



LIST OF WORKING PAPERS AND INFORMATION PAPERS

(Information paper presented by the Secretariat)

| Nº | Agenda Item | Subject | Presented by |
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| WORKING PAPERS | | | |
| WP/G1 | -- | Agenda, Schedule and Working Methods | Secretariat |
| WP/1.1 | 1 | Follow-up to valid conclusions adopted by SAM/IG meetings and pending activities | Secretariat |
| WP/2.1 | 2 | Follow-up to PBN implementation | Secretariat |
| WP/2.2 | 2 | Implementation of version 5 routes network | Secretariat |
| WP/2.3 | 2 | GESEA group activities | Secretariat |
| WP/2.4 | 2 | PBN in Argentina - Developments | Argentina |
| WP/2.5 | 2 | Harmonisation of the transition altitude in Argentina | Argentina |
| WP/2.6 | 2 | Airspace optimization by the use of dynamic segregation concept | Brazil |
| WP/2.7 | 2 | SAM airspace study and implementation group (GESEA) | Brazil |
| WP/2.8 | 2 | Process of creation/review of international ATS routes | Brazil |
| WP/2.9 | 2 | PBN Brazil | Brazil |
| WP/3.1 | 3 | Follow-up to ATFM implementation | Secretariat |
| WP/3.2 | 3 | Preparation of the runway and ATC sector capacity calculation manual version 1.0 | Secretariat |
| WP/3.3 | 3 | Preparation of ATFM service implementation guide for the SAM Region 2020 – 2025 (version 1.0) | Secretariat |
| WP/3.4 | 3 | Improving cross-border ATFM coordination procedures | Uruguay |
| WP/3.5 | 3 | South American regional management | Brazil |
| WP/3.6 | 3 | Training courses | Brazil |
| WP/4.1 | 4 | Follow-up to the performance and activities of REDDIG II | Secretariat |
| WP/4.2 | 4 | Implementation of the interconnection of regional IP networks (CRV/APAC, PENS/EUR and REDDIG II/SAM) | Secretariat |
| WP/5.1 | 5 | Report of the interoperability task group and sub groups | Secretariat |
| WP/5.2 | 5 | Follow up to the implementation of the AMHS interconnection | Secretariat |
| WP/5.3 | 5 | Follow-up on the performance of the AIDC implementation and operation in the SAM Region | Secretariat |
| WP/5.4 | 5 | Follow-up of the actions that mitigate the errors and the duplicity/multiplicity of flight plans in the SAM Region | Secretariat |
| WP/5.5 | 5 | Implementation of the IWXXM format in the SAM Region | Secretariat |
| WP/5.6 | 5 | Status of ADS-B implementation in the SAM Region | Secretariat |
| WP/5.7 | 5 | Follow-up to AMHS interconnection | Uruguay |
| WP/5.8 | 5 | AIDC implementation to ensure an efficient flow of information between adjacent ATS units | Venezuela |

| N° | Agenda Item | Subject | Presented by |
|---------------------------|-------------|---|--------------|
| WP/5.9 | 5 | Status of the AMHS interconnections in Brazil | Brazil |
| WP/5.10 | 5 | Implementation of the AIDC protocol in Brazil | Brazil |
| WP/5.11 | 5 | Follow-up of actions to mitigate errors and the duplicity/multiplicity of flight plans in the SAM Region | Uruguay |
| WP/6.1 | 6 | Need to strengthen cooperation and coordination efforts among car and SAM States with adjacent flight information regions | Venezuela |
| WP/6.2 | 6 | New projects under programme f on aerodromes for the CAR and SAM regions | Secretariat |
| WP/6.3 | 6 | Action taken by EANA S.E. to optimise air traffic management through measurement of indicators | Argentina |
| WP/6.4 | 6 | ATSEP courses/training | GAELICAM |
| WP/6.5 | 6 | Creation or update process of international letter of agreement | Brazil |
| WP/6.6 | 6 | Implementation of remote control tower (R-TWR) in Brazil | Brazil |
| WP/6.7 | 6 | Runway condition report (RCR) implementation in Brazil | Brazil |
| WP/6.8 | 6 | Modifications in the PANS-AIM | Brazil |
| WP/6.9 | 6 | Action plan to replace duplicated waypoints in Brazil | Brazil |
| INFORMATION PAPERS | | | |
| IP/G.1 | -- | General information | Secretariat |
| IP/G2 | -- | List of working papers and information papers | Secretariat |
| IP/2.1 | 2 | Technical cooperation of Brazil for the restructuring of Uruguayan airspace | Uruguay |
| IP/2.2 | 2 | PBN implementation in TMA spaces (<i>English only</i>) | Suriname |
| IP/2.3 | 2 | Implementation of simultaneous approaches on runways 17l and 17r of the Arturo Merino Benitez (SCEL) Airport | Chile |
| IP/2.4 | 2 | Progress on implementation of version 5 of the CAR-SAM route network | Uruguay |
| IP/3.1 | 3 | ATFM online course offered by EANA Argentina | Uruguay |
| IP/3.2 | 3 | ATFM and A-CDM in Colombia | Colombia |
| IP/3.3 | 3 | Fourth Workshop on A-CDM for the SAM Region | Secretariat |
| IP/4.1 | 4 | ATN in Brazil (ATN-BR) | Frequentis |
| IP/5.1 | 5 | Follow-up of actions to mitigate flight plan errors and duplication/multiplicity in the SAM Region | Peru |
| IP/5.2 | 5 | Status of AIDC interconnections in Chile | Chile |
| IP/5.3 | 5 | Support from EASA in ATM automation and interoperability – Workshop for the DGCA Chile | EASA |
| IP/5.4 | 5 | Space-based ADS-B implementation update | AIREON |
| IP/6.1 | 6 | Implementación de la ciberseguridad a los sistemas CNS en Colombia (<i>Spanish only</i>) | Colombia |
| IP/6.2 | 6 | Progress on implementation of ATS surveillance control in the Argentine Republic | Argentina |

| N° | Agenda Item | Subject | Presented by |
|--------|-------------|--|--------------|
| IP/6.3 | 6 | Plan de desactivación gradual de las estaciones NDB <i>(Spanish only)</i> | Peru |

| LIST OF PAPERS ACCORDING TO AGENDA ITEMS | |
|--|--|
| General | WP/G1, IP/G1, IP/G2 |
| 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 | WP/1.1 |
| Agenda Item 2: Optimization of the SAM airspace a) PBN implementation in TMA spaces b) Activities of the GESEA Group, Sub Groups and Task Groups c) Implementation of version 5 of the SAM route network and CAR interfaces | WP/2.1, WP/2.2, WP/2.3, WP/2.4, WP/2.5, WP/2.6, WP/2.7, WP/2.8, WP/2.9, NI/2.1, NI/2.2, NI/2.3, NI/2.4 |
| Agenda Item 3: Implementation of Air Traffic Flow Management (ATFM) and improvement of procedures for flow coordination between units a) Advancement of intraregional ATFM implantation b) ATFM Regional Documentation | WP/3.1, WP/3.2, WP/3.3, WP/3.4, WP/3.5, WP/3.6, IP/3.1, IP/3.2, IP/3.3 |
| 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) Implementation of the interconnection of regional IP networks (CRV/APAC, PENS/EUR and REDDIG II/SAM) | WP/4.1, WP/4.2, IP/4.1 |

| LIST OF PAPERS ACCORDING TO AGENDA ITEMS | |
|---|---|
| <p>Agenda Item 5: Operational implementation of new ATM automated systems and integration of the existing systems</p> <ul style="list-style-type: none">a) Report of the Interop WG and Subgroupsb) Monitoring the implementation of the AMHS interconnectionc) Monitoring the performance of the implementation and operation of the AIDC in the SAM Regiond) Follow-up of actions to mitigate errors and the duplicity / multiplicity of flight plans in the SAM Regione) Implementation of the IWXXM format in the SAM Regionf) ADS-B implementation in the SAM Region | <p>WP/5.1, WP/5.2, WP/5.3, WP/5.4, WP/5.5, WP/5.6, WP/5.7, WP/5.8, WP/5.9, WP/5.10, WP/5.11, IP/5.1, IP/5.2, IP/5.3, IP/5.4</p> |
| <p>Agenda Item 6: Other business</p> | <p>WP/6.1, WP/6.2, WP/6.3, WP/6.4, WP/6.5, WP/6.6, WP/6.7, WP/6.8, WP/6.9, IP/6.1, IP/6.2, IP/6.3</p> |

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 carry out a review of the status of application of the conclusions and decisions adopted during the Twenty-Third Meeting of the SAM Implementation Group (SAM/IG/23), as well as the conclusions and valid decisions of the previous SAM/IG meetings. Likewise, the results of air navigation meetings at global, interregional and intraregional levels, and relevant aspects of the 40th ICAO Assembly will be presented. The Meeting will review the activities for the adoption of the GANP sixth edition, the formulation of Volume III of the ANP and the management of data and performance indicators (KPI) of the GANP.

Agenda Item 2: Optimization of the SAM airspace

- a) **PBN implementation in TMA spaces**
- b) **Activities of the GESEA Group, Sub Groups and Task Groups**
- c) **Implementation of version 5 of the SAM route network and CAR interfaces**

Under this agenda item, the Meeting will analyze the progress in the implementation of the Action Plan for the Optimization of Airspace. States must present the PBN designs progress status of TMAs. Same way, the Meeting will review the progress in the effective implementation of the reduction of longitudinal separation of en-route aircraft, including interregional coordination. Topics related to the development of the optimized route network version 5 will be reviewed, including CAR SAM interfaces. The report on activities of the GESEA Study Group and its support subgroups will be received. States can take advantage of this meeting to update their operational letters of agreement (LOAs).

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

- a) **Advancement of intraregional ATFM implantation**
- b) **ATFM Regional Documentation**

Under this Agenda item, the Meeting will review and monitor the implementation of the ATFM. It seeks to strengthen the ATFM nodes of the States so that an inter-nodal network and/or a combination of this network with centralized units is constructed. The updated documentation to support ATFM implementation, prepared under the auspices of Project RLA/06/901, will be submitted for analysis and approval of the Workshop/Meeting.

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) Implementation of the interconnection of regional IP networks (CRV/APAC, PENS/EUR and REDDIG II/SAM)**

The Meeting will analyze the performance of REDDIG II and the MEVA III/REDDIG II interconnection as well as the results of the safety analysis in REDDIG II. Likewise, the Meeting will receive information on the implementation of the “Additional Nodes” of the REDDIG II terrestrial network by States / Organizations of other regions and the initiative to implement the interconnection of REDDIG II with other regional IP networks (CRV and PENS). Likewise, the progress in the implementation of the remaining activities considered in the D1 *Arquitectura* ATN project will be analyzed. 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) Report of the Interop WG and Subgroups**
- b) Monitoring the implementation of the AMHS interconnection**
- c) Monitoring the performance of the implementation and operation of the AIDC in the SAM Region**
- d) Follow-up of actions to mitigate errors and the duplicity / multiplicity of flight plans in the SAM Region**
- e) Implementation of the IWXXM format in the SAM Region**
- f) ADS-B implementation in the SAM region**

The Meeting will take note of the progress made in the formation of the Interop WG, reviewing the terms of reference, composition, establishment of the initial activities of the WG and schedule. The Meeting will analyze the progress in the status of implementation of the activities contemplated in the action plan for the interconnection of AMHS systems in the SAM Region. In this regard, States are expected to report the activities carried out for the implementation of the AMHS interconnection, as well as the plans to complete said implementation. The Meeting will also analyze the progress in the implementation and operation of AIDC since the SAM/IG/22 Meeting. States are expected to report the activities carried out for the implementation of the AIDC interconnection, as well as the actions carried out to mitigate errors in flight plans. Likewise, the progress in the implementation of the remaining activities considered in the GREPECAS Automation C1 project will be analyzed. Finally, the action plan for the implementation of ADS-B and the progress in the implementation of the remaining activities considered in Project C2 will be monitored - Improvement of ATM situational understanding and implementation of the remaining activities considered in Project D2 - ATN Land-Earth and Earth-Air applications. This issue is related to the ASBU B0-FICE, B0 ASUR and B0-APTA module.

Agenda Item 6: Other business

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