



ICAO

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

WORKING PAPER

NACC/WG/10 — WP/11  
05/09/25

**Tenth North American, Central American and Caribbean Working Group Meeting (NACC/WG/10)**  
Tulum, Mexico, from 8 to 12 September 2025

**Agenda Item 3: Use and Integration of Aeronautical Meteorological Data**

**DECLARATION OF INTENT FOR MET COOPERATION AMONG NAM/CAR STATES**  
(Presented by the Director General of Air Navigation Services in Mexican Airspace)

EXECUTIVE SUMMARY	
Declaration of Intent for the establishment of regional cooperation agreements on MET matters between the States of the NAM/CAR regions, with the objective of combining efforts and collaborative work among aeronautical meteorology experts from the Tulum Meteorological Watch Office (MWO/Tulum) and strengthening it to support the NAM/CAR Region by increasing operational safety, the harmonization of operational and technical work between adjacent Flight Information Regions, as well as fostering an exchange of knowledge, technology, and data in the NAM/CAR Region.	
<b>Action:</b>	As presented in numeral 4
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"><li>• Safety</li><li>• Air Navigation Capacity and Efficiency</li></ul>
<i>References:</i>	<ul style="list-style-type: none"><li>• Annex 3 – Meteorological Service for International Air Navigation, Twentieth Edition, July 2018.</li><li>• Third Meeting of Rapporteurs of the North American, Central American and Caribbean Working Group (NACC/WG/RAP/03), March 2025.</li></ul>

**1. Introduction**

1.1. As a contracting state of the International Civil Aviation Organization (ICAO) and the World Meteorological Organization (WMO), Mexico has designated SENEAM as the provider of its Aeronautical Meteorological Service for International Air Navigation. SENEAM has been working to strengthen and expand this service, collaborating with and receiving guidance from national and international institutions. SENEAM serves as a rapporteur for the ICAO Meteorology Task Force (TF/MET) and has been assigned the co-chair position on the WMO Expert Team on Aviation Services (ET-AVI), as well as the focal point for Aircraft-Based Observations (ABO). With these roles, SENEAM is strongly committed to collaborating and contributing to the North American, Central American, and Caribbean regions, as well as WMO Region IV, on matters of aeronautical meteorology.

1.2. Due to the aforementioned collaborations between SENEAM, ICAO, and the WMO, as well as the operational launch of the MWO/Tulum, SENEAM—with guidance from the ICAO NACC Regional Office—intends to foster cooperation among the NAM/CAR states. This initiative aligns with the Work Programme and Priorities presented at the NE/16 meeting of the Third Meeting of Rapporteurs of the North American, Central American and Caribbean Working Group (NACC/WG/RAP/03), held in March 2025. This meeting promoted collaborative work among:

- ✓ ICAO NACC and SAM Regional Offices
- ✓ “Expert Team on Services for Aviation (ET-AVI) of the World Meteorological Organization (WMO) Regional Association IV (RA-IV)”.
- ✓ Meteorological Authorities and MET Service Providers.
- ✓ ANS/MET Inspectors of the Civil Aviation Authorities,
- ✓ International Air Transport Association – IATA

## 2. Analysis and Discussion

2.1. Exchanging knowledge and experiences within the NAM/CAR Region is crucial for the technical and operational advancement of its states. By collaborating in a harmonized way, aligned with international standards from organizations like ICAO and WMO, as well as the specific regulations of each NAM/CAR state, the region can make coordinated progress. This will also help meet key ICAO priorities, such as the Basic Building Blocks (BBB) and their verification.

2.2. To address the requirements set forth in ICAO's Doc. 10157 PANS-MET and Amendment 82 to Annex 3, it's crucial for the NAM/CAR States to unify and coordinate their efforts. Therefore, it is essential to increase participation from NAM/CAR States in the NACC/WG – MET/TF and to disseminate the initiative of the present NE/11. Both actions will be supported by guidance from the ICAO NACC Regional Office.

2.3. States participating of the MET/TF have gained experience and knowledge on specific topics, as is the case with the MWO/Tulum. Coordinating and strengthening this knowledge will improve regional capabilities.

2.4. Each state in the NAM/CAR Region possesses installed capabilities, as well as operational, technical, and training strengths. As a result, each state will be able to analyse topics where they can contribute their expertise, such as:

- ✓ Training in aeronautical meteorology
- ✓ Data exchange from surface and altitude observation networks, remote sensing, numerical modeling, among others.
- ✓ Technology exchange and technological developments such as atmospheric numerical modeling,
- ✓ Operational Meteorologists and Technology Developers.
- ✓ "Joint ICAO–WMO Cooperation Programs.
- ✓ Explore the communications infrastructure to support data transmission
- ✓ Other relevant topics

## 3. Conclusiones

- 3.1. SENEAM proposes the establishment of the MWO/Tulum to support operational, technical, and coordination efforts for the states of the NAM/CAR region, with guidance from the ICAO NACC Regional Office.
- 3.2. SENEAM makes the MWO/Tulum, along with its existing aeronautical meteorology capabilities, available to all NAM/CAR states for coordinated operational work.
- 3.3. The MWO/Tulum will address priorities of the NAM/CAR region, as coordinated through the ICAO NACC Regional Office.
- 3.4. All coordination and actions conducted from the MWO/Tulum will be based on the priorities of the NAM/CAR Region.
- 3.5. NAM/CAR states can determine their level of participation and collaboration in the MWO/Tulum.

#### **4. Suggested Actions**

- 4.1. Draft a letter of intent for interested NAM/CAR states to participate in the collaboration from the MWO/Tulum.
- 4.2. Urge NAM/CAR states to offer their strengths and contributions on topics where they can collaborate within the region.
- 4.3. Establish technical, scientific, and operational forums on aeronautical meteorology.
- 4.4. Promote training workshops for the NAM/CAR Region.
- 4.5. Arrange operational work stays for aeronautical meteorology specialists at the Tulum's MWO.