



ICAO

# INTERNATIONAL CIVIL AVIATION ORGANIZATION

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# Progress report of the NACC/WG MET/Task Force

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Aeronautical Meteorology and Environmental protection

27 Jul 2023

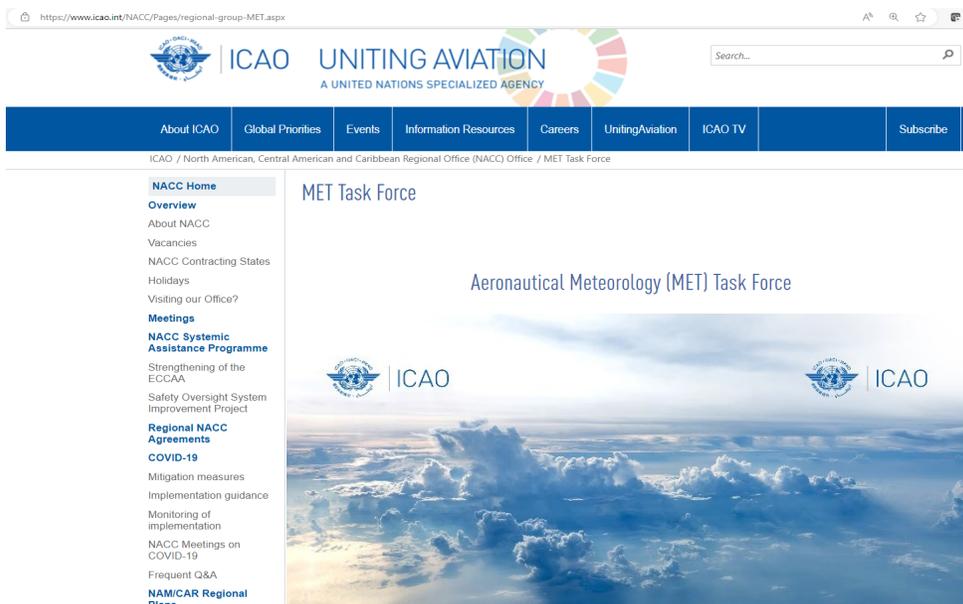
# MET/TF Establishment

## The NACC/WG

- Regional implementation mechanism for the NAM/CAR Regions,
- integrates all the Task Forces in the different ANS areas,
- mechanism through which the region reports its implementation status to the GREPECAS.

## NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN WORKING GROUP (NACC/WG)

### Membership



[MET Task Force \(icao.int\)](https://www.icao.int)

NACC/WG/7 requested the establishment of the MET/TF in December 2022.

MET/TF have been operating since February 2023.

On-line and remote work entirely due to NACC RO financial constrains

# MET/TF Objectives

- ✓ Promote the implementation of MET service for international air navigation as provided by Annex 3, included in the eANPs and under the BBBs and ASBU frameworks.
- ✓ Ensure the continuous and coherent development of the MET component of the NAM and CAR/SAM e-ANPs and their harmonized implementation within adjacent regions.
- ✓ Develop effective methods to determine the implementation status of the ASBU Block-0 and Block-1 elements and BBBs, to monitor the performance of the MET services on a cyclical annual basis.
- ✓ Enhance the States' capabilities concerning safety oversight of MET Service providers.
- ✓ Identify and support the resolution of air navigation deficiencies in the aeronautical meteorological (MET) services.



:/Pages/meetings-2023-mettf01.aspx

About NACC  
Vacancies  
NACC Contracting States  
Holidays  
Visiting our Office?

**Meetings**

**NACC Systemic Assistance Programme**

Strengthening of the ECCAA  
Safety Oversight System Improvement Project

**Regional NACC Agreements**

**COVID-19**

Mitigation measures  
Implementation guidance  
Monitoring of implementation  
NACC Meetings on COVID-19  
Frequent Q&A

**NAM/CAR Regional Plans**

National Air Navigation Plan (NANP)  
Regional Aviation Safety Plan

**Regional Groups**

Safety Awareness Week  
GREPECAS  
NACC/WG  
RASG-PA  
NACC/DCA

**Primera Reunión del Grupo de Tarea (TF) de Meteorología (MET) del Grupo de Trabajo de Norteamérica, Centroamérica y Caribe (NACC/WG) (MET/TF/01)**

En línea, 16 de marzo de 2023, de 08:00 a 10:00 HLC Ciudad de México (14:00 –UTC)  
**- EDICIÓN EN ESPAÑOL -**

First Meeting of the North American, Central American and Caribbean Working Group (NACC/WG) Meteorology (MET) Task Force (TF) (MET/TF/01)

On-line, 16 March 2023 from 12:00 to 14:00 Mexico City Local Time (18:00 –UTC)  
**- ENGLISH EDITION -**

Documents

Invitation Letter	(EN)	(SP)
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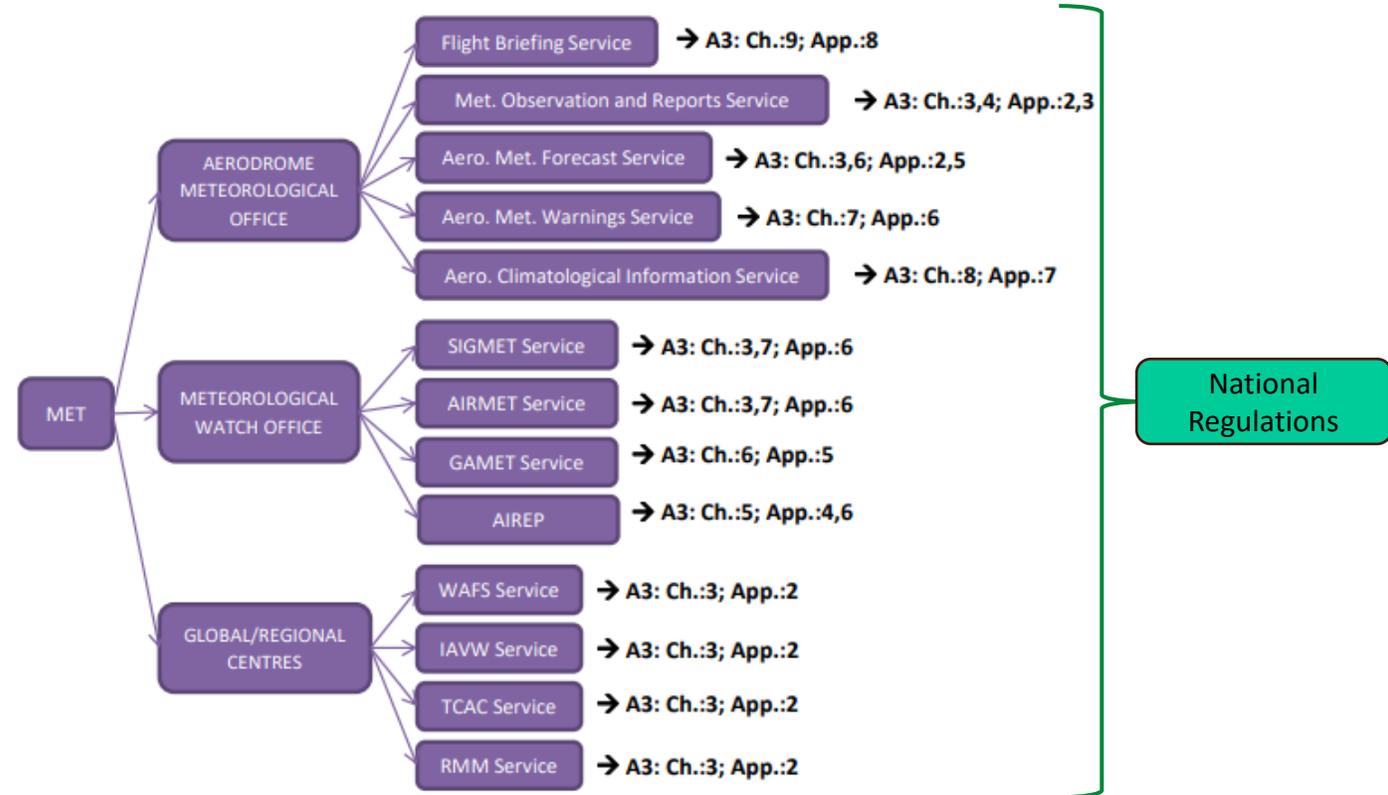
Working Papers

#	Item	Title	Date	Language	
WP/01	1	Adoption of the Provisional Agenda and Schedule / Adopción del Orden del Día Provisional y del Horario, Presented by the Secretariat.	--	(EN)	(SP)
WP/02	2	Review of the Aeronautical meteorology Task Force (MET/TF) Programme / Revisión del Programa de Trabajo del Grupo de Tarea Meteorología Aeronáutica (MET/TF), Presented by the Secretariat.	--	(EN)	(SP)
WP/03	4	Terms of Reference (ToRs) of the Aeronautical Meteorology Task Force (MET/TF) / Términos de Referencia (ToR) del Grupo de Tarea Meteorología Aeronáutica (MET/TF), Presented by the Secretariat.	--	(EN)	(SP)

[MET/TF/01 \(icao.int\)](https://www.icao.int/MET/TF/01)

Two-tier approach is needed:

- ✓ provide support to States on the establishment and implementation of the necessary safety oversight system;
- ✓ in support to the States' safety oversight activities, assist the MET service providers by explaining the requirements for the ICAO MET-related SARPs (expected to be captured by the national regulations) and ensuring that a minimum level of services according to the eANP' requirements is achieved.



## MET/TF work programme

Reference	Description of the deliverable
Annex 3 GANP e-ANP	Revisit the foundational cores of the Meteorological Services for International Air Navigation and its evolution
Annex 3 ICAO Guidance Material	Disseminate provisions related to the implementation of OPMET Data Exchange under IWXXM
Annex 3 GANP e-ANP ICAO Guidance Material	Revisit the ICAO provisions related to meteorological authority, quality assurance, State safety oversight responsibilities and functions, competency training and qualifications for aeronautical meteorological personnel
Annex 3 e-ANP	Analyse the current CAR/SAM provisions on SIGMET.
Annex 3 e-ANP ICAO Guidance Material	Conduct a Regional SIGMET analysis and develop guidance material
Annex 3 ICAO Guidance Material	Dissemination and analysis of the MET-SWIM Plan and the MET-SWIM Roadmap
Annex 3 GANP e-ANP BBB / ASBU Frameworks	Assist the verification of the national and regional MET systems and essential services
GANP e-ANP	Review the e-ANP Vol I and Vol II MET Tables and draft the corresponding Proposal for Amendment
GANP ASBU Framework	Develop the e-ANP Vol III MET component
Annex 3 Anne 19 USOAP CMA	Technical assistance to enhance the State's capability for the safety oversight of aeronautical meteorology



## Preliminary results

Conducted in Mexico NACC RO 29 May to 02 June 2023

In cooperation with the World Meteorological Organization (WMO) Regional Association IV

Dedicated to Aeronautical meteorological personnel (AMP)

39 participants from 19 States (CAA and MET Authorities)

### Objectives:

- promote the standardization and harmonization of procedures and formats for the preparation and dissemination of SIGMET information, and
- increase its availability and quality in the NAM/CAR/SAM Regions, through the implementation of the provisions of Annex 3 to the Chicago Convention and related guidance material.

Part II is being organized for November 2023 and supported by WMO RAIV

## SIGMET Workshop Part 1

Invitation to the Regional Assistance Project for the Significant meteorological information (SIGMET) Information Improvement Workshop, Part 1 – Analysis and forecasting techniques.

Proyecto RLA09801 – Programa de Asistencia Multi-Regional para la Aviación Civil (MCAAP)

Invitación al Proyecto de Asistencia Regional para el Taller de Mejora de la Información Meteorológica Significativa (SIGMET), Parte 1 – Técnicas de análisis y pronóstico

ICAO NACC Regional Office, 29 May to 2 June 2023 / Oficina Regional NACC, del 29 de mayo al 2 de junio 2023

### Documents / Documentación

Invitation Letter / Carta Invitación	EN	SP
Group Photo / Foto de Grupo		
Recording Day 1 / Grabación Día 1		
Recording Day 2 / Grabación Día 2		
Recording Day 3 / Grabación Día 3		
Recording Day 4 / Grabación Día 4		
Recording Day 5 / Grabación Día 5		

# Preliminary results

## CAR/SAM Regional SIGMET Guide,

To provide guidance for standardization and harmonization of the procedures and formats related to the preparation and issuance of aeronautical meteorological information pertaining to specified en-route hazardous weather phenomena,

In cooperation with WMO RA IV - Expert Team on Services for Aviation, ICAO SAM RO, and CAR, SAM States,



# SIGMET Guide

INTERNATIONAL CIVIL AVIATION ORGANIZATION



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Eleventh Edition — March - 2023

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# Preliminary results

## Quality Management Systems (QMS)

Supported by Cuba and the WMO ET-AVI

2 Webinars on the implementation of the QMS for the provision of MET services for international air navigation

Ongoing process for the approval of a QMS implementation project:

- To establish partnerships for the deployment of a QMS mentoring programme.
- To enhance human resource capacity, performance management and operational efficiency to sustain the QMS.

## QMS implementation

The slide features the WMO logo and text: "The Expert Team on Services for Aviation (ET-AVI) from WMO Regional Association IV (RA IV) presents: Quality Management Systems (QMS) Webinar Series". It lists dates for Thursday 29 June and Friday 30 June across three locations: Costa Rica and Barbados. It also includes "Objectives" (sharing guidance and training material) and "Moderators" (Heather Smith and Mike Graf). A note states that interpretation will be provided in English and Spanish. On the right side of the slide, there are four small video thumbnails showing participants: Heather Smith, Mike Graf, and two other individuals.

The slide is titled "Webinar on the implementation of the Quality Management System (QMS) for the provision of Meteorological (MET) services for international air navigation". It includes the Spanish translation: "Webinario sobre la implementación del Sistema de Gestión de la Calidad (QMS) para el suministro de servicios Meteorológicos (MET) para la navegación aérea internacional". The slide identifies the "ICAO NACC Regional Office" and the date "9 November 2022 / 9 de noviembre de 2022". The bottom right section, in Spanish, is titled "APLICACIÓN DE UN SISTEMAS DE GESTIÓN DE CALIDAD EN LOS SERVICIOS METEOROLOGICOS AERONAUTICOS (MET)" and lists "MSc Uvaldo Rene Millan Diaz, Inspector MET, Dirección de Aeronavegación, Instituto de Aeronáutica Civil de Cuba". The slide features a background image of an airplane and a video thumbnail of a speaker.

The Meeting is invited to consider the MET/TF objectives and deliverables as presented, and disseminated the information in the corresponding national entities,

States, Territories and International Organizations are invited to continue nominating representatives from the MET Authorities and CAA for the MET/TF,

MET/TF members are invited to continue participating in the formulation and future updates of the MET/TF Work Programme, as well as in its execution,



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Thank You!

