



OACI

Organización de Aviación Civil Internacional
Oficina para Norteamérica, Centroamérica y Caribe

NOTA DE ESTUDIO

AIM/TF/6 — NE/03
15/08/23

Sexta Reunión del Grupo de Tarea para la Implementación de la Gestión de la Información Aeronáutica del Grupo de Trabajo de Norteamérica, Centroamérica y Caribe (NACC/WG) (AIM/TF/6)

Ciudad de México, México y en línea, 21 – 24 de agosto de 2023

**Cuestión 2 del
Orden del Día:**

Seguimiento de las Conclusiones y Decisiones GREPECAS/20 relevantes a la AIM, Cuadro del estado del Plan de Navegación Aérea Electrónico (eANP) por Estado y Solicitudes de asistencia dentro de la Transición AIM de los Estados

SEGUIMIENTO REALIZADO POR EL GRUPO DE TAREA DE GESTIÓN DE INFORMACIÓN AERONÁUTICA (AIM/TF) DE LA OACI NACC A LAS CONCLUSIONES Y DECISIONES DEL GREPECAS/20

(Presentada por la Relatora del AIM/TF)

RESUMEN EJECUTIVO

Esta Nota de Estudio presenta información sobre el seguimiento realizado por el AIM/TF de la OACI NACC a las Conclusiones y Decisiones del GREPECAS/20 relevantes al estado de la implementación AIM por Estado, la Tabla del Plan de Navegación Aérea electrónico (eANP) y las solicitudes de asistencia dentro de la transición AIM.

| | |
|--------------------------------|---|
| Acción: | Las acciones sugeridas se presentan en la Sección 4. |
| Objetivos Estratégicos: | <ul style="list-style-type: none">• Objetivo estratégico 1 – Seguridad Operacional• Objetivo estratégico 2 – Capacidad y eficiencia de la navegación aérea |
| Referencias: | <ul style="list-style-type: none">• Conclusiones y Decisiones del GREPECAS/20• Anexo 11 – Servicios de Tránsito Aéreo• Anexo 15 – Servicios de Información Aeronáutica• Doc 4444 – PANS-ATM• Doc 8126 – Manual de servicios de información aeronáutica• Reunión AIM/TF/05 de la OACI NACC• Vigésima Reunión del Grupo Regional de Planificación y Ejecución CAR/SAM (GREPECAS/20)• Taller de Seguimiento a la elaboración del Vol. III, de la Región SAM, 15 al 17 de noviembre de 2021• Taller virtual para la elaboración del Vol. III del Plan de Navegación Aérea (ANP) CAR/SAM para la Región CAR (CAR/SAM/ANP-VOL III) 14 al 18 de febrero de 2022• Reunión/Taller de Retroalimentación de la Industria y Asociaciones Internacionales sobre la Formulación y Gestión del Vol. III del Plan de Navegación Aérea de las Regiones CAR/SAM, en línea, 22 de marzo de 2022 |

1. Introducción

1.1 La Reunión GREPECAS/20, celebrada en Salvador Bahía, Brasil, del 16 al 18 de noviembre de 2022, trató la Cuestión del Orden del Día “2.4 Plan Regional de Navegación Aérea CAR/SAM Vol. III, Actualización del trabajo y progreso regional”, revisó el estado de implementación del Vol. III del Plan Regional de Navegación Aérea CAR/SAM (CAR/SAM e-ANP). Describió el trabajo realizado para construir los conocimientos básicos para la formulación de las tablas del Vol. III. El principal facilitador del Vol. III es la gestión de los Indicadores Clave de Rendimiento (KPI) por parte de las Administraciones.

1.2 La Región NACC ha realizado actividades con el propósito de generar capacidades en los Estados para el uso y aplicación del Vol. III y dar seguimiento a la implementación del Vol. III del e-ANP CAR/SAM.

1.3 Durante la revisión del progreso de la implementación del Vol. III del eANP CAR/SAM, la Reunión GREPECAS 20 emitió la Conclusión 20/14 **APROBACIÓN DE LA VERSIÓN INICIAL (VERSIÓN 0) DEL VOLUMEN III DEL ANP CAR/SAM, Y ACCIONES ADICIONALES PARA LA GESTIÓN Y DESARROLLO DE LA PLANIFICACIÓN BASADA EN LA PERFORMANCE**. Esta conclusión insta a los Estados a participar activamente, con la Secretaría, para completar el Vol. III mediante el uso de las "Instrucciones para el uso de la Plantilla Vol. III

1.4 La Región NACC realizó el “Taller virtual para la preparación del Volumen III del Plan de Navegación Aérea (ANP) CAR/SAM para la Región CAR (CAR/SAM/ANP-VOLIII) (14 al 18 de febrero de 2022)”. El resumen de las discusiones, así como los participantes y la Agenda desarrollada se pueden ver en el siguiente sitio web:

<https://www.icao.int/NACC/Documents/Meetings/2022/VWSVIII/eANPVolIII-SummaryOfDiscussions.pdf>

1.5 Los Estados Miembros NACC de la OACI, la Industria y Organismos Internacionales, relacionados con la prestación de servicios de navegación aérea en las Regiones CAR/SAM, están trabajando de manera conjunta y coordinada para la elaboración de las Tablas del Vol. III, aplicando el proceso del Enfoque Basado en la Performance, y considerando el método de los seis pasos, detallado en el Doc 9883 de la OACI. La Reunión es consciente de que no todos los Estados podrán completar el proceso de preparación de las Tablas y sus contribuciones para el Vol. III. No obstante, se insta a los Estados a que lo hagan.

2. Plantillas de tablas de eANP

2.1 Para asistir a los Estados en la planificación de la transición de AIS a AIM de manera expedita se crean seis tablas.

2.2 La Relatora AIM creó una hoja de Excel, con base en la información proporcionada (refiriéndose al enlace: <https://www.icao.int/NACC/Documents/Meetings/2022/AIMTF5/AIMTF5-WP06.pdf>), para ayudar a los Estados con una plantilla fácil de completar (**Apéndice A**).

2.3 La intención es que esta información se refleje también en el sitio web de seguimiento AIM, por lo que se espera que los Estados realicen actualizaciones continuas de sus datos/información (**Apéndice B**)

3. Conclusión

3.1 Los Estados miembros del AIM/TF NACC de la OACI, la Industria y las Organizaciones Internacionales, actualmente están completando las Tablas AIM del eANP en 2023, estableciendo un plan de trabajo para la actualización del Plan Electrónico de Navegación Aérea (e-ANP VOL I, II y III).

3.2 La NE/05 dio seguimiento a la Decisión de la NACC/WG/07 y solicitó la evaluación de las acciones requeridas por los diferentes NACC/WG/TF para cumplir con los requisitos del Vol. III del Plan de Navegación Aérea (ANP) CAR/SAM.

3.3 Para el desarrollo del e-ANP Volumen III del Plan Regional de Navegación Aérea CAR/SAM (e-ANP CAR/SAM), durante la NACC/WG/RAP/02 se observó lo siguiente:

- a. La implementación de los BBB, tal como se establece en el GANP y el GASP, necesita ser reforzada en varios Estados y de acuerdo con lo presentado en la NE/02 de la reunión NACC/WG/RAP/02.
- b. Dificultad para estandarizar criterios respecto a la planificación basada en el desempeño.
- c. Evidente diferencia en las capacidades de los Estados para recolectar, mantener e integrar los datos de entrada, y para la propia gestión de los indicadores KPI, según lo indicado en la NE/04 de esta reunión.
- d. Diferentes interpretaciones sobre la aplicación de la plantilla propuesta y diferente enfoque en las prioridades para las áreas clave de rendimiento (KPA).
- e. Necesidad de revisar y actualizar los Volúmenes I y II.

4. Acciones sugeridas

4.1 Se invita a la Reunión a:

- a) haga que los Estados completen, actualicen y presenten el estado del eANP mediante una plantilla y el sitio web de seguimiento del AIM en un futuro próximo.

— — — — —

APÉNDICE A
PLANTILLA DE TABLAS DEL PLAN ELECTRÓNICO DE NAVEGACIÓN AÉREA (E-ANP) VERSIÓN 1.0, CREADA EN MARZO DE 2023 PARA EL NACC/WG/AIM/TF RELACIONADO CON EL E-ANP

Ejemplo de vista de plantilla. El documento de Excel de la plantilla se puede encontrar en la página de la reunión.

| # | CAR/SAM States | IAID | AIP | NOTAM | SNOWTAM | PIB | Procedure Design | ATS | Action Plan | Remarks |
|----|--|------|-----|-------|---------|-----|------------------|-----|-------------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | Antigua and Barbuda | | | | | | | | | |
| 2 | Anguilla | | | | | | | | | |
| 3 | Bahamas | | | | | | | | | |
| 4 | Barbados | | | | | | | | | |
| 5 | Belize | | | | | | | | | |
| 6 | Canada | | | | | | | | | |
| 7 | Costa Rica | | | | | | | | | |
| 8 | Cuba | | | | | | | | | |
| 9 | Dominica | | | | | | | | | |
| 10 | Dominican Republic | | | | | | | | | |
| 11 | Dutch Caribbean (Curaçao, Aruba, Sint Maarten, Bonaire, Sint Eustatius and Saba) | | | | | | | | | |
| 12 | El Salvador | | | | | | | | | |
| 13 | Grenada | | | | | | | | | |
| 14 | Guatemala | | | | | | | | | |
| 15 | Haiti | | | | | | | | | |
| 16 | Honduras | | | | | | | | | |
| 17 | Jamaica | | | | | | | | | |
| 18 | Martinique | | | | | | | | | |
| 19 | Mexico | | | | | | | | | |
| 20 | Montserrat | | | | | | | | | |
| 21 | Nicaragua | | | | | | | | | |
| 22 | Saint Kitts and Nevis | | | | | | | | | |
| 23 | Saint Lucia | | | | | | | | | |
| 24 | Saint Vincent and the Grenadines | | | | | | | | | |
| 25 | Trinidad and Tobago | | | | | | | | | |
| 26 | United States | | | | | | | | | |

Se han creado las siguientes seis tablas, y son como en la tabla de ejemplo anterior:

1. Tabla DAIM III.1: Provisión de productos y servicios AIS/AIM basados en la Base de Datos Integrada de Información Aeronáutica (IAID)
2. Tabla DAIM III.2 Calidad de los Datos Aeronáuticos
3. TABLA DAIM-III-3 Sistema Geodésico Mundial-1984 (WGS-84)
4. Tabla DAIM-III-4-1 Provisión de conjuntos de datos de Terreno y Obstáculos para las Áreas 1 y 4 Explicación de la Tabla
5. Tabla DAIM-III-4-2 Provisión de conjuntos de datos de terreno y obstáculos para el Área 2, el área de trayectoria de despegue (TOFP) y las superficies limitadoras de obstáculos (OLS) 4
6. CUADRO DAIM-III-4-3 Provisión de conjuntos de datos de terreno y obstáculos para el Área 3 y bases de datos de mapas de aeropuertos (AMDB)

Please Type STATE NAME

DATE: _____

Table DAIM III.1 - Provision of AIS/AIM products and services based on the Integrated Aeronautical Information Database (IAID)

| # | CAR/SAM States | IAID | AIP | NOTAM | SNOWTAM | PIB | Procedure Design | ATS | Action Plan | Remarks |
|----|--|------|-----|-------|---------|-----|------------------|-----|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | Antigua and Barbuda | | | | | | | | | |
| 2 | Anguilla | FI | FI | FI | NI | NI | FI | FI | | Use of SNOWTAM for GRF reporting. |
| 3 | Bahamas | | | | | | | | | |
| 4 | Barbados | PI | PI | FC | NI | PC | NI | PI | TRAINING REQUIRED FOR "7" | 5" TO BE DEVELOPED BY FIR |
| 5 | Belize | | | | | | | | | |
| 6 | Canada | | | | | | | | | |
| 7 | Costa Rica | PI | PI | FC | PI | FC | FC | PI | See table attached | See table attached |
| 8 | Cuba | PI | PI | NI | NI | NI | PI | PI | | |
| 9 | Dominica | | | | | | | | | |
| 10 | Dominican Republic | NI | NI | NC | NI | NC | NI | NI | 2, 3, 4, 5, 6.7. 8. : Está planificada la implementación de una Solución Modular AIM (IAID). | 3, 4, 7, 8: Productos disponibles (NO IAID). |
| 11 | Dutch Caribbean (Curaçao, Aruba, Sint Maarten, Bonaire, Sint Eustatius and Saba) | FI | FI | FC | FI | FC | PI | PI | ATM System change pending | |
| 12 | El Salvador | | | | | | | | | |
| 13 | Grenada | | | | | | | | | |
| 14 | Guatemala | | | | | | | | | |
| 15 | Haiti | | | | | | | | | |
| 16 | Honduras | | | | | | | | | |
| 17 | Jamaica | FI | PI | NC | NI | PC | FI | NI | Conformance to be achieved in line with the AIS to AIM Transition Plan. Completion of all activities proposed April 2027 | |
| 18 | French Antilles (Martinique) | FI | FI | | | FI | NI | NI | New AIM System (SEPIA) planned for 2025 | NOTAM production is under TTCAA authority |
| 19 | Mexico | PI | PI | NC | NI | NC | FI | NI | | |
| 20 | Montserrat | | FI | FC | | FC | | FI | | |
| 21 | Nicaragua | | | | | | | | | |
| 22 | Saint Kitts and Nevis | NI | FI | FC | FI | FC | NI | FI | FULL IMPLEMENTATION BY END OF 2024 | PROCEDURE DESIGN IS OUTSOURCED. |
| 23 | Saint Lucia | | | | | | | | | |
| 24 | Saint Vincent and the Grenadines | NI | FI | FI | N/A | N/A | N/A | NI | | Published by PIARCO |
| 25 | Trinidad and Tobago | PI | PI | NC | NI | NI | NI | NI | Piarco AIM Department possesses software that has the capability for database integration via the IDS Aerodb platform. Within the Piarco ANSP, there is individual useage of standalone databases with respect to AIM products, Procedure Design and ATS. Piarco ANSP will conduct a needs analysis to determine the level of implementation required, review internal processes amongst internal and external stakeholders as well as engaging with existing hardware/software providers to enable the centralised database (AIP, ATS, Procedure Design, AIP, SNOWTAM, NOTAM, PIB, eTOD, AMDB). | Currently within the ANSP, there is no centralised database utilised. Individual databases are currently used. |
| 26 | United States | | | | | | | | | |

| Legend |
|--------|
| FI |
| PI |
| NI |
| N/A |
| FC |
| PC |
| NC |

| Column number | Description |
|---------------|--|
| 1 | Name of the State or territory for which the provision of AIS/AIM products and services based on the IAID is required. |
| 2 | Requirement for the implementation and designation of the authoritative IAID, shown by: FI – Fully implmented PI – Partially implmented NI – Not implmented |
| 3 | Requirement for an IAID driven AIP production, shown by: FI – Fully implmented PI – Partially implmented NI – Not implmented |
| 4 | Requirement for an IAID driven NOTAM production, shown by: FC – Fully Compliant NC – Not Compliant |
| 5 | Requirement for an IAID driven SNOWTAM processing, shown by: FI – Fully Implemented NI – Not Implemented |
| 6 | Requirement for an IAID driven PIB production, shown by: FC – Fully Compliant PC – Partially compliant NC – Not compliant |
| 7 | Requirement for Procedure design systems to be interoperable with the IAID, shown by: FI – Fully implmented PI – Partially implmented NI – Not implmented |
| 8 | Requirement for ATS systems to be interoperable with the IAID, shown by: FI – Fully implmented PI – Partially implmented NI – Not implmented |

APPENDIX B / APÉNDICE B

| | |
|-----------|--|
| 9 | Action Plan — short description of the State's Action Plan with regard to the provision of AIM products and services based on the IAID, especially for items with a "PC", "PI", "NC" or "NI" status, including planned date(s) of full compliance, as appropriate. |
| | |
| 10 | Remarks — additional information, including detail of "PC", "NC", "PI" and "NI", as appropriate. |

Please Type STATE NAME

DATE:

Table DAIM III.2 Aeronautical Data Quality

| # | CAR/SAM States | QMS | Establishment of formal agreements | Digital data exchange with originators | Metadata | Data quality monitoring | Data integrity monitoring | AIRAC adherence | Action Plan | Remarks |
|----|---|-----|------------------------------------|--|----------|-------------------------|---------------------------|-----------------|---|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | Antigua and Barbuda | | | | | | | | | |
| 2 | Anguilla | FI | FI | FI | FI | FI | FI | FI | | |
| 3 | Bahamas | | | | | | | | | |
| 4 | Barbados | NC | NC | NI | NI | NI | NI | FI | Procurement of a QMS | COST SUBMITTED IN ESTIMATES |
| 5 | Belize | | | | | | | | | |
| 6 | Canada | | | | | | | | | |
| 7 | Costa Rica | FC | FC | FI | PC | FC | FC | FC | See table attached | See table attached |
| 8 | Cuba | FI | NI | PI | PC | NC | NC | FI | Punto 3: se preve para diciembre 2023 tener los SLA | punto 4= 50% |
| 9 | Dominica | | | | | | | | | |
| 10 | Dominican Republic | FC | NI | NI | NC | NC | NC | FC | 3, 4, 5, 6, 7 :Está planificada la implementación de una Solución Modular AIM (IAID). | 2, Sistema de Calidad ISO9001 (No relacionado con IAID). |
| 11 | Dutch Caribbean (Curaçao, Aruba, Sint Maarten, Bonaire, Sint Eustatius and Saba) | PC | FC | PI | FC | FC | FC | FC | QMS certification now taking place Q1 2024 | |
| 12 | El Salvador | | | | | | | | | |
| 13 | Grenada | | | | | | | | | |
| 14 | Guatemala | | | | | | | | | |
| 15 | Haiti | | | | | | | | | |
| 16 | Honduras | | | | | | | | | |
| 17 | Jamaica | NC | PC | PI | PI | PC | PC | FC | Conformance to be achieved in line with the AIS to AIM Transition Plan. Completion of all activites proposed April 2027 | |
| 18 | French Antilles (Martinique) | FI | FI | FI | FI | FI | FI | FI | | |
| 19 | Mexico | FC | PC | NI | NC | FC | FC | FC | | |
| 20 | Montserrat | | | | | | | | | |
| 21 | Nicaragua | | | | | | | | | |
| 22 | Saint Kitts and Nevis | NC | NC | FI | NC | FC | FC | FC | QMS, IMPLEMENTATION FORMAL AGREEMENTS AND METADATA BY MID 2024. | |
| 23 | Saint Lucia | | | | | | | | | |
| 24 | Saint Vincent and the Grenadines | NI | NI | NI | PI | PI | PI | FC | Continue to work along with ECCAA | Schedule completion in Sept/Oct 2023 |
| 25 | Trinidad and Tobago | FC | FC | PI | PC | FC | PC | FC | Digital Data exchange with originators: Currently the eAIP has been created and is undergoing testing. For other datasets, the AIM Department will investigate work processes, to determine whether the products/ datasets are digitised, i.e. digital NOTAM, eTOD, Electronic charting. Afterwhich,software provider will be engaged to update software when needed, and point persons will be determined for training. Training will then be conducted by software provider to allow for conversion of datasets into digital data and by extension the exchange of digital data with originators. Meta Data: AIM Department to formally advise data originators to supply meta data in accordance with ICAO requirements (Doc 8126). Data integrity monitoring: The data originator has the responsibility for integrity monitoring and provision of quality data. Piarco AIM is currently awaiting system updates to accommodate integrity monitoring. | Establishment of formal agreements: Updating current agreements and establishing agreements with new data originators. QMS: Currently the TTCAA - AIM has a Certified ISO 9001:2015 QMS and an ANS QMS, compliant with the local TTCARs requirements for safety and security. In the near future, the TTCAA plans to have an integrated QMS that will include the safety and security requirements of ISO 9001:2015 QMS. |
| 26 | United States | | | | | | | | | |

| Legend | Column number | Description |
|--------|---------------|---|
| FI | 1 | Name of the State or territory |
| PI | | |
| NI | 2 | Compliance with the requirement for implementation of QMS for Aeronautical Information Services including safety and security objectives, shown by: FC – Fully compliant NC – Not compliant |
| N/A | | |
| FC | 3 | Compliance with the requirement for the establishment of formal arrangements with approved data originators concerning aeronautical data quality, shown by: FC – Fully compliant PC – Partially compliant NC – Not compliant |
| PC | | |
| NC | 4 | Implementation of digital data exchange with originators, shown by: FI – Fully implemented PI – Partially implemented NI – Not implemented |
| | | Note 1 – Information providing detail of "PI" and "NI" should be given in the Remarks column (percentage of implementation). |
| | 5 | Compliance with the requirement for metadata, shown by: FC – Fully compliant PC – Partially compliant NC – Not compliant |
| | 6 | Compliance with the requirements related to aeronautical data quality monitoring (accuracy, resolution, timeliness, completeness), shown by: FC – Fully compliant PC – Partially compliant NC – Not compliant |
| | 7 | Compliance with the requirements related to aeronautical data integrity monitoring, shown by: FC – Fully compliant PC – Partially compliant NC – Not compliant |
| | 8 | Compliance with the requirements related to the AIRAC adherence, shown by: FC – Fully compliant NC – Not compliant |
| | 9 | Action Plan – short description of the State's Action Plan with regard to aeronautical data quality requirements implementation, especially for items with a "PC", "PI", "NC" or "NI" status, including planned date(s) of full compliance, as appropriate. |
| | 10 | Remarks – additional information, including detail of "PC", "NC", "PI" and "NI", as appropriate |

APPENDIX B / APÉNDICE B

Please Type STATE NAME

DATE: _____

Table DAIM-III-3 World Geodetic System-1984 (WGS-84)

| # | CAR/SAM States | FIR/ENR | Terminal | AD | GUND | Action Plan | Remarks |
|----|--|---------|----------|----|------|---|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Antigua and Barbuda | | | | | | |
| 2 | Anguilla | FI | FI | FI | FI | | |
| 3 | Bahamas | | | | | | |
| 4 | Barbados | N/A | FC | FC | FC | | |
| 5 | Belize | | | | | | |
| 6 | Canada | | | | | | |
| 7 | Costa Rica | FC | FC | FC | FC | | |
| 8 | Cuba | FC | FC | FC | FC | | |
| 9 | Dominica | | | | | | |
| 10 | Dominican Republic | FC | FC | FC | FC | 2, 3, 4, 5: Está planificada la implementación de una Solución Modular AIM (IAID). | 2, 3, 4, 5, Datos ofrecidos en formato impreso (PDF). |
| 11 | Dutch Caribbean (Curaçao, Aruba, Sint Maarten, Bonaire, Sint Eustatius and Saba) | FC | FC | FC | FC | | |
| 12 | El Salvador | | | | | | |
| 13 | Grenada | | | | | | |
| 14 | Guatemala | | | | | | |
| 15 | Haiti | | | | | | |
| 16 | Honduras | | | | | | |
| 17 | Jamaica | FC | FC | FC | FC | | |
| 18 | French Antilles (Martinique) | FI | FI | FI | FI | | |
| 19 | Mexico | FC | FC | FC | FC | | |
| 20 | Montserrat | | | | | | |
| 21 | Nicaragua | | | | | | |
| 22 | Saint Kitts and Nevis | N/A | FC | FC | NC | UNABLE TO SET DATES. STATE WILL HAVE TO ARRANGE FOR SURVEYS TO BE DONE. | OUR VERTICAL LIMIT IS SMALL AND SO WILL NOT APPLY TO US. |
| 23 | Saint Lucia | | | | | | |
| 24 | Saint Vincent and the Grenadines | NI | PI | NI | NI | Unable to provide at this time | |
| 25 | Trinidad and Tobago | FC | FC | FC | NC | Geoidal Undulation: AIM Department to request geoidal undulation information from data originators, to be published in eAIP. AIM Geomatics Unit to include geoidal undulation for obstacles within the aerodrome (as well as Approach and Departure Paths). Publications Unit to plan the format for publishing in the AIP. | FIR/ENR: Trinidad and Tobago is responsible for Piarco FIR/ ENR coordinate format (WGS84), including the TMAs of Trinidad and Tobago, but excluding the TMAs which belong to Eastern Caribbean States. |
| 26 | United States | | | | | | |

| Legend |
|--------|
| FI |
| PI |
| NI |
| N/A |
| FC |
| PC |
| NC |

| Column number | Description |
|---------------|---|
| 1 | Name of the State or territory for which implementation of WGS-84 is required |
| 2 | Compliance with the requirements for implementation of WGS-84 for FIR and En-route points, shown by: FC – Fully compliant PC – Partially compliant NC – Not compliant |
| 3 | Compliance with the requirements for implementation of WGS-84 for Terminal Areas (arrival, departure and instrument approach procedures), shown by: FC – Fully compliant PC – Partially compliant NC – Not compliant |
| 4 | Compliance with the requirements for implementation of WGS-84 for Aerodrome, shown by: FC – Fully compliant PC – Partially compliant NC – Not compliant |
| 5 | Compliance with the requirements for implementation of Geoid Undulation, shown by: FC – Fully compliant PC – Partially compliant NC – Not compliant |
| 6 | Action Plan – short description of the State's Action Plan with regard to aeronautical data quality requirements implementation, especially for items with a "PC", "PI", "NC" or "NI" status, including planned date(s) of full compliance, as appropriate. |
| 7 | Remarks – additional information, including detail of "PC", "NC", "PI" and "NI", as appropriate |

APPENDIX B / APÉNDICE B

Please Type STATE NAME

DATE: _____

Table DAIM-III-4-1 Provision of Terrain and Obstacle data sets for Areas 1 and 4 Explanation of the Table

| # | CAR/SAM States | Terrain data sets | | Obstacle data sets | | Action Plan | Remarks |
|----|--|-------------------|--------|--------------------|--------|---|--|
| | | Area 1 | Area 4 | Area 1 | Area 4 | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Antigua and Barbuda | | | | | | |
| 2 | Anguilla | FI | FI | FI | FI | | |
| 3 | Bahamas | | | | | | |
| 4 | Barbados | NC | NC | NC | NC | TO BE DEVELOPED | TRAINING REQUIRED |
| 5 | Belize | | | | | | |
| 6 | Canada | | | | | | |
| 7 | Costa Rica | FC | N/A | FC | N/A | | |
| 8 | Cuba | FC | N/A | FC | N/A | | NO CONTAMOS CON PISTAS PARA APROXIMACIONES DE PRECISION DE CATEGORIA II o III |
| 9 | Dominica | | | | | | |
| 10 | Dominican Republic | NC | N/A | NC | N/A | 2, 4: Está planificado un levantamiento electrónico de terreno y obstáculo (TOD). | |
| 11 | Dutch Caribbean (Curaçao, Aruba, Sint Maarten, Bonaire, Sint Eustatius and Saba) | FC | N/A | FC | N/A | CAT I applicable | |
| 12 | El Salvador | | | | | | |
| 13 | Grenada | | | | | | |
| 14 | Guatemala | | | | | | |
| 15 | Haiti | | | | | | |
| 16 | Honduras | | | | | | |
| 17 | Jamaica | FC | PC | PC | N/A | | |
| 18 | French Antilles (Martinique) | FI | N/A | FI | N/A | | Terrain and obstacles data sets only for TFFF and TFFR |
| 19 | Mexico | FC | NC | NC | NC | | |
| 20 | Montserrat | | | | | | |
| 21 | Nicaragua | | | | | | |
| 22 | Saint Kitts and Nevis | NC | NC | NC | NC | UNABLE TO SET DATES. | STATE HAS TO CONDUCT SURVEYS. |
| 23 | Saint Lucia | | | | | | |
| 24 | Saint Vincent and the Grenadines | NI | NI | NI | NI | Unable to provide at tis time | |
| 25 | Trinidad and Tobago | FC | N/A | FC | N/A | | Trinidad and Tobago has a Precision Approach Category I Code 4 Runway, Area 4 is not required. |
| 26 | United States | | | | | | |

| Legend |
|--------|
| FI |
| PI |
| NI |
| FC |
| PC |
| NC |

| Column number | Description |
|---------------|---|
| 1 | Name of the State or territory for which Terrain and Obstacle data sets for Areas 1 and 4 are required. |
| 2 | Compliance with requirement for the provision of Terrain data sets for Area 1, shown by: FC – Fully compliant PC – Partially compliant NC – Not compliant |
| 3 | Compliance with requirement for the provision of Terrain data sets for Area 4, shown by: FC – Fully compliant PC – Partially compliant NC – Not compliant |
| 4 | Compliance with requirement for the provision of Obstacle data sets for Area 1, shown by: FC – Fully compliant PC – Partially compliant NC – Not compliant |
| 5 | Compliance with requirement for the provision of Obstacle data sets for Area 4, shown by: FC – Fully compliant PC – Partially compliant NC – Not compliant N/A – Not Applicable |
| 6 | Action Plan — short description of the State's Action Plan with regard to aeronautical data quality requirements implementation, especially for items with a "PC", "PI", "NC" or "NI" status, including planned date(s) of full compliance, as appropriate. |
| 7 | Remarks — additional information, including detail of "PC", "NC", "PI" and "NI", as appropriate |

APPENDIX B / APÉNDICE B

Please Type STATE NAME

DATE:

Table DAIM-III-4-2 Provision of Terrain and Obstacle data sets for Area 2, the take-off flight path area (TOPP) and the obstacle limitation surfaces (OLS)

| # | CAR/SAM States | Terrain data sets | | | | | | Obstacle data sets | | | | | | Action Plan | Remarks | |
|----|--|-------------------|---------|---------|---------|------|-----|--------------------|---------|---------|---------|------|-----|---|------------------------------|----|
| | | Area 2a | Area 2b | Area 2c | Area 2d | TOPP | OLS | Area 2a | 2b Area | Area 2c | Area 2d | TOPP | OLS | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Antigua and Barbuda | | | | | | | | | | | | | | | |
| 2 | Anguilla | FI | FI | FI | FI | FI | FI | FI | FI | FI | FI | FI | FI | | | |
| 3 | Bahamas | | | | | | | | | | | | | | | |
| 4 | Barbados | NC | NC | NI | NI | NI | NI | NC | NI | NI | NI | NI | NI | TO BE DEVELOPED | | |
| 5 | Belize | | | | | | | | | | | | | | | |
| 6 | Canada | | | | | | | | | | | | | | | |
| 7 | Costa Rica | FC | N/A | FC | N/A | FI | FI | FI | FI | FI | FI | NI | FI | See table attached | See table attached | |
| 8 | Cuba | FC | N/A | FI | N/A | FI | FI | FI | FI | FI | FI | FI | FI | | | |
| 9 | Dominica | | | | | | | | | | | | | | | |
| 10 | Dominican Republic | NC | NC | NI | NI | NI | NI | NC | NI | NI | NI | NI | NI | 2-13: Está planificado un levantamiento electrónico de terreno y obstáculo (TODS) | | |
| 11 | Dutch Caribbean (Curaçao, Aruba, Sint Maarten, Bonaire, Sint Eustatius and Saba) | FI | FI | FI | FI | FI | FI | FI | FI | FI | FI | FI | FI | | | |
| 12 | El Salvador | | | | | | | | | | | | | | | |
| 13 | Grenada | | | | | | | | | | | | | | | |
| 14 | Guatemala | | | | | | | | | | | | | | | |
| 15 | Haiti | | | | | | | | | | | | | | | |
| 16 | Honduras | | | | | | | | | | | | | | | |
| 17 | Jamaica | FC | N/A | FC | PC | FC | FC | FC | FC | FC | FC | FC | FC | Column 5 and 13. Not available for portions of Area 2d and Outer Horizontal Surface. | | |
| 18 | French Antilles (Martinique) | FI | N/A | FI | N/A | FI | FI | FI | FI | FI | FI | FI | FI | Terrain and obstacles data sets only for TFFR and TFFR Area 2d - see CAR SAM NAM AIP JENR 5.4 | | |
| 19 | Mexico | NC | NC | NI | NI | NI | NI | NC | NI | NI | NI | NI | FI | | | |
| 20 | Montserrat | | | | | | | | | | | | | | | |
| 21 | Nicaragua | | | | | | | | | | | | | | | |
| 22 | Saint Kitts and Nevis | NC | NC | NI | NI | NI | NI | NC | NI | NI | NI | NI | NI | UNABLE TO SET DATES | STATE HAS TO CONDUCT SURVEYS | |
| 23 | Saint Lucia | | | | | | | | | | | | | | | |
| 24 | Saint Vincent and the Grenadines | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | NI | Unable to provide one at this time. | | |
| 25 | Trinidad and Tobago | FC | N/A | FI | N/A | FI | NI | FC | FI | FI | FI | FI | FI | The AIM-Geomatics Unit, to evaluate existing DTM (terrain) models against OLS. | | |
| 26 | United States | | | | | | | | | | | | | | | |

| | |
|-----|-----------------------|
| FI | Fully implemented |
| FI | Partially implemented |
| NI | Not implemented |
| N/A | Not Applicable |
| FC | Fully compliant |
| PC | Partially compliant |
| NC | Not compliant |

| Column number | Description |
|---------------|---|
| 1 | Name of the State or territory for which Terrain and Obstacle data sets for Area 2 are required. |
| 2 | Compliance with requirement for the provision of Terrain data sets for Area 2a, shown by: FC - Fully compliant PC - Partially compliant NC - Not compliant |
| 3 | Compliance with requirement for the provision of Terrain data sets for Area 2b, shown by: FC - Fully compliant PC - Partially compliant NC - Not compliant |
| 4 | Compliance with requirement for the provision of Terrain data sets for Area 2c, shown by: FI - Fully implemented PI - Partially implemented NI - Not implemented N/A - Not Applicable |
| 5 | Compliance with requirement for the provision of Terrain data sets for Area 2d, shown by: FI - Fully implemented PI - Partially implemented NI - Not implemented N/A - Not Applicable |
| 6 | Compliance with requirement for the provision of Terrain data sets for the takeoff flight path area (TOPP), shown by: FI - Fully implemented PI - Partially implemented NI - Not implemented N/A - Not Applicable |
| 7 | Compliance with requirement for the provision of Terrain data sets for the Obstacle Limitation Surfaces (OLS) shown by: FI - Fully implemented PI - Partially implemented NI - Not implemented N/A - Not Applicable |
| 8 | Compliance with requirement for the provision of Obstacle data sets for Area 2a, shown by: FC - Fully compliant PC - Partially compliant NC - Not compliant |
| 9 | Compliance with requirement for the provision of Obstacle data sets for Area 2b, shown by: FI - Fully implemented PI - Partially implemented NI - Not implemented N/A - Not Applicable |
| 10 | Compliance with requirement for the provision of Obstacle data sets for Area 2c, shown by: FI - Fully implemented PI - Partially implemented NI - Not implemented N/A - Not Applicable |
| 11 | Compliance with requirement for the provision of Obstacle data sets for Area 2d, shown by: FI - Fully implemented PI - Partially implemented NI - Not implemented N/A - Not Applicable |
| 12 | Compliance with requirement for the provision of Obstacle data sets for the takeoff flight path area (TOPP), shown by: FI - Fully implemented PI - Partially implemented NI - Not implemented N/A - Not Applicable |
| 13 | Compliance with requirement for the provision of Obstacle data sets for the obstacle limitation surfaces (OLS), shown by: FI - Fully implemented PI - Partially implemented NI - Not implemented N/A - Not Applicable |
| 14 | Action Plan - short description of the State's Action Plan with regard to aeronautical data quality requirements implementation, especially for items with a "FC", "PI", "NC" or "NI" status, including planned date(s) of full compliance, as appropriate. |
| 15 | Remarks - additional information, including detail of "FC", "NC", "PI" and "NI", as appropriate. |

APPENDIX B / APÉNDICE B

Please Type STATE NAME

DATE: _____

Table DAIM-III-4-3 Provision of Terrain and Obstacle data sets for Area 3 and Airport Mapping Databases (AMDB)

| # | CAR/SAM States | Terrain data sets (Area 3) | Obstacle data sets (Area 3) | AMDB | Action Plan | Remarks |
|----|--|----------------------------|-----------------------------|------|---|--|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Antigua and Barbuda | | | | | |
| 2 | Anguilla | FI | FI | FI | | |
| 3 | Bahamas | | | | | |
| 4 | Barbados | NI | NI | NI | TO BE DEVELOPED | TRAINING REQUIRED |
| 5 | Belize | | | | | |
| 6 | Canada | | | | | |
| 7 | Costa Rica | NI | NI | PI | see table attached | see table attached |
| 8 | Cuba | FI | FI | NI | Se prevee elaborar un plan de accion para los proximos años continuar AMDB con el resto de AD Inter / Area 3 solo se realiza en los AD de La Habana MUHA y Varadero MUVR | AMDB en NOV 2023 para AD La Habana |
| 9 | Dominica | | | | | |
| 10 | Dominican Republic | NI | NI | NI | 2, 3, 4: Está planificado un levantamiento electrónico de terreno y obstáculo (TOD). | |
| 11 | Dutch Caribbean (Curaçao, Aruba, Sint Maarten, Bonaire, Sint Eustatius and Saba) | FI | FI | PI | | |
| 12 | El Salvador | | | | | |
| 13 | Grenada | | | | | |
| 14 | Guatemala | | | | | |
| 15 | Haiti | | | | | |
| 16 | Honduras | | | | | |
| 17 | Jamaica | FI | FI | NI | Conformance to be achieved in line with the AIS to AIM Transition Plan. Completion of all activities proposed April 2027 | |
| 18 | French Antilles (Martinique) | FI | FI | FI | | Terrain and obstacles data sets only for TFFF and TFFR |
| 19 | Mexico | NI | NI | NI | | |
| 20 | Montserrat | | | | | |
| 21 | Nicaragua | | | | | |
| 22 | Saint Kitts and Nevis | NI | NI | NI | UNABLE TO SET DATES. | STATE HAS TO CONDUCT SURVEYS. |
| 23 | Saint Lucia | | | | | |
| 24 | Saint Vincent and the Grenadines | NI | NI | NI | Unable to provide at this time. | |
| 25 | Trinidad and Tobago | FI | FI | | The airport operator has the responsibility to provide the Airport Mapping Database. The AIM Department will engage the Airport Authority of Trinidad and Tobago to acquire this information. | Piarco AIM to engage AATT to obtain update. |
| 26 | United States | | | | | |

| Legend |
|--------|
| FI |
| PI |
| NI |
| N/A |
| FC |
| PC |
| NC |

| Column number | Description |
|---------------|---|
| 1 | Name of the State or territory for which Terrain and Obstacle data sets for Area 3 and AMDB are required. |
| 2 | Compliance with requirement for the provision of Terrain data sets for Area 3, shown by: FI – Fully implemented PI – Partially implemented NI – Not implemented N/A – Not Applicable |
| 3 | Compliance with requirement for the provision of Obstacle data sets for Area 3, shown by: FI – Fully implemented PI – Partially implemented NI – Not implemented N/A – Not Applicable |
| 4 | Implementation of AMDB, shown by: FI – Fully implemented PI – Partially implemented NI – Not implemented N/A – Not Applicable |
| 5 | Action Plan — short description of the State's Action Plan with regard to aeronautical data quality requirements implementation, especially for items with a "PC", "PI", "NC" or "NI" status, including planned date(s) of full compliance, as appropriate. |
| 6 | Remarks — additional information, including detail of "PC", "NC", "PI" and "NI", as appropriate |