Alexis Amézquita	IFAIMA	alexis.amezquita@ifaima.org ;
66.	Mr. Luis Fernando Cruz Alburqueque	IFAIMA SAM Region	LuisCruza@ifaima.org ;

Updated: 2025

5. Work Programme

AIM TASKFORCE (AIM/TF)
2025-2030

No	Activity	Objective	Responsible	Deliverable	Date	Status State
1	Follow-up on the progress of amendments to ICAO Annexes 2, 4 and 15 , Existing Manuals (PANS AIM Doc 10066, Doc 8126, Doc 4444, etc.) and new ICAO documents to support digital requirements such as eAIPs, electronic aeronautical charts, using GIS, etc.	Comply with the introduction process and implement amendments to Annexes 4 and 15 of the Chicago Convention and related Manuals	ICAO States/Territories	Report to the ANIWG	Continuous Process	Valid
2	Implement QMS processes and quality management in electronic automation in States, Territories and International Organizations that do not have QMS in place yet, to ensure quality, safety and security. operational and effectiveness related to the electronic production and distribution of information	Ensure quality in the management of aeronautical information according to the requirements of users of QMS Doc. 9839 standards, for the correct execution of tasks and publications of AIM-related products.	ICAO AIM/TF	Consult with QMS States, through referral to the ICAO NACC Regional Office	2030	Valid
3	Advise States on collaboration and coordination of information requirements through a domain system allowing for extensive information management in preparation for implementation of SWIM, with the contribution of other States and Organizations sharing experience for decision-making and advancement of their programs. Consult States' experience in procuring integrated solutions to provide guidance and assistance to States in implementing a performance-based approach	Assist States, Territories and International Organizations with appropriate decision-making related to current aeronautical information services towards the transition to AIM and define the acceptable levels of safety and performance. Ensure that AIM solutions are harmonized and integrated regionally and internationally, in preparation for the implementation of SWIM Doc 10039	ICAO AIM/TF	To be decided. Make an inquiry through reference from OR NACC ICAO	Continuation Process	Valid
4	Coordinate activities such as Workshops and Seminars to train Human Resources in the interpretation and application of new SARPs and technological advances that provide the framework for a Global Interoperable System	Assist States, Territories and International Organizations with the process of transitioning to AIM, in order to implement the ICAO Standards for Establishing an Operating Environment Performance-based harmonization	ICAO AIM/TF States/Territories	Carry out Seminar or Workshop	Continuation Process	Valid
5	Develop a standardized AIM training curriculum (basic and specialized)	Ensure consistent and uniform training of AIM personnel across States	ICAO, AIM/TF	Draft curriculum and implementation guidance	2025–2028	New
7	Establish a subgroup or ad hoc team to address flight plan errors and duplications in coordination with AMCB/TF	Identify root causes of flight plan data issues and support collaborative solutions	ICAO, AIM/TF, States, AMCB/TF	Terms of Reference and action plan	2028	New
8	Coordinate the progress of assigned tasks inclusive of the AIM Action Plan and notify NACC WG of updates	Ensure uniformity and timely reporting of AIM/TF task advancements	ICAO, AIM/TF	Progress reports to ANI/WG	Continuous	New
9	Support conceptualization and development of DORIS as successor to digital NOTAM	Sensitize States and request feedback regarding conceptualization and development of DORIS for enhanced aeronautical information.	ICAO, AIM/TF, States	Implementation roadmap and technical guidance	2030	New