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Международная
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منظمة الطيران
المدني الدولي

国际民用
航空组织

Re.: LT 2/3A.77 – SA013

Lima, 22 January 2019



To: Mr. Frédéric Guignier, Regional Director of Civil Aviation Authority (DSAC) for French Antilles and French Guiana
Mr. Jerome Journet, Regional Director, West Indies and French Guiana
Lt. Col. Egbert Field, Guyana Civil Aviation Authority
Eng. Patrick Pengel MBA, Ministry of Public Works, Transport and Communications, Suriname

Subject: **SAM COM/MET 2019 Implementation Meeting** (Lima, Peru, April 23 to 25 2019)

Action required: Register participants and send documentation (Working or Information Papers) **no later than 5 April 2019**

Sir,

I have the honour to address you this letter to invite you to participate in the SAM COM/MET 2019 Implementation Meeting, to be held at the facilities of this Regional Office, from April 23 to 25, 2019, as part of the Meetings Program of this Office for the current year.

The objective of this Meeting is to guide the technical personnel of Communications and MET personnel of the States of the SAM Region, about the necessary coordination for the implementation of the IWXXM model and the XML/GML format of the OPMET messages, as well as to review the cooperation agreements for the correct management and transmission of OPMET messages through the communication systems.

Additionally, the SAM COM/MET Implementation Meeting will be carried out in order to review the results of the OPMET controls, study the reasons that affect the efficiency of the message exchange, as well as opportunities for improvement in the preparation of the same. Likewise, methodologies and infrastructures necessary for the implementation of OPMET messages in XML/GML format, will be explored, and the necessary support will be provided to move to the digitalization and implementation of SWIM.

Please be aware that the event will be held in Spanish, and **will have simultaneous interpretation into English, only if English-speaking States participation forms are received in this Regional Office no later than 5 April 2019.**

I would greatly appreciate confirming your participation no later than 5 April 5 2019, by returning the attached registration form (**Appendix B**), duly completed with respect to each participant.

States are invited to submit Working Papers or Information Papers in the context of the Agenda that is attached hereto as **Appendix A**, on the experience of COM/MET coordinations carried out locally, which I would be grateful if they were submitted in their original language **no later than April 5, 2019**. **Documents that cannot be sent until the indicated date, must be provided in both languages (English and Spanish) by the Administration that submits them.**

The documentation, list of recommended hotels, general information about the meeting site or other information of general interest, can be found on the website of the ICAO South American Regional Office: <http://www2010.icao.int/SAM/Pages/default.aspx>. For more information, a mnemonic record of the Meeting is attached as **Appendix C**. There are no plans to distribute documentation during the event, so it is recommended that participants bring a lap-top, or print the documentation regarding the Meeting.

Should you have any question, please contact Mr. Jorge Armoa, Regional Officer for Aeronautical Information Management and Meteorology, at jarmoa@icao.int, and/or Mr. Francisco Almeida, CNS Regional Officer, at falmeida@icao.int.

Please accept the assurances of my highest consideration.

The image shows a handwritten signature in blue ink over the official logo of the ICAO South American Office. The logo features a globe with wings and the text 'ICAO OACI - WKAO' at the top and '国际民航组织' at the bottom.

Fabio Faizi Rahnemay Rabbani
Regional Director
ICAO South American Office
Lima

Enc.

cc: Mr. Claude Miquel, Deputy Director, Antilles-Guyane, French Antilles
Mr. Frédéric Danloux, 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
Dr. Joyce Blokland-Wijnstein, Permanent Secretary, Directorate of Transport and Communication, Suriname
Mr. Faizel Baarn, Director of Civil Aviation Department, Suriname
Mr. Anjulio R. Wolf, Director, 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

APPENDIX A

SAM COM/MET 2019 Implementation Meeting

(Lima, Peru, April 23 to 25 2019)

DRAFT AGENDA

- Agenda Item 1: OPMET EXCHANGE
- a) review of the requirements for the OPMET exchange
 - b) review of the results of the OPMET exchange controls for 2017, 2018 and 2019;
 - c) operation, functioning, and use of the OPMET International Data Bank of Brasilia;
 - d) revision of the data Catalog of the OPMET Brasilia International Data Bank;
 - e) CAR/SAM e-ANP review, Part V-MET of Vol. I, Vol. II and of the OPMET Guide for the CAR/SAM Regions;
 - f) preparation of the MET part of Vol. III of the CAR/SAM e-ANP;
 - g) analysis of the opportunities for improvements observed in the transmitted OPMET messages (METAR, SPECI, TAF, SIGMET).
- Agenda Item 2: Follow-up to the regional implementation of the ATN architecture implementation project and of the ATN ground-ground applications in the SAM Region (AMHS systems and the interconnection thereof).
- Agenda Item 3: Review of SIGMET messages. Analysis of the format and Exchange.
- Agenda Item 4: Exercises of SIGMET messages due to volcanic ash. Evolution and future projects.
- Agenda Item 5: Amendment 78 to Annex 3. Implementation of OPMET data exchange in XML/GML format, model IWXXM, preparation for the exchange of OPMET messages in a SWIM environment and space condition messages (Space Meteorology).
- Agenda Item 6: Other business.

EXPLANATORY NOTES OF DRAFT AGENDA**Agenda Item 1: OPMET Exchange****a) Review of the requirements for the OPMET exchange**

Under this Agenda item, the OPMET exchange requirements will be reviewed at a regional and global level, as well as the results of the OPMET exchange controls.

b) Review of the results of the OPMET exchange controls

Under this agenda item, a review will be made of the results of the quarterly controls carried out by the OPMET Data Bank of Brasilia.

c) Operation, functioning, and use of the OPMET International Data Bank of Brasilia;

In this agenda item, Brazil, as the Bank's supplying State, will present to the Meeting a note on the current status of operation and functioning of the OPMET International Data Bank of Brasilia.

d) Revision of the data Catalog of the OPMET International Data Bank of Brasilia;

In this agenda item, the Data Catalog of the OPMET International Data Bank of Brasilia will be reviewed in order to align it with the requirements of Amendment 78 to Annex 3 of the ICAO.

e) Review of CAR/SAM e-ANP, Part V-MET of Vol. I and Vol. II, and of the OPMET Guide for the CAR/SAM Regions;

Under this agenda item, the Tables of Part V-MET of Vol. I and II of the CAR/SAM e-ANP and of the OPMET Guide for the CAR/SAM Regions, will be reviewed to analyze their current status and propose the updates if necessary

f) Preparation of the MET part of Vol. III of the e-ANP CAR/SAM.

Under this agenda item, Module B0-AMET and B1-AMET, of the Global Air Navigation Plan (GANP) will be reviewed and will be proposed the preparation of Vol. III of the e-ANP CAR/SAM for the SAM Region, aligning it with the GANP.

g) Analysis of the opportunities for improvements observed in the transmitted OPMET messages (METAR, SPECI, TAF, SIGMET).

In this agenda item, the Meeting will take note of the improvement opportunities detected in the different controls made to the OPMET messages transmitted by the States and that are available in the OPMET exchange circuits.

Agenda Item 2: Follow-up to the regional implementation of the ATN architecture implementation project and of the ATN ground-ground applications in the SAM Region (AMHS systems and the interconnection thereof).

The Meeting will be informed of the progress made with the use of REDDIG II, which entered into operation in February 2015, thus implementing the communications infrastructure (ATN) necessary for the applications of the Air Navigation Service in the SAM Region. In addition, the Meeting will review the implementation status of the AMHS systems, as well as the implementation of the AMHS interconnections, a priority activity considered in the Declaration of Bogotá, and the migration of equipment/systems from the AFTN environment to AMHS.

Agenda Item 3: Review of SIGMET messages. Analysis of the format and exchange.

Under this agenda item, SIGMET format requirements will be reviewed, as well as complaints from users and industries about errors in the preparation of SIGMET. In addition, the actions taken by the States to improve the availability and quality of SIGMET data will be analyzed.

Agenda Item 4: Exercises of SIGMET messages due to volcanic ash. Evolution and future projects.

Under this agenda item, the results of the exercises of Volcanic Ash at the SAM level will be reviewed carried out in the years 2015 and 2016. Likewise, the proposal of its evolution will be analyzed according to Amendment 78 to Annex 3, as well as ICAO MET Panel considerations.

Agenda Item 5: Amendment 78 to Annex 3. Implementation of OPMET data exchange in XML/GML format, model IWXXM, preparation for the exchange of OPMET messages in a SWIM environment and space condition messages (Space Meteorology).

Under this agenda item, the Meeting will take note of the activities carried out by WMO and ICAO in relation to the exchange of OPMET data in the XML/ GML format, implementation of the IWXXM model. Considerations related to the necessary infrastructures and advantages of their implementation and considerations for the exchange of OPMET messages in a SWIM environment, will be presented to the Meeting. Likewise, the Meeting will be informed of the activities carried out for the implementation of the distribution of advisory messages for space conditions, to be issued by the Space Weather Centers.

Agenda Item 6: Other business

Under this agenda item, the Meeting will analyze other issues that have not been contemplated in the previous points, but its analysis is considered important.

APÉNDICE B / APPENDIX B



Organización de Aviación Civil Internacional /
International Civil Aviation Organization
Oficina Regional Sudamericana / South American Regional Office

REUNIÓN DE IMPLANTACION SAM COM/MET 2019
SAM COM/MET 2019 IMPLEMENTATION MEETING
Lima, Perú, 23 – 25 abril de 2019 / Lima, Peru, 23 – 25 April 2019

FORMULARIO DE REGISTRO / REGISTRATION FORM

1. Estado/*State:*

Organismo/*Organization:* _____

2. Nombre/

Name: _____

3. Cargo/*Position:* _____

4. Participa como / *Participates as:*

Miembro/*Member*

Alterno/*Deputy*

Delegado/*Delegate*

Observador / *Observer*

5. Dirección oficial /

Official address: _____

6. Tel.: _____

Fax: _____

E-mail: _____

7. Hotel o dirección en la

ciudad/ *Hotel or local*

address: _____

8. Información de vuelo/

Flight information:

Vuelo llegada/ fecha/ hora/

Arrival flight/ date/ hour: _____

Vuelo salida/ fecha/ hora/

Departure flight/ date/ hour: _____

Firma/

Signature: _____

Fecha/ *Date:* _____

Por favor envíe este formulario a / Please return this form to: E-mail: icaosam@icao.int



APPENDIX C

ICAO SOUTH AMERICAN REGIONAL OFFICE

MNEMONIC RECORD – CNS/MET 01

SAM COM/MET 2019 Implementation Meeting April 23 to 25, 2019	
Regional strategy for COM/MET Coordination in the SAM Region	<p>Aeronautical meteorological services are the main users of communication systems for the transmission of operational meteorological messages (OPMET messages). In order to ensure good coordination between the MET services and the COM services, it has been necessary to carry out coordination meetings regionally, in order to establish agreements that allow maintaining the levels of efficiency and timeliness of the OPMET messages. Additionally, the new requirements introduced by amendment 78 to Annex 3 of the ICAO (Implementation of the IWXXM) (OPMET messages in XML/GML format) and the future management of OPMET messages in the SWIM environment, make it necessary to carry out this event. The strategy will be the following:</p> <ul style="list-style-type: none"> ✓ Until December 2020, support and promote the implementation of the IWXXM with the support of the AMHS systems containing the conversion modules from alphanumeric format to XML format, and the interconnection in AMHS between the States, which allows supporting the exchange of OPMET data in XML/GML format. ✓ Continuous task: <ul style="list-style-type: none"> a) Follow up on the implementation of the OPMET data exchange in XML/GML format. b) Follow up on the efficiency of the OPMET data exchange, as well as the opportunity of the same through the OPMET exchange controls.
Objective of the Meeting	<p>To guide the technical personnel of Communications and MET personnel of the SAM Region States, about the necessary coordinations for the implementation of the IWXXM model and of the XML/GML format of OPMET messages, as well as to review the cooperation agreements for the correct management and transmission of OPMET messages through communication systems.</p>



<p>Activities carried out by the SAM Region on COM/MET coordinations and OPMET messages in XML format</p>	<ul style="list-style-type: none"> ✓ COM/MET SIP Project, carried out by the SAM Regional Office for all the States of the Region, 1998 ✓ COM/MET Coordination and Implementation Meeting, Lima, July 2001 ✓ COM/MET Coordination and Implementation Meeting, San Andrés, Colombia, 2005 ✓ Coordination and Implementation Meeting COM / MET, Lima, 2011 ✓ Coordination Meeting COM / MET, Lima, 2015 ✓ Seminar on AIXM and WXXM, Lima, 2015 ✓ Seminar on SWIM and Messages XML, Lima, 2017.
<p>Current status of the SAM Region in terms of the efficiency of OPMET messages and the implementation of the OPMET message in XML format</p>	<p>The current situation of the States of the SAM Region shows that the messages have not yet been implemented in XML format. Brazil is able to receive and transmit in XML/GML format internally and the OPMET Data Bank of Brasilia is able to receive from the States in XML/GML format. For the transmission in XML format, the installation of the AMHS systems and the interconnection between the States in AMHS is essential, implementation that is in process in the Region. Regarding the efficiency and timeliness of OPMET messages, this has increased considerably in the last 4 years, according to the OPMET controls carried out by the OPMET Data Bank of Brasilia. Likewise, format errors have decreased by almost 10% due to Workshops that have been carried out in certain States where the greatest format error problems have been detected.</p>
<p>Nature of the event</p>	<p>The COM/MET Implementation Meeting will be held with the purpose of reviewing the results of the OPMET controls, studying the reasons that affect the efficiency of the message exchange, as well as opportunities for improvement in the preparation of the same. Additionally, methodologies and infrastructures necessary for the implementation of OPMET messages in XML/GML format will be explored and the necessary support will be provided to move to the digitalization and implementation of the SWIM.</p>



<p>Competences that the event will generate</p>	<ul style="list-style-type: none"> - Take note of opportunities for improvement related to the efficiencies of OPMET message exchange. - Take note of improvement opportunities related to OPMET message formats. - Take note of the necessary coordinations for the implementation of the exchange of OPMET messages in XML/GML format. Preparation of a schedule for the implementation of interconnections in AMHS, as well as updating of the AMHS systems to allow the exchange in XML/GML format and the implementation of the IWXXM model. - Take note of the necessary infrastructure and architecture necessary for the exchange of OPMET messages in a SWIM environment.
<p>Profile of the participants</p>	<ul style="list-style-type: none"> ✓ Personnel in charge of the OPMET exchange of the aeronautical meteorological services; ✓ Personnel in charge of AMHS systems of the States; ✓ ICT personnel that provides support to the aeronautical communications systems of the States.
<p>Next steps in the development of the strategy</p>	<ul style="list-style-type: none"> - Follow up on the implementation of improvement opportunities related to the efficiencies of the OPMET message exchange and in relation to the use of the correct formats of the same. - Follow up on the implementation of OPMET messages in XML format. - Follow up on the implementation of infrastructures related to communication systems that would allow the exchange of OPMET messages in XML/GML format. - Follow up on the implementation of the IWXXM model.
<p>Contact staff in the SAM Office</p>	<p>Mr. Jorge Armoa Regional Officer AIM/MET South American Regional Office jarmoa@icao.int</p> <p>Mr. Francisco Almeida Regional Officer CNS South American Regional Office falmeida@icao.int</p>