



OACI

ORGANIZACIÓN DE AVIACIÓN CIVIL INTERNACIONAL

ORGANISMO ESPECIALIZADO
DE LA ONU





METEOROLOGY PANEL



Identification of ICAO guidance material related to the issue of the Meteorological Authority

30 October to 01 November 2023

Presented by Rodrigo Fajardo Rossel





METEOROLOGY PANEL



Content

- Bottom
- Latest Developments
- Findings from the literature review
- Conclusion
- Draft actions





Background

- The issue of "meteorological authority" addressed by WS-03 over the past few years
- WG-MCRGG/7 (2021) progress report >> Action 7/1 and Decision 7/1
- Proposed amendment to ICAO Annex 3 plus consequential amendments to other Annexes and PANS
 - Redefining "Meteorological Authority"
 - New definition of "meteorological service provider"
- METP/5 approved the proposals to be included as part of Amendment 81 to Annex 3 (see Recommendation 8/1 of METP/5)
 - Implementation planned for November 2023 >> Postponed by the ANC until November 2024
- WG-MCRGG/7 requested the identification of guidance material that would be affected by the amendment to ICAO provisions (see Action 7/1).



Latest Developments

- Composition of the ad hoc group WS-03:
 - Greg Brock (lead), Mike Berechree, Claudia Ribero and Rodrigo Fajardo
- Work supported by the Secretariat and ICAO consultant as needed
 - Jun Ryuzaki and Olli Turpeinen
- August to December 2021 Literature review of ICAO guidance material (not regulations), especially manuals, of full or partial relevance to aeronautical meteorology.
 - the extent to which they explicitly or implicitly refer to "meteorological authority", "meteorological service providers" and/or derivatives thereof (e.g. "between the authorities concerned" or "between the service providers concerned"); and
 - the extent to which wording needs to be added, deleted, or revised to accommodate new and updated definitions



Findings of the literature review

- 27 ICAO publications reviewed by the WS-03 Ad hoc Group
 - One-third require revision (to a greater or lesser extent)
 - Two-thirds do not require revision



| ICAO Doc | <u>Large number of revisions and medium complexity.</u> | <u>Small number of revisions and low complexity.</u> | No revision required |
|-----------------------------------|---|--|---|
| Meteorology-specific publications | 8896* 9377 | 9691 9766 9817 9837 10003 | 9328 10100 |
| Other publications | — | 9161 9426 | 9082 9137 9184 9365 9562 9640 9735 9760 9855 9859 9931 9965 9971 9993 9974 10070 |

* Include guidance regarding the meteorological authority's aeronautical meteorology competency.



Conclusion

- Revision (small/large number of changes, low/medium complexity) of 9 of the 29 revised ICAO publications is required
- No review required for 18 of the 27 revised ICAO publications
- Subject to the outcome of WG-MCRGG/9, it is necessary for the WS-03 AHG to undertake the development of new and updated guidance material for the nine ICAO publications in question, for submission:
 - Either to the WG-MCRGG meeting in 2023
 - Or direct to the ICAO Secretariat in 2023



Action project

The differences between the two options are **highlighted** only for an effect

Action MCRGG9/x – Revision of ICAO guidance material associated with the definitions of "meteorological authority" and "meteorological service provider"”

That the ad hoc group WG-MCRGG WS-03, with the assistance of the ICAO Secretariat, undertake the drafting of revisions to the ICAO guidance material associated with the redefinition of "meteorological authority" and the new definition of "meteorological service provider" (link to ICAO Annex 3 Amendment 81) **in time for consideration at a meeting of the WG-MCRGG in 2023.**

Note. — The ICAO guidance material to be reviewed includes Docs 8896, 9161, 9377, 9426, 9691, 9766, 9817, 9837 and 10003 based on a 2021 literature review by the ad hoc group WG-MCRGG WS-03.

Or

Action MCRGG9/x – Revision of ICAO guidance material associated with the definitions of "meteorological authority" and "meteorological service provider"”

That the ad hoc group WG-MCRGG WS-03, with the assistance of the ICAO Secretariat, undertake the drafting of revisions to the ICAO guidance material associated with the redefinition of "meteorological authority" and the new definition of "meteorological service provider" (linked to Amendment 81 of ICAO Annex 3) **for submission in 2023 directly to the ICAO Secretariat for processing and publication (i.e., no interim review by the WG-MCRGG) is necessary).**

Note. — The ICAO guidance material to be reviewed includes Docs 8896, 9161, 9377, 9426, 9691, 9766, 9817, 9837 and 10003 based on a 2021 literature review by the ad hoc group WG-MCRGG WS-03..

RESUMEN DE HALLAZGOS SOBRE LA IDENTIFICACIÓN DEL MATERIAL DE ORIENTACIÓN DE LA OACI IMPACTADO POR LA REDEFINICIÓN DE “AUTORIDAD METEOROLÓGICA” Y NUEVAS DEFINICIÓN DE “PROVEEDOR DE SERVICIOS METEOROLÓGICOS”

| No Doc OACI | Título de la publicación | Requiere Revisión (Si/No) | En caso afirmativo a (3), alcance de la revisión requerida (Pequeño o Mediano o Grande) (1) | En caso afirmativo a (3), complejidad de la revisión requerida (Bajo o Medio o Alto) (2) |
|--|--|---------------------------|---|--|
| (1) | (2) | (3) | (4) | (5) |
| Publicaciones específicas de meteorología | | | | |
| 8896 | Manual de aeronáutica Práctica meteorológica (2021) | si | Grande | Medio |
| 9328 | Manual de alcance visual en pista Prácticas de observación y presentación de informes (2018) | no | - | - |
| 9377 | Manual de Coordinación entre Aéreos Servicios de Tráfico, Aeronáutica Servicios de Información y Aeronáutica Servicios Meteorológicos (2018) | si | Grande | Medio |
| 9691 | Manual sobre cenizas volcánicas radiactivas Nubes materiales y químicas tóxicas (2021) | no | Pequeño | Bajo |
| 9766 | Manual sobre las vías aéreas internacionales Vigilancia de volcanes (IAVW): operativa Trámites y Lista de Contactos (2020) | Si | Pequeño | Bajo |
| 9817 | Manual sobre cizalladura del viento en niveles bajos (2021) | Si | Pequeño | Bajo |
| 9837 | Manual de Meteorología Automática Sistemas de observación en aeródromos (2017) | Si | Pequeño | Bajo |
| 10003 | Manual de Meteorología de la OACI Modelo de Intercambio de Información (2019) | Si | Pequeño | Bajo |
| 10100 | Manual de información meteorológica espacial en apoyo de la aviación internacional Navegación (2019) | No | - | - |

| No Doc OACI | Título de la publicación | Requiere Revisión (Si/No) | En caso afirmativo a (3), alcance de la revisión requerida (Pequeño o Mediano o Grande) | En caso afirmativo a (3), complejidad de la revisión requerida (Bajo o Medio o Alto) |
|----------------------------|---|---------------------------|---|--|
| (1) | (2) | (3) | (4) | (5) |
| Otras Publicaciones | | | | |
| 9082 | Políticas de la OACI para aeropuertos y aire Servicios de navegación (2012) | no | - | - |
| 9137 | Manual de servicios aeroportuarios (1983) | no | - | - |
| 9161 | Manual de servicios aeroportuarios (1983) | si | Pequeño | Bajo |
| 9184 | Manual de planificación aeroportuaria Parte 1 (1987), Parte 2 (2018) y Parte 3 (1983) | no | - | - |
| 9365 | Manual de operaciones para todo clima (2017) | no | - | - |
| 9426 | Manual de planificación de servicios de tránsito aéreo (1992) | Si | Pequeño | Bajo |
| 9562 | Manual de economía aeroportuaria (2020) | no | - | - |
| 9640 | Manual de desmontaje en tierra de aeronaves Operaciones de formación de hielo/antihielo (2018) | no | - | - |
| 9735 | Auditoría Universal de Vigilancia de la Seguridad Monitoreo continuo del programa Manual (2014) | no | - | - |
| 9760 | Manual de Aeronavegabilidad (2020) | No | - | - |
| 9855 | Directrices sobre el uso del público Internet para Aplicaciones Aeronáuticas (2005) | No | - | - |
| 9859 | Manual de Gestión de Seguridad (2018) | no | - | - |

| No Doc OACI | Título de la publicación | Requiere Revisión (Si/No) | En caso afirmativo a (3), alcance de la revisión requerida (Pequeño o Mediano o Grande) | En caso afirmativo a (3), complejidad de la revisión requerida (Bajo o Medio o Alto) |
|----------------------------|--|---------------------------------|--|---|
| (1) | (2) | (3) | (4) | (5) |
| Otras Publicaciones | | | | |
| 9931 | Manual Operaciones de descenso continuo (CDO) (2010) | no | - | - |
| 9965 | Manual de vuelo y flujo — Información para una colaborativa Medio Ambiente (FF-ICE) (2012) | no | - | - |
| 9971 | Manual de Tráfico Aéreo Colaborativo Gestión de flujo (2018) | no | - | - |
| 9993 | Manual Operaciones de ascenso continuo (CCO) (2013) | no | - | - |
| 9974 | Seguridad de vuelo y ceniza volcánica (2012) | no | - | - |
| 10070 | Manual sobre las Competencias de los Civiles Inspectores de seguridad aérea (2016) | no | - | - |



METEOROLOGY PANEL



Thank you

