



ICAO

International Civil Aviation Organization
North American, Central American and Caribbean Office

WORKING PAPER

ANI/WG/4 — WP/11
06/08/18

Fourth NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/4)
Miami, United States, 21 – 24 August 2018

- Agenda Item 4: Follow-up, Performance Evaluation and Monitoring of the NAM/CAR Regional Performance Based Air Navigation Implementation Plan (NAM/CAR RPBANIP) Targets**
- 4.1 Progress Reports of the Task Forces and the ANI/WG**

PRELIMINARY REPORT ON THE PROGRESS OF THE AIM TASK FORCE (AIM/TF)

(Presented by AIM/TF Rapporteur)

| EXECUTIVE SUMMARY | |
|--|---|
| This Paper presents improvements to the work programme and the progress of the AIM/TF from the ANI/WG/3 Meeting. The Paper also invites to discuss/update the Terms of Reference (ToRs), and updating of participants. | |
| Action: | Suggested actions are presented in Section 3 |
| <i>Strategic Objectives:</i> | <ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency |
| <i>References:</i> | <ul style="list-style-type: none">• North America, Central America and Caribbean (NAM/CAR) Regional Performance Based Air Navigation Implementation Plan (RPBANIP)• Third NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/3), Mexico City, Mexico April 4th to 6th 2016• Port-of-Spain Declaration• Aeronautical Information Management (AIM) AVIATION SYSTEM BLOCK UPGRADE (ASBU) |

1. Introduction

1.1 Taking into consideration the meetings ANI/WG/1 to ANI/WG/3, the Fifth North American, Central American and Caribbean Working Group Meeting (NACC/WG/5), the AIM/AIDC/FPL/1 Meeting and based on the ToRs and the activities of the AIM/TF Work Programme, the available information on the implementation continuity of the transition to AIM by States and International Organizations is provided.

1.2 The ANI/WG/4 is an opportunity to bring together the AIM/TF members, it is suggested to update the information in accordance to the progress reports, results of Seminars and Workshops conducted by ICAO and States, as well as the possibility of updating the membership and the rotation of the AIM Task Force Rapporteur.

2. Terms of Reference (ToRs) and Work Programme.

2.1 The validity of the ToRs of the AIM Task Force is shown in **Appendix A**, the Meeting is requested to update the membership and review the Rapporteur election.

2.2 The new revised version of the AIM Task Force work programme is shown in **Appendix B**, for discussion at the meeting. Please see the modifications in track changes mode in Word.

3. Suggested actions

3.1. The meeting is invited to

- a) Submit or prepare and/or finalize documents, on the activities of the AIM/TF;
- c) States are urged to have a major participation in the AIM Task Force as well participate in AIM Task Force face-to-face meetings & Workshops; and
- d) propose any other action or task, as deemed necessary.

APPENDIX/APÉNDICE A

AERONAUTICAL INFORMATION MANAGEMENT (AIM) IMPLEMENTATION TASK FORCE

1. Background

During the first ANI/WG meeting, an AIM Implementation Task Force was formed in order to streamline related air navigation implementation activities. This Task Force shall improve AIM regional coordination as well as update and report progress to the ANI/WG based on the action plan for these tasks.

2. Responsibilities

The Task Force is responsible for:

- a) Work Programme Management
- b) Supporting States that have not yet finished the transition to AIM
- c) Supporting States with Phase 2 and Phase 3 implementation of the ICAO AIM Roadmap
- d) Periodically requesting statistics from States to monitor implementation status
- e) Maintain active contact (teleconferences) with AIM TF

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3. Working Methods

The Task Force will:

- a) Present its work programme containing activities in terms of objectives, responsibilities, deliverables and timelines
- b) Avoid duplicating work within the ANI/WG and maintain close coordination among the existing entities to optimize use of available resources and experience
- c) Designate, as necessary, Ad hoc Groups to work on specific topics and activities and organize clearly defined tasks and activities
- d) Coordinate tasks to maximize efficiency and reduce costs via electronic means including emails, telephone and teleconference calls, and convene meetings as necessary
- e) Report on and coordinate the progress of assigned tasks to the ANI/WG

Action Plan 2018 – 2020:

- a) AIS Units website and interoperability
- b) Formalization of AIM Regional Contingency
- c) States to have regular Data Originator/Stakeholders User Meeting for QA and SMS purposes within AIM
- d) States to have SLA's in place with Data Originators / Stakeholders – ICAO SLA Template
- e) Consider priority for the following trainings/courses:
 - Basic AIM - 2018
 - D NOTAM, statistical and dynamic data - 2021
 - AIM integrated documentation - 2019
 - AIM-QMS - 2018
 - AIXM ver 5.1 – software - 2019

- 2nd electronic Aeronautical Charts - 2020
- Seminar/Workshop update – 2021
- eTOD – 2018

4. Membership

5.

| <u>Task Force Member- Name:</u> | <u>State/T/IO</u> | <u>email</u> |
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APPENDIX/APÉNDICE B

TASK FORCE FOR THE IMPLEMENTATION OF AERONAUTICAL INFORMATION MANAGEMENT (AIM)

GRUPO DE TAREA PARA LA IMPLEMENTACIÓN DE LA GESTIÓN DE INFORMACIÓN AERONÁUTICA (AIM)

1. Background

During the first meeting of the ANI/WG, it was agreed to activate a group working for the AIM implementation formed to support and make more efficient the implementation activities AIM in accordance with the road map for the transition from AIS to AIM. This task group will have to improve processes and coordination among States, Territories and international organizations, as well as offer to the regional planning groups and States, practical guidance and advice for the development of implementation strategies of aeronautical information management. On the other hand, propose the tasks that have to be done and corresponding implementation schedule, as well as update and report its progress to the ANI/WG based on the plan of action for these tasks

2. Responsibilities

The Task Force is responsible for:

- a) Management of the work programme
- b) Support States to complete the transition to the AIM
- c) Assisting States with the implementation of Phase 1, 2 and Phase 3 of the ICAO Roadmap, in preparation for the establishment of the System Wide Information Management (SWIM), in consideration of the AIM based on performance
- d) Periodically ask States for data which allows producing statistics to monitor their status of AIM implementation

3. Work Methods

The Task Force:

- a) It shall submit its work programme containing activities in terms of: objectives, responsibilities, deliverables results and times
- b) Prevent duplication of work within the ANI/WG and will maintain close coordination between existing entities to optimize the use of available resources and expertise
- c) Designate if so deemed Ad hoc groups to work on specific activities and issues and organize tasks and clearly defined activities
- d) Coordinate tasks to maximize efficiency and reduce costs through electronic media including emails, phone and teleconferencing, and convene meetings where necessary
- e) It will be notified and will coordinate the progress of the tasks assigned to the ANI/WG

1. Antecedentes

Durante la primera reunión del ANI/WG, se acordó activar un Grupo de Trabajo para la Implementación AIM formado con el fin de apoyar y hacer más eficientes las actividades de implementación AIM de acuerdo con la Hoja de ruta para la transición del AIS al AIM. Este Grupo de Tarea habrá de mejorar los procesos y la coordinación entre los Estados, Territorios y organizaciones internacionales, así como, ofrecer a los grupos de planificación regionales y a los Estados, orientación práctica y asesoramiento para el desarrollo de las estrategias de implantación de la gestión de información aeronáutica. Por otra parte, proponer las tareas que han de realizarse y el calendario de implantación correspondiente, así como actualizar y notificar su avance al ANI/WG con base en el plan de acción para estas tareas.

2. Responsabilidades

El Grupo de Tarea es responsable de:

- a) Gestión del Programa de Trabajo
- b) Apoyar a los Estados para finalicen la transición a la AIM
- c) Apoyar a los Estados con la implementación de la Fase 1, 2 y Fase 3 de la Hoja de Ruta de OACI, en preparación para el establecimiento de Gestión de la información de todo el sistema (SWIM), en consideración de AIM basada en performance
- d) Solicitar periódicamente a los Estados datos que permitan elaborar estadísticas para monitorear su estado de implementación AIM

3. Métodos de trabajo

El Grupo de Tarea:

- a) Presentará su programa de trabajo conteniendo actividades en términos de: objetivos, responsabilidades, resultados entregables y tiempos
- b) Evitará duplicación de trabajo dentro del ANI/WG y mantendrá estrecha coordinación entre las entidades existentes para optimizar el uso de recursos y experiencia disponibles
- c) Designará si así lo considera Grupos Ad hoc para trabajar en temas y actividades específicas y organizar las tareas y actividades claramente definidas
- d) Coordinará las tareas para maximizar eficiencia y reducir costos a través de medios electrónicos incluyendo emails, teléfono y teleconferencias, y convocará reuniones cuando sea necesario
- e) Notificará y coordinará el avance de las tareas asignadas al ANI/WG

APPENDIX/APÉNDICE B

4. Work Programme / Programa de trabajo

AIM TASKFORCE (AIM/TF) / GRUPO DE TAREA AIM
2013-20162016-2018

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| No | Activity Actividad | Objective Objetivo | Responsible Responsable | Deliverable Entregable | Date Fecha | Status Estado |
|----|--|---|-------------------------------------|---|-----------------------|-----------------------------|
| 1 | Review of the AIM part for updating the draft of the NAM/CAR Regional Performance-Based Air Navigation Implementation Plan (NAM/CAR RPBANIP) Revisión de la parte AIM para la actualización del borrador del Plan de Implementación de navegación aérea basado en la performance para las regiones NAM/CAR (NAM/CAR RPBANIP) | Comply with the requested in the DECISION ANI/WG/11/13 Cumplir con lo solicitado en la DECISION ANI/WG/11/13 | ICAO AIM/TF OACI/AIM/TF | Report to ANI/WG Informe al ANI/WG | 15 October 2013 | Completed Completada |
| 2 | Develop AIM TF work programme Elaborar programa de trabajo del AIM TF | Manage AIM/TF activities Gestionar actividades del AIM/TF | ICAO AIM/TF OACI AIM/TF | Report to ANI/WG Informe al ANI/WG | 31 October 2013 | Completed Completada |
| 3 | Follow-up progress of amendments of ICAO Annexes 4 and 15, existing and new ICAO Manuals to support digital requirements as eAIP, eCharts, using GIS, etc. Seguimiento a los avances de enmiendas de los Anexos 4 y 15 de OACI, Manuales existentes y nuevos de OACI para soportar los requerimientos digitales como eAIP, cartas aeronáuticas electrónicas, usando GIS, etc. | Comply with the process of introducing and implementing Amendments to Annexes 4 and 15 of the Chicago Convention and related Manuals Cumplir con el proceso de introducción e implementar enmiendas a los Anexos 4 y 15 del Convenio de Chicago y Manuales relacionados | ICAO OACI | Report to ANI/WG Informe al ANI/WG | 2018 | Valid Valida |
| 4 | Develop a format for progress reports and propose it to the States/Territories/International Organizations Elaborar formato de avance de informes y proponerlo a los Estados/Territorios y Organizaciones Internacionales | Report regularly on the generation and distribution of Integrated Aeronautical Information Package (IAIP) Informar periódicamente sobre la generación y distribución de la Documentación integrada de información Aeronáutica (IAIP) | States AIM/TF Estados AIM/TF | Progress report format Formato de informe de avance | 2016 | Valid Valida |
| 5 | Develop a methodology for the implementation of QMS processes and quality management of the electronic automation in States, Territories and International Organizations that ensures the quality, safety and effectiveness related to the production and distribution of electronic information Desarrollar una metodología para la implementación de los procesos QMS y gestión de la calidad en la automatización electrónica en los Estados, Territorios y Organizaciones Internacionales que asegure la calidad, la seguridad operacional y la efectividad relacionada con la producción y distribución electrónica de la información | Ensure the quality in the aeronautical information management according to requirements of users Asegurar la calidad en la gestión de información aeronáutica de acuerdo a los requerimientos de los usuarios | ICAO AIM/TF OACI AIM/TF | Consultation to States that have QMS, by reference OR NACC ICAO Realizar consulta a Estados que cuentan con QMS, mediante referencia de OR NACC OACI | 2016 | Valid Valida |
| 6 | Advising States in collaboration and coordination of information requirements through a system of domains allowing wide information management in preparation for the implementation of the SWIM, with the contribution of other States and Organizations sharing the experience in taking decisions and progress of its programmes Asesorar a los Estados en la colaboración y coordinación de los requerimientos de información a través de un sistema de dominios permitiendo amplia gestión de información en preparación para la implementación del SWIM, con la contribución de otros Estados y Organizaciones compartiendo la experiencia para la toma de decisiones y avance de sus programas | Assist States, Territories and International Organizations in making appropriate decisions related to current aeronautical information services towards transition to the AIM and define acceptable levels of safety and performance Asistir a los Estados, Territorios y Organizaciones Internacionales con la toma de decisiones apropiadas relacionada con los servicios actuales de información aeronáutica hacia la transición a la AIM y definir los niveles aceptables de seguridad y performance | ICAO AIM/TF OACI AIM/TF | Prepare periodic Bulletins Elaborar boletines periódicos | 2018 2020 | Valid Valida |

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| No | Activity Actividad | Objective Objetivo | Responsible Responsable | Deliverable Entregable | Date Fecha | Status Estado |
|----|---|--|--------------------------------|--|---------------|-----------------------------|
| 7 | 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 an interoperable Global System. Coordinar actividades como Talleres y Seminarios para capacitar al Recurso Humano en la interpretación y aplicación de nuevos SARPS y avances tecnológicos que proporcionen el marco para un sistema Global interoperable | Assist States, Territories and International Organizations with the process of transition to AIM, in order to implement ICAO standards to establish a harmonized operating environment performance-based Asistir a los Estados, Territorios y Organizaciones Internacionales con el proceso de transición a AIM, con el fin de implementar las Normas de la OACI para establecer un entorno operativo armonizado basado en el performance | ICAO AIM/TF OACI AIM/TF | Perform a Seminar or Workshop Realizar Seminario o Taller | 20182020 | Valid Valida |
| 8 | Encourage the adoption of cooperation agreements between NOTAM offices (NOF), and the update of contingency plans (for weather events and/or volcanic) in harmonization with ATM contingency plans Incentivar la adopción de convenios de cooperación entre oficinas NOTAM (NOF) y la actualización de planes de contingencia (por eventos climatológicos y/o vulcanológicos) en armonización con los planes de contingencia ATM | Develop AIM to support the Air traffic management operational concept; including NOTAM contingency plans Desarrollar AIM para apoyar el Concepto Operacional de Gestión del Tránsito Aéreo; incluyendo los planes de contingencia NOTAM | ICAO AIM/TF OACI AIM/TF | Generate support through reference OR. NACC. ICAO Generar apoyo mediante referencia de OR NACC OACI | 20182020 | Valid Valida |
| 9 | Consult the experience of States in the acquisition of integrated solutions to provide guidance and assistance to the States to implement a performance-based approach Consultar la experiencia de los Estados en la adquisición de soluciones integradas para brindar orientación y ayuda a los Estados para implementar un enfoque basado en performance | Ensure that AIM solutions should be harmonized and integrated at a regional and international level, in preparation for the SWIM implementation Asegurar que las soluciones AIM se armonicen e integren a nivel regional e internacional, en preparación para la implementación del SWIM | ICAO AIM/TF OACI AIM/TF | Make consult through reference OR NACC ICAO Realizar consulta mediante referencia de OR NACC OACI | 2020 | Valid Valida |
| 10 | Coordinate activities such as Workshops and Seminars to train human resources and in the eTOD topic Coordinar actividades como Talleres y Seminarios para capacitar al Recurso Humano y en el tema eTOD | Share experiences and resources in the implementation of the eTOD through the establishment of an eTOD Regional Working Group Compartir experiencias y recursos con la implementación del eTOD a través del establecimiento de un Grupo de Trabajo Regional eTOD Implement technical ICAO Doc 9881 requirements, as required Implementar requerimientos técnicos del Doc 9881 de la OACI, según sea necesario | ICAO AIM/TF OACI AIM/TF | Perform Seminar or Workshop Realizar Seminario o Taller | 2015 | Completed Completada |
| 11 | Develop a format for progress reports and propose it to the States/Territories/International Organizations Elaborar formato de avance de informes y proponerlo a los Estados/Territorios y Organizaciones Internacionales | Report requirements and monitor the status of eTOD implementation using electronic media to the ICAO NACC Regional Office Reportar requerimientos y monitorear el estado de implementación del eTOD usando medios electrónicos a la Oficina Regional NACC de la OACI | ICAO AIM/TF OACI AIM/TF | Progress report format Formato de informe de avance | 2015 | Completed Completada |
| 12 | Develop a format for progress reports and propose it to the States/Territories/International Organizations Elaborar formato de avance de informes y proponerlo a los Estados/Territorios y Organizaciones Internacionales | Develop an agreement of high-level management of a nationwide Et OD programme Desarrollar un acuerdo de alto-nivel para gestión de un programa nacional eTOD | ICAO AIM/TF OACI AIM/TF | Agreement format Formato de acuerdo | 20182020 | Valid Valida |
| 13 | Provide and promote the aeronautical information management implementing exchange and conceptual models Proporcionar y promover la gestión de información aeronáutica implementando modelos conceptuales y de intercambio | Assist States, Territories and International Organizations in the implementation of the AICM and the AIXM Asistir a los Estados, Territorios y Organizaciones Internacionales en la implementación del AICM y el AIXM | ICAO AIM/TF OACI AIM/TF | Perform Seminar or Workshop Realizar Seminario o Taller | 2015 | Completed Completada |

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| 14 | Develop a format for States/Territories/International Organizations to have basic AIM training as a standard for all AIM employees Elaborar formato para los Estados/Territorios y Organizaciones Internacionales para obtener el entrenamiento básico oficial para todos empleados. | Assist States, Territories and International Organizations in the implementation of the AICM and the AIXM Asistir a los Estados, Territorios y Organizaciones Internacionales en la implementación del AICM y el AIXM. | ICAO AIM/TF OACI AIM/TF | Progress report format Formato de informe de avance | 2018 | Valid Valida |
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