



International
Civil Aviation
Organization

Organisation
de l'aviation civile
internationale

Organización
de Aviación Civil
Internacional

Международная
организация
гражданской
авиации

منظمة الطيران
المدني الدولي

国际民用
航空组织

Ref.: LT 13/1 – SA143

Lima, 13 April, 2022

To: Mr. M. Thierry Buttin, Regional Director of Civil Aviation Authority (DSAC)
for French Antilles and French Guiana
Mr. Philippe Versi, Regional Director, West Indies and French Guiana
Lt. Col. Egbert Field, Guyana Civil Aviation Authority
Mr. Albert E. Jubithana BBA, Minister of Transport Communication and Tourism,
Suriname

Subject: **Meeting on MET Implementation Progress Review**
(Zoom platform, 23 to 25 May, 2022 - 08:30 hrs Lima time)

Required
action: Nominate participants **by 11 May, 2022**

Dear Sir/Madam:

I wish to make reference to the RLA/06/901 - MET Coordination Meeting for the SAM Region, virtually carried out from 29 November to 1 December, 2021, and to the 2022 activity program of Regional Project RLA/06/901 that was adopted at the Fifteenth Meeting of the Coordination Committee (RCC/15, Virtual, 1 December, 2021), which included the implementation of activities for the action plan for functional improvements in the provision of meteorological services for international air navigation.

In this regard, I am pleased to invite you to the *Meeting on MET Implementation Progress Review* to be held virtually from 23 to 25 May, 2022, with the following objectives:

- i. Evaluate and monitor the activities developed under the MET Program;
- ii. Evaluate the Implementation of Contingency Plans for Volcanic Ashes and Release of Radioactive Material; and,
- iii. Evaluate the Review and update of the ATS/MET Service Agreements.

To ensure compliance with the objectives of the event, the participation of MET personnel in charge of decision-making at the technical and managerial level, as well as ICT personnel that provide support to the aeronautical meteorological services, is essential.

The Meeting will be held in Spanish and will have simultaneous interpretation into English. The tentative agenda and mnemonic paper are included as **Attachments A and B**, respectively; supplementary material for discussion will be distributed via e-mail in due course.

To register for this event, nominees can enter the following link:

https://icao.zoom.us/meeting/register/tJMsfuGgrzgjG9bxAuZ6KKVpwor_ApteFdOP

After registration, which I would appreciate doing **before 11 May 2022**, you will receive an e-mail with the link to enter the Zoom platform. For the day of the Meeting, I would be grateful to enter 15 minutes before the time to verify that there are no technical problems.

Should you require any additional information about this event, Mr. Jorge Armoa, Regional Officer, ANS Implementation (AIM/MET) (jarmoa@icao.int), is at your disposal.

Accept, Sir/Madam, the assurance of my highest consideration



ICAO OACI ICAO
Fabio Faizi Rabbani
Regional Director
ICAO South American Office
Lima

Enc:

As indicated

cc: Mr. Patrick Pezzeta, Deputy Director, Antilles-Guyane, French Antilles
Mr. Alain Kerhascoet, Head of French Guiana Air Control Centre Cayenne-Félix Eboué Airport, Head of the Aircraft Search and Rescue RCC
Mr. Jean-Jacques Deschamps, Directeur Adjoint, ANSP Martinique, French Antilles-Guyane
Mr. Damien Cazé, Director General of Civil Aviation, France
Mrs. Estrella Noordzee, Permanent Secretary, Directorate of Transport, Suriname
Ms. Constance Karijodinomo, Director of Civil Aviation Department, Suriname
Mr. Brian de Souza, Director a.i, Civil Aviation Safety Authority Suriname, CASAS, Suriname
Mr. Marcus Doller, Air Safety Support Intl. (ASSI), United Kingdom
Mr. Bruce D’Ancey, Policy Specialist, Flight Ops, Air Safety Support International (ASSI), United Kingdom
ICAO EUR/NAT (*For retransmission to DGAC France*)



Attachment A

ICAO SOUTH AMERICAN REGIONAL OFFICE

MNEMONIC PAPER – MET 01

Meeting on MET Implementation Progress Review (23 to 25 May, 2022)	
Regional strategy for implementation in the area of Meteorology in the SAM Region	<ul style="list-style-type: none"> ✓ Until December 2020: <ul style="list-style-type: none"> - Promote and support the alignment of the Quality Management Systems implemented in the Aeronautical Meteorological Service Providers to the 2015 version of the ISO 9001 Standard, and the certification, by a certifying entity, of the systems implemented. - Promote the implementation of OPMET messages in IWXXM format and their exchange in the aforementioned format. - Promote the implementation of space meteorology services ✓ Until December 2024: <ul style="list-style-type: none"> - Support and promote the participation of aeronautical meteorological services in multilateral working groups, in the States, to establish collaborative decision-making (CDM and A-CDM) in the provision of air navigation and aerodrome services. - Support and promote the integration of OPMET messages with aeronautical information services messages, to converge with information management in a SWIM environment. - Review the implementation of Contingency Plans for Volcanic Ash and Radioactive Material - Review ATS/MET Service Agreements - Review the use of the SIGMET Message Emission Guide ✓ Continuous tasks: Follow up: <ul style="list-style-type: none"> a) Maintenance of QMS/MET certifications b) Volcanic Ash Exercises every year, for 24 hours. c) Implementation of opportunities to improve the efficiency of the OPMET messages exchange d) Correct use of OPMET message formats e) Implementation of MET equipment (AWOS, RADAR, etc) f) Follow up on the correct implementation of aerodrome and SIGMET alert messages. g) Follow up on the implementation of the Space Meteorology services

ICAO Strategic Objectives	<ul style="list-style-type: none"> - Safety - Capacity and Efficiency - Environmental Protection
Purpose of the meeting	<p>Evaluate and monitor the activities developed under the MET Program Projects and align them with the ASBU.</p> <p>Evaluate the Implementation of Contingency Plans for Volcanic Ash and Release of Radioactive Material</p> <p>Evaluate the Review and update of the ATS/MET Service Agreements</p>
Activities carried out by the SAM Region on MET Projects	<ul style="list-style-type: none"> ✓ Lima, Peru, 2015, First Meeting of MET Projects, only for the SAM Region. ✓ Workshop on SIGMET and QMS in Uruguay, 2015 ✓ 2016: SIGMET workshops in Colombia, Suriname and Guyana on SIGMET and alert messages for aerodromes ✓ 2016, Forecast SIGMET Workshop in Lima, Peru ✓ 2016, Workshop on Risk Assessment and Management of Aeronautical Meteorological Services (Adaptation of the QMS/MET to the 2015 version) ✓ Lima, Peru, 2017, Second Meeting of MET, CAR/SAM Projects ✓ Lima, Peru, 2017, Course on Updating of Auditors for QMS/ ET (Update to ISO 9001: 2015) ✓ Lima, Peru, 2017, Seminar on SWIM and XML Messages ✓ Panama, Peru 2018, Seminar on Space Meteorology and IWXXM ✓ Lima, Peru, 2019, Third Meeting of GREPECAS MET Projects ✓ Virtual, 2020, Informal MET Meetings for the evaluation of MET services in the context of the COVID-19 pandemic ✓ 2021, Virtual Missions for verification of BBBs to the States of Argentina, Bolivia, Ecuador and Venezuela. ✓ Virtual, April 2021, Workshop on the International OPMET Bank of Brasilia ✓ Virtual, May 2021, Seminar / Workshop on adaptation of Aeronautical Meteorology Systems to the new IWXXM format
Current situation of the SAM Region regarding the development of implementation related to the MET area	<p>a) <u>Implementation and Certification of the QMS/MET</u></p> <ul style="list-style-type: none"> - Implementation and certification of the QMS/MET, version 2015 in seven States. - QMS implemented, but not certified in four States. <p>b) <u>Efficiency of OPMET messages</u></p> <ul style="list-style-type: none"> - The OPMET Data Bank of Brasilia carries out 4 annual controls. They are analyzed to verify efficiency. In 2020, a decrease in the percentages of efficiencies has been observed. - Opportunities to improve the emission of SIGMETs have been observed <p>c) <u>Implementation of OPMET messages in IWXXM format and their exchange in this format</u></p> <ul style="list-style-type: none"> - The States of Brazil and Argentina already have the capacity to exchange OPMET messages in IWXXM format - The States of Ecuador, Panama, Peru, Uruguay and Venezuela have software that translates OPMET messages, from the TAC format to

	<p>IWXXM, but they are not yet in a position to exchange them in the IWXXM format.</p> <p>d) <u>Participation of MET services in a CDM environment:</u></p> <ul style="list-style-type: none"> - Implemented in three States. <p>e) <u>Exercises on Volcanic Ashes:</u> every year, for 24 hours with a proposal to do it every two years.</p>
Nature of the event	<p>The event is a meeting where the activities and implementations for the MET area are analyzed. Also, the two new MET projects for the SAM Region that are currently in the process of being submitted to the CRPP for consideration and approval, will be reviewed.</p> <p>In addition, the implementation of other elements of the MET area is analyzed.</p>
Competences that the event will generate	<p>Take note of the opportunities for improvement in the provision of aeronautical meteorological services in all aspects.</p>
Participants profile	<ul style="list-style-type: none"> ✓ MET personnel in charge of decision-making at managerial level ✓ MET personnel in charge of decision-making at the technical level. ✓ ICT staff that provides support to aeronautical meteorological services ✓ MET personnel in charge of preparing and distributing aeronautical meteorological information.
Next Steps in Strategy Development	<p>According to the timeframes of the regional strategy:</p> <ul style="list-style-type: none"> ✓ Continue to monitor the implementation and certification of the QMS/MET ✓ Continue monitoring the implementation of the OPMET message in IWXXM format ✓ Promote the integration of MET data with AIS data ✓ Continue to monitor the efficiency of the OPMET exchange ✓ Promote the participation of MET services in CDM and A-CDM environments ✓ Review and update internal and external operational agreements
Contact staff in the SAM Office	<p>Mr. Jorge Armoa Cañete Regional Officer for Aeronautical Information Management and Aeronautical Meteorology ICAO South American Regional Office jarmoa@icao.int</p>

ATTACHMENT B

Meeting on MET Implementation Progress Review

(Virtual, 23 to 25 May, 2022)

PROVISIONAL AGENDA

- Agenda Item 1:** Follow-up to the recommendations of the MET Coordination Meeting
- Agenda Item 2:** Review of Planning and Implementation of the exchange of OPMET information in IWXXM format and preparation for SWIM
- Agenda Item 3:** Review of the Implementation of the MET Quality Management System (QMS/MET)
- Agenda Item 4:** a) Review and follow-up of the IAVW for the SAM Region; and
b) Review and monitoring of the Contingency Plans for Volcanic Ash and Release of Radioactive Material
- Agenda Item 5:** Review of ATS/MET, CNS/MET, AIS/MET operational agreements and other operational agreements
- Agenda Item 6:** Monitoring of the Coordination Project for the issuance of homogeneous and continuous SIGMET
- Agenda Item 7:** Monitoring of *Space Weather* surveillance activities
- Agenda Item 8:** Other business

EXPLANATORY NOTES

Agenda Item 1: Follow-up to the recommendations of the MET Coordination Meeting

In this part of the agenda, the recommendations of the MET Coordination Meeting held in 2021 will be followed up.

Agenda Item 2: Review of Planning and Implementation of the exchange of OPMET information in IWXXM format and preparation for SWIM

In this part of the agenda, the progress regarding the implementation of the OPMET information exchange in IWXXM format will be analyzed, as well as the preparation of the MET information exchange of in a SWIM environment.

Agenda Item 3: Review of the Implementation of the MET Quality Management System (QMS/MET)

In this matter, the status of implementation of the Quality Management System in aeronautical meteorological services, will be reviewed. The plans for implementation and update to the 2015 version of ISO 9001, will be reviewed. States will be requested to submit working papers, information papers or presentations (ppt) on activities and experiences in relation to the implementation of QMS/MET, the process of continuous improvement and procedures for managing risks and opportunities. Additionally, States are requested to address issues related to MET personnel and compliance with WMO requirements related to personnel.

Agenda Item 4: a) Review and follow-up of the IAVW for the SAM Region; and b) Review and monitoring of the Contingency Plans for Volcanic Ash and Release of Radioactive Material

This issue will deal with the situation of the States:

- a) Review of the information regarding States contained in Doc 9766 – IAVW Manual
- b) Review and update the Contingency Plans for Volcanic Ash and Radioactive Material. The procedures of the States will be reviewed, as well as the Guide for the SAM Region

Agenda Item 5: Review of ATS/MET, CNS/MET, AIS/MET operational agreements and other operational agreements

Under this point of the Agenda, the Meeting will review the current operational agreements in the meteorological services for international air navigation. States are requested to submit copies of their operational agreements updated to 2021.

Agenda Item 6: Monitoring of the Coordination Project for the issuance of homogeneous and continuous SIGMET

Under this matter, the Meeting may examine the formulation of the aforementioned project, as well as the steps that are planned for its execution.

Agenda Item 7: Monitoring of *Space Weather* surveillance activities

Under this item, the Meeting may examine the activities of the States in relation to the events that occurred during 2022 and the communications received from the World Space Weather Advisory Centers. States are requested to communicate the warnings received and the actions carried out after receiving them.

Agenda Item 8: Other business

Under this item, the Meeting may examine other related aspects that have not been considered in the previous items and that are related to the topics under analysis.

TENTATIVE WORK PROGRAM

Hour	Monday 23 May 2022	Hour	Tuesday 24 May 2022	Hour	Wednesday 25 May 2022
0830 0900	Registration of participants	08:30 09:30	Agenda Items 4 and 5	09:00 10:30	Review of the Meeting Report
0900 0915	Opening of the Meeting				
0915 0930	Election of President and Vice-President	09:30 10:30	Agenda Item 6	10:30 10:45	<i>Coffee Break</i>
0930 1030	Agenda Item 1			10:45 11:30	Closing of the Meeting
1030 1050	<i>Coffee Break</i>	10:30 10:50	<i>Coffee Break</i>		
1050 1200	Agenda Item 2	1050 1200	Agenda Item 7		
12:00 13:00	<i>Lunch Break</i>	12:00 13:00	<i>Lunch Break</i>		
13:00 14:30	Agenda Item 3	13:00 14:30	Agenda Item 8		