



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

LN 3/24.1 - SA5150

Lima, 7 March 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  
Mr. Manuel Góngora, Director Air Services LATAM & Caribbean, ARINC  
Mr. Delfim Ossamu Miyamaru, Director ATM, ATECH  
Mr. Rafael Alonso-Nivez, President LATAM & Caribbean Region, AIRBUS  
Mr. Michael Matyas, Avionics Design & Analysis Engineer, BOEING  
Mr. Scott Blum, Director International Relations - BOEING-JEPPESEN  
Mr. Frédéric Cuq, ATM Business development, THALES ALENIA SPACE  
Mrs. Carole Couchman, Senior Technical Officer, IFALPA  
Cap. Osvaldo Neto, Executive Vice-President CAR/SAM, IFALPA  
Mrs. Simone Yoneshigue, SITA  
Mrs. Adriana Candez, FREQUENTIS  
Dr. Gonzalo Yelpe, Acting Director, ALTA  
Mr. Peter Cerda, Regional Vice-president for The Americas, IATA  
Mr. Francisco López Ibáñez, INDRA  
Mrs. Ana Maria Persiani, Regional Director, Latin America & Caribbean, AIREON  
Mr. Rafael Apaza, AeroMACS, NASA  
Mr. Javier Vanegas, Director LATAM & Caribbean Region, CANSO

Subject: **RLA/06/901 – Twenty Third Workshop/Meeting of the ICAO SAM Implementation Group (SAM/IG/23)** (Lima, Peru, 20 to 24 May 2019)

Action

required: a) Nominate participants and send documentation (Working or Information Papers) no later than **12 April 2019**

Sir/Madam,

I have the honour to address you this letter with reference to the activities of the Regional Project RLA/06/901 - *Assistance in the implementation of an ATM regional system according to the ATM operational concept and the corresponding technological CNS support*. In this respect, I am pleased to inform you that the Twenty Third Workshop/Meeting of the ICAO SAM Implementation Group (SAM/IG/23) will be carried out from 20 to 24 May 2019 at the facilities of this Regional Office, in Lima, Peru.

This meeting aims to provide continuity and monitoring of the implementation of the regional air navigation plan within the framework of the ASBU GANP, as well as the regional ATM/CNS initiatives. For a more detailed analysis of the issues to be addressed, the provisional agenda of the event is included with its explanatory notes and tentative work programme (**Attachment A**).

The profile of the participating experts is of the utmost relevance and should correspond to the appropriate levels of authority and the specialties indicated on the Mnemonic Note Paper (**Attachment B**) with a view to ensuring the achievement of the objectives raised. In addition, the aforementioned file includes a summary of the current situation of the Region, as well as the competencies and benefits that the workshop/meeting will generate.

I am, therefore, pleased to invite your Administration/Organization to participate in this event and confirm the list of your representatives by sending to this Regional Office the registration form (**Attachment C**) **no later than 2 November 2018**.

Likewise, it is very important that each Administration/Organization reports the progress made in each of the subjects considered in the Agenda items, as well as any activity established in the respective action plans and related projects through working papers or information papers and sending them in its original language to this Regional Office no later than **12 April 2019**. **Documents that could not be sent until that date must be provided in both languages** (English and Spanish) by the Administration/Organization that presents them.

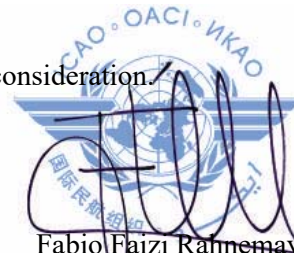
Administrations/Organizations who wish to attend this event can make use of the following financing alternatives:

- a) Fellowships from a national ICAO Technical Cooperation Project approved by your State; or
- b) Own resources of your Administration, in the lack of any of the previous alternatives.

The documentation of the event, such as working and information papers, will be published in the ICAO SAM Office website: <http://www.icao.int/sam>. No documentation is foreseen for distribution during the event; therefore, it is recommended that participants bring a lap-top, or print the related documentation.

Please be aware that the event will be carried out in Spanish **with simultaneous interpretation services into English only if confirmation of English-speaking States participation is received in this Regional Office no later than 12 April 2019**.

Accept, Sir/Madam, the assurances of my highest consideration.



Fabio Faizi Rannemay Rabbani  
Regional Director  
ICAO South American Office  
Lima

**Enclosures:** *As indicated*

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

## ATTACHMENT A

### REGIONAL PROJECT RLA/06/901 TWENTY THIRD WORKSHOP/MEETING OF THE SAM IMPLEMENTATION GROUP (SAM/IG/23)

(Lima, Peru, 20 to 24 May 2019)

#### DRAFT AGENDA

- Agenda Item 1: Follow-up to conclusions and decisions adopted by SAM/IG meetings and presentation of air navigation progress at a global, interregional and intraregional level
- Agenda Item 2: Optimization of the SAM airspace
- a) PBN regional implementation
  - b) Actions to standardize the longitudinal separations of *en-route* aircraft
  - c) analysis of the SAM route network, Version 5, and CAR interfaces
- Agenda Item 3: Implementation of Air Traffic Flow Management (ATFM) and improvement of procedures for flow coordination between units
- Agenda Item 4: Assessment of operational requirements to determine the implementation of improvements in communications, navigation and surveillance (CNS) capabilities for operations in route and terminal area
- a) Follow-up to REDDIG II performance and activities, and to MEVA III network interconnection
  - b) Follow-up to AMHS interconnection
  - c) SELCAL expansion (SELCAL 32)
- Agenda Item 5: Operational implementation of new ATM automated systems and integration of the existing systems
- a) Follow-up to AIDC performance and operation in the SAM Region
  - b) Follow-up to actions taken to mitigate flight plans errors and duplicity/multiplicity in the SAM Region
  - c) Interoperability between automated systems (GT – Interop)
  - d) ADS-B implementation in the SAM Region
- Agenda Item 6: Other business

## EXPLANATORY NOTES

**Agenda Item 1: Follow-up to conclusions and decisions adopted by SAM/IG meetings and presentation of air navigation progress at a global, interregional and intraregional level**

The Meeting will review the status of application of the conclusions and decisions adopted during the Twenty Second Workshop/Meeting of the SAM Implementation Group (SAM/IG/22), as well as the valid conclusions and decisions from previous SAM/IG meetings. In addition, the results of air navigation meetings will be presented at a global, interregional and intraregional level.

**Agenda Item 2: Optimization of the SAM airspace**

- a) **PBN regional implementation**
- b) **Actions to standardize the longitudinal separations of en-route aircraft**
- c) **analysis of the SAM route network, Version 5, and CAR interfaces**

Under this Agenda Item, the Meeting will analyse the progress made in the implementation of the Action Plan for the Optimization of SAM Airspace. States should present the status of development of the PBN TMA designs and/or of other airspaces chosen by the SAM States. The Meeting will review the progress made in the effective implementation of the longitudinal separation reduction of en-route aircraft, including any interregional coordination. Issues related to the version 5 of route optimized network will be reviewed, including the CAR SAM interfaces. Information will be provided regarding the composition of the GESEA study group. States can take advantage of this meeting to update their operational letters of agreement (LOAs). ASBUs related: B0-APTA, B0-FRTO, B0-CDO, B0-CCO.

**Agenda Item 3: Implementation of Air Traffic Flow Management (ATFM) and improvement of procedures for flow coordination between units**

Under this Agenda Item, the Meeting will review and follow-up on the implementation of ATFM on the basis of the action plan. In this order, having completed the implementation of 70% of the FMU/FMP facilities in the Region, it is necessary to emphasize the operational activities of these units/posts, as well as the implementation of coordination protocols, with the signing of agreements between the authorities concerned. State ATFM nodes are to be strengthened, so as to build an inter-nodal network and/or a combination of this network with centralized units. Related ASBUs: B0-ACDM, BO-RSEQ, B0-FRTO and B0-NOPS.

**Agenda Item 4: Assessment of operational requirements to determine the implementation of improvements in communications, navigation and surveillance (CNS) capabilities for operations in route and terminal area**

- a) **Follow-up to REDDIG II performance and activities, and to MEVA III network interconnection**
- b) **Follow-up to AMHS interconnection**
- c) **SELCAL expansion (SELCAL 32)**

The Meeting will analyse the performance of REDDIG II and the MEVAIII/REDDIGII interconnection, as well as the findings of the REDDIG II security evaluation, the progress in the status of implementation of the activities referred in the Action Plan for the Interconnection of AMHS Systems in the SAM Region. In this respect, States are expected to report the activities carried out for the AMHS implementation, as well as the planning to complete it. At the same time, the Meeting will be informed on the progress made regarding the remaining activities of the projects GREPECAS: D1 - *Architecture of the ATN*; and D2 - *ATN Ground-Ground and Ground-Air Applications*, and the necessary requirements for their completion. SAM States are to present the initiatives conducted to adequate the HF and VHF-COM systems that use the selective system, with views towards the expansion of the SELCAL code (SELCAL 32). Related ASBUs: B0-FICE, B0 ASUR and B0-APTA.

**Agenda Item 5: Operational implementation of new ATM automated systems and integration of the existing systems**

- a) **Follow-up to AIDC performance and operation in the SAM Region**
- b) **Follow-up to actions taken to mitigate flight plans errors and duplicity/multiplicity in the SAM Region**
- c) **Interoperability between automated systems (GT – Interop)**
- d) **ADS-B implementation in the SAM Region**

The Meeting will analyse the progress made in AIDC implementation and operation since the SAM/IG/22 meeting. Also, States are expected to report the activities carried out for the implementation of the AIDC interconnection, as well as their actions made for the mitigation of errors in the flight plans. The Meeting will take note of the progress made in the composition of the Interop GT, review the terms of reference, composition, establishment of initial activities, and schedule. In addition, progress made in the implementation of the remaining actions considered under GREPECAS project C1 – *Automation*, will be examined. Finally, a follow-up action plan for ADS-B implementation will be established, and the progress made in the implementation of the remaining activities considered under Project C2 – *Improvement to ATM situational awareness*, will be examined. Related ASBU: B0-FICE, BO-ASUR and BO-APTA.

**Agenda Item 6: Other business**

Under this Item, the Meeting will review related subjects not discussed in the afore-indicated Agenda items.

**TENTATIVE WORK PROGRAMME**

<b>HOUR</b>	<b>Monday</b> 19 November 2018	<b>HOUR</b>	<b>Tuesday</b> 20 November 2018	<b>Wednesday</b> 21 November 2018	<b>Thursday</b> 22 November 2018	<b>HOUR</b>	<b>Friday</b> 23 November 2018
0830 0900	Registration of participants	0900 1030	<i>Ad-hoc</i> groups	<i>Ad-hoc</i> groups	<i>Ad-hoc</i> groups	1000 1030	Report review (plenary)
0900 0915	Opening of the event						
0915 1030	Review of Agenda Items 1 and 2 (plenary)						
1030 1045	<b><i>Coffee break</i></b>	1030 1045	<b><i>Coffee break</i></b>	<b><i>Coffee break</i></b>	<b><i>Coffee break</i></b>	1030 1100	<b><i>Coffee break</i></b>
1045 1215	Review of Agenda Items 3 and 4 (plenary)	1045 1215	<i>Ad-hoc</i> groups	<i>Ad-hoc</i> groups	<i>Ad-hoc</i> groups	1100 1230	Report approval (plenary)
1215 1300	<b><i>Lunch break</i></b>	1215 1300	<b><i>Lunch break</i></b>	<b><i>Lunch break</i></b>	<b><i>Lunch break</i></b>	1230 1300	Closing of the Workshop/Meeting
1300 1400	Review of Agenda Items 3 and 4 (plenary) (cont.)	1300 1400	<i>Ad-hoc</i> groups	<i>Ad-hoc</i> groups	Review of <i>Ad-hoc</i> groups reports (plenary)		
1400 1500	Review of Agenda Items 5 and 6 (plenary)	1400 1500	<i>Ad-hoc</i> groups	<i>Ad-hoc</i> groups	Review of <i>Ad-hoc</i> groups reports (plenary)		



## ATTACHMENT B

### ICAO SOUTH AMERICAN REGIONAL OFFICE

#### MNEMONIC NOTE PAPER – ALL AREAS 02

<b>Twenty Third Workshop/Meeting of the ICAO SAM Implementation Group (SAM/IG/23) (Lima, Peru, 20 to 24 May 2019)</b>	
<b>Regional Project RLA/06/901 - Assistance for the implementation of a regional ATM system based on the ATM operational concept and the corresponding technological support for communications, navigation, and surveillance (CNS)</b>	<p>The aim of RLA/06/901 Project is to develop and implement Global Air Navigation Plan (GANP) initiatives in the SAM Region, leading towards the transition to air traffic management and an air navigation system based on infrastructure and ground systems, towards a performance-based PBN air navigation, within an interoperable environment.</p> <p>ICAO Strategic Objectives:</p> <ul style="list-style-type: none"> <li>A- Safety; and</li> <li>B- Air Navigation Capacity and Efficiency.</li> </ul>
<b>Objective of the meeting</b>	<p>Planning and implementation meeting. Necessary to continue and supervise the implementation of the Regional Air Navigation Plan within the GANP ASBU, as well as the regional ATM/CNS initiatives.</p>
<b>Activities held by the SAM Region</b>	<ul style="list-style-type: none"> <li>• 2008 -2018 SAM/IG meetings.</li> <li>• 2010-2018 ATS/RO meetings</li> <li>• 2013-2018 PBN/PANS OPS workshops/meetings</li> </ul>
<b>Current situation of the SAM Region</b>	<p>The SAM Region has been implementing ATM improvements, through the implementation of PBN at en-route and approach segments; in addition to the implementation of CCO and CDO methods. To manage airspace and airport demand/capacity imbalances, the ATFM and optimization of longitudinal separation are being developed.</p> <p>With regard to support CNS technologies, the development of regional ATN has been encouraged, as well as the interconnection of AIDC facilities, and the regional and interregional AMHS. The feasibility of using GBAS for approach procedures and ADS-B for ATS surveillance is currently being studied.</p>
<b>Meeting nature</b>	<p>This event is carried out every six months and is aimed for SAM air navigation services planners (AGA, AIM, ATFM, ATM/SAR, CNS and MET), representatives from civil aviation related organizations, and representatives of the aeronautical industry.</p>

<p><b>Competences / Benefits to be generated by this meeting</b></p>	<p>The event enables the analysis, as well as the communication and coordination among State representatives and the industry, for the taking of collaborative decisions with regard to the planning and implementation of ATM/CNS improvements for the development of regional and interregional PBN.</p>
<p><b>Participants' profile</b></p>	<ul style="list-style-type: none"> <li>○ Manager/Chief of ATM and/or CNS area, ANSP provider and/or CAA regulation, empowered with decision-taking by the State.</li> <li>○ Chief/Specialist in ATM planning and implementation, including the ATS, ASM, ATFM fields.</li> <li>○ Chief/Specialist in CNS planning and implementation.</li> <li>○ Airline and airspace user representatives.</li> <li>○ ATM/CNS systems manufacturers.</li> </ul>
<p><b>Next steps for the development of the strategy</b></p>	<p>In accordance with regional strategy terms, the main initiatives under development are:</p> <ol style="list-style-type: none"> <li>1) Optimization of the SAM airspace: PBN implementation, reduction of the en-route longitudinal separation, optimization of the routes network for RNAV-5 implementation, and ATS contingency plans.</li> <li>2) ATFM implementation: ATFM CONOPS, national initiatives and regional plans.</li> <li>3) Implementation of CNS improvements: Regional and State ATN implementation (Project D1), AMHS and AIDC interconnection establishment (Project D2).</li> <li>4) Feasibility study for the convenience in implementing a regional satellite-based ADS-B.</li> </ol>
<p><b>Contact person in the SAM Office</b></p>	<p>Mr. Fernando Hermoza ATM/SAR Regional Officer ICAO SAM Office <a href="mailto:fhermoza@icao.int">fhermoza@icao.int</a></p> <p>Mr. Francisco Almeida da Silva CNS Regional Officer ICAO SAM Office <a href="mailto:falmeida@icao.int">falmeida@icao.int</a></p>



ADJUNTO C / ATTACHMENT C

ORGANIZACIÓN DE AVIACIÓN CIVIL INTERNACIONAL  
INTERNATIONAL CIVIL AVIATION ORGANIZATION

RLA/06/901 Regional Project / Proyecto Regional RLA/06/901

VIGÉSIMO TERCER TALLER/REUNIÓN DEL GRUPO DE IMPLANTACIÓN SAM  
TWENTY THIRD WORKSHOP/MEETING OF THE SAM IMPLEMENTATION GROUP  
(SAM/IG/23)

Lima, Perú, 20 al 24 de mayo de 2019 / Lima, Peru, 20 to 24 May 2019

**FORMULARIO DE REGISTRO / REGISTRATION FORM**

1. Estado/*State*:  
Organismo/*Organization*: \_\_\_\_\_

2. Nombre/*Name*: \_\_\_\_\_

3. Cargo/*Position*: \_\_\_\_\_

4. Participa como / *Participates as*:

Miembro/  Alternativo/  Delegado/  Observador  Ponente/  Instructor/  Alumno/   
*Member Deputy Delegate Observer / Lecturer Instructor Student*

5. Tel.: \_\_\_\_\_ E-mail: \_\_\_\_\_

6. Hotel o dirección en la ciudad/ *Hotel or local address*: \_\_\_\_\_

7. 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](mailto:icaosam@icao.int); [sam\\_tc@icao.int](mailto:sam_tc@icao.int)