

PROPOSED SUBGROUPS

2.2 The formation of the following Subgroups is proposed in SAM/IG/24:

- CNS/AMHS Subgroup
 - Rapporteur: Tabaré Sardeña (CNS), tsardena@dinacia.gub.uy, Uruguay
 - AMHS focal points
- CNS/SUR Subgroup
 - Rapporteur: to be defined
 - ADS-B focal points
 - Industry representatives
- ATM/AIDC Subgroup
 - Rapporteur: Jorge Eduardo Merino Rodríguez, jmerino@corpac.gob.pe, Peru
 - AIDC focal points
 - EASA representatives
 - Industry representatives
- ATM/ACK-REJ Subgroup
 - Rapporteur: to be defined
 - States representatives
 - IATA representatives
- MET/IWXXM Subgroup
 - Rapporteur: Wallace Gutemberg Medeiros Luz, gutembergwgml@decea.gov.br, Brazil
 - Martim Matshchinske, martim@ciscea.gov.br, Brazil
 - Antonio Vicente Pereira Neto, pereiraavpn@fab.mil.br, Brazil
 - Lucio Calvalcante, luciolac@fab.mil.br, Brazil
 - Antonio Espinoza, antonio.espinoza07@gmail.com, Venezuela
 - Sabrina Rodriguez, sa.rodriguez@inac.gob.ve, Venezuela
 - Maricel Berroteran, maricel.berroteran@inac.gob.ve, Venezuela
 - Antonio Dias, adidas@atech.com.br, Atech
 - Kaori Yamaguchi, kyamaguchi@atech.com.br, Atech
 - Mariana PanzariniMarques, mmarques@atech.com.br, Atech

ACTIVITIES ALREADY CARRIED OUT

2.3 Within the framework of the AIDC and AMHS implementations, some activities were carried out that contribute to the work of the Interop TG, although the TG is not formally formed.

EASA visit to the Córdoba and Iquique ACCs

2.4 During August 1 to 6, 2019, an EASA representative, accompanied by representatives of INDRA, visited the Córdoba and Iquique ACCs, with the objective of analyzing the current status of the AIDC service among the automated systems of each center. As a result, a report was prepared with conclusions and recommendations for the administrations of Argentina and Chile.

OPMET (IWXXM) message exchange tests between Brazil and Venezuela

2.5 After previous teleconferences, on 16 October 2019, OPMET message exchange tests of an AMHS user from Venezuela with the OPMET Regional Bank of Brasilia, were carried out.

2.6 The tests consisted of including OPMET information in the OPMET Regional Bank of Brasilia and requesting the stored information. As a result, it was verified that the information was included successfully, but the requests (RQX) did not result, because format errors were verified in the request messages (RQX). After the necessary correction, new tests will be performed.

3. Suggested actions

3.1 The Meeting is invited to:

- a) Take note of the information presented and appendix; and
- b) approve the Terms of Reference of the GT Interop and its conformation.

- End -

Appendix A

GT Interop

Interoperability Task Force – SAM Region

Terms of Reference (ToR)

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RECORD OF AMENDMENTS

No.	Date	Description	Approved by
Version 1.0	20 SEP 2019	Not applicable	SAM/IG/24

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1. BACKGROUND

Interoperability concept

In the ATM system, interoperability is the ability to transfer information or effect functionality across any discontinuity to enable operations.

Within the framework of the four levels of the GANP, Level 1.- Global strategic, 2.- Global technical, 3.- Regional, 4.-National, interoperability is directly related to the second level (global technical) and is designed *to assist technical managers in scalable and cost-efficient planning* of the implementation of basic services and new operational improvements, based on specific operational and performance requirements, while ensuring harmonisation of procedures and interoperability of systems, this being understood as the ability of a product or system, whose interfaces are fully known, to operate with other existing or future products or systems, without any access or implementation restriction.

The SAM Interoperability Task Force (GT Interop) was created at the SAM/IG/22 meeting (Lima-Peru, 19-23 November 2018) to support and promote initiatives for streamlining air navigation services, and to ensure the interoperability among automated systems used by AIM, ATM, ATFM, CNS and MET users, with a view to:

- a) facilitating the exchange of information between systems implemented by States, reducing interconnection times and problems between systems;
- b) promoting a coordinated and homogeneous transition to the new services and elements set forth in the GANP; and
- c) encouraging multi-disciplinary participation of air navigation service professionals to support the SAM Implementation Group (SAM/IG) in the planning and implementation of the interconnection of systems implemented in the SAM Region.

2. OBJECTIVE (S)

- a) Support the interoperability initiatives of the SAM Implementation Group (SAM/IG);
- b) Conduct interoperability studies, reflected in initiatives of the SAM Implementation Group (SAM/IG);
- c) Guide States on interoperability issues, systematising and sharing experiences and solutions with all the States; and
- d) Coordinate the interconnection of automated systems used in air navigation services.

3. COMPOSITION AND PROFILE OF PARTICIPANTS

The GT Interop must be composed by a multi-disciplinary team of professionals from different areas that support air navigation services, information and communication technology (ICT) experts, the industry and other organisations, that will work in the conduction of studies to solve interoperability issues in the SAM Region during the process of interconnection of the implemented systems.

4. OPERATION AND RESPONSIBILITY

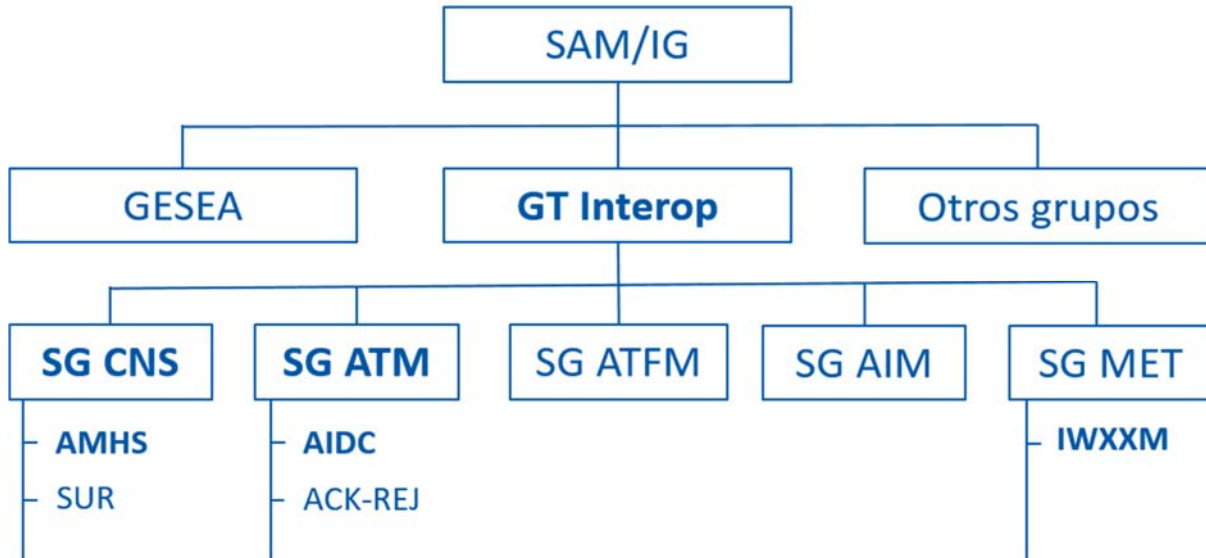
The GT Interop is dependent upon, and will report directly to, the SAM Implementation Group (SAM/IG).

The GT Interop will have a coordination core unit (NC) made up by one representative (leader) of each State, who will distribute the other representatives of its State in the active subgroups. One representative of the participating States will be designated as rapporteur of the Coordination Core Unit (NC) and another will be the alternate.

The SAM Implementation Group will activate the subgroups, and each subgroup will elect a rapporteur and an alternate. The subgroup will report directly to the Coordination Core Unit (NC) of the GT Interop.

Representatives of the industry and other organisations shall participate in the subgroups at the suggestion of the members of the Coordination Core Unit and upon approval by the SAM Implementation Group.

The members of each activated subgroup will have tasks assigned by the coordinator of the subgroup, which will need to be performed within established timeframes.



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APPENDIX A – DUTIES, OPERATION, AGENDA AND REPORTS

1. DUTIES

a. MEMBERS OF THE GT Interop (Coordination Core Unit):

- i. Elect and designate the rapporteur of the Coordination Core Unit (NC) of the GT Interop;
- ii. Give advice to the Implementation Group (SAM/IG) on the creation of subgroups;
- iii. Designate advisors who may effectively contribute to the work of the GT Interop, avoiding unnecessary replacements, which may result in inefficient work.
- iv. Ensure periodic updating of the work programme, based on the proposals of the participating States and organisations, and the proposals of the subgroups;
- v. Define work packages and deadlines for delivery of the outputs foreseen in the work programme, based on the proposals of the subgroups;
- vi. Monitor the implementation of the work programme; and
- vii. Approve the outputs to be delivered by the subgroups.

b. MEMBERS OF THE SUBGROUPS:

- i. Elect and designate the rapporteurs of the subgroups;
- ii. Designate advisors who may effectively contribute to the work of the GT Interop, avoiding unnecessary replacements, which may result in inefficient work;
- iii. Designate the rapporteurs of the subgroups, based on professional experience and profile, to coordinate activities;
- iv. Keep the GT Interop members informed of the progress made in the work by the subgroup;
- v. Request the approval of the GT Interop for the subgroup work programme update proposals; and
- vi. Submit the work performed by the subgroups to the GT Interop for approval.

2. OPERATION OF THE GT INTEROP AND ITS SUBGROUPS

- a. The meetings of the GT Interop and its subgroups may be carried out within the context of SAM/IG meetings and by teleconferences.
- b. The SAM/IG meeting to be held during the first semester can activate the subgroups of the GT Interop, with their tasks and timetable.
- c. At the SAM/IG meeting to be held on the second semester, the representatives of the Coordination Core Unit of the GT Interop will submit the progress reports or the deliverables assigned by the Implementation Group.

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- d. Prior to the SAM/IG meeting to be held on the second semester, the Coordination Core Unit may hold a face-to-face meeting to prepare the working/information papers, reports and other deliverables to be submitted to the Implementation Group;
- e. Face-to-face meetings or videoconferences will be designated as follows:
 - i. Meetings of the GT Interop: **GT Interop/[sequential number]**;
 - ii. Meetings of the NC of the GT Interop: **GT Interop/NC/[sequential number]**; and
 - iii. Subgroups: **GT Interop/SG and system/[sequential number]**.
- f. All the documentation produced by the task force and its subgroups will be posted on the specific website of the SAM Regional Office.

3. AGENDA

- a. The agenda of the GT Interop and subgroup meetings shall be delivered by the designated rapporteurs or their alternates; and
- b. The draft agenda shall be sent to the participants at least 30 days prior to face-to-face meetings and 10 days prior to teleconferences.

4. REPORT

- a. The rapporteur of the GT Interop and the rapporteurs of the subgroups shall prepare the report of face-to-face meetings or teleconferences, covering at least: the agenda, list of participants, the minutes of the meeting with a summary of discussions and conclusions reached under each agenda item.

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APPENDIX B – LIST OF PARTICIPANTS

Coordination Core Unite (NC)

Argentina

- Moira Lidía Callegare, mcallegare@anac.gob.ar

Bolivia

- Jaime Yuri Alvarez Miranda, jalvarez@dgac.gob.bo

Brasil/Brazil

- Murilo Albuquerque Loureiro, loureiromal@decea.gov.br

Chile

- Hector Patricio Ibarra Martinez, hibarra@dgac.gob.cl

Colombia

- Andrés Colmenares Rincón, andres.colmenares@aerocivil.gov.co

Ecuador

- Christian Alexis Ramos Tapia, christian.ramos@aviacioncivil.gob.ec

Panamá/Panama

- Daniel de Ávila, daniel.deavila@aeronutica.gob.pa

Perú/Peru

- Paulo Vila Millones, pvila@mtc.gob.pe

Uruguay

- Isidoro Espalter, iespalter@dinacia.gub.uy

EASA

- Juan de Mata Morales Mota, juan.morales@easa.europa.eu

- German Meyer, gm@ntu.eu

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- **CNS/AMHS Subgroup (activated at the SAM/IG/24 meeting)**
 - Rapporteur: Tabaré Sardeña (CNS), tsardena@dinacia.gub.uy, Uruguay
 - AMHS focal points

- **CNS/SUR Subgroup**
 - Rapporteur: to be defined
 - ADS-B focal points
 - Industry representatives

- **ATM/AIDC Subgroup (activated at the SAM/IG/24 meeting)**
 - Rapporteur: Jorge Eduardo Merino Rodríguez, jmerino@corpac.gob.pe, Peru
 - AIDC focal points
 - EASA representatives
 - Industry representatives

- **ATM/ACK-REJ Subgroup (activated at the SAM/IG/24 meeting)**
 - Rapporteur: to be defined
 - Representatives of two States
 - IATA representatives

- **MET/IWXXM Subgroup (activated at the SAM/IG/24 meeting)**
 - Rapporteur: Wallace Gutemberg Medeiros Luz, gutembergwgml@decea.gov.br, Brazil
 - Martim Matshchinske, martim@ciscea.gov.br, Brazil
 - Antonio Vicente Pereira Neto, pereiraavpn@fab.mil.br, Brazil
 - Lucio Calvalcante, luciolac@fab.mil.br, Brazil
 - Antonio Espinoza, antonio.espinoza07@gmail.com, Venezuela
 - Sabrina Rodriguez, sa.rodriguez@inac.gob.ve, Venezuela
 - Maricel Berroteran, maricel.berroteran@inac.gob.ve, Venezuela
 - Antonio Dias, adiaz@atech.com.br, Atech
 - Kaori Yamaguchi, kyamaguchi@atech.com.br, Atech
 - Mariana PanzariniMarques, mmarques@atech.com.br, Atech