



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

**EVOLUTION AND FOLLOW UP ON ATFM IMPLEMENTATION IN PARAGUAY**

(Presented by Paraguay)

**SUMMARY**

This Information Paper aims to report on the mitigation actions taken by the State, with respect to the optimization of human and technological resources in the ATFM field.

**References:**

- SAM/IG/22 Meeting report
- GREPECAS/18 Meeting report

**1. Introduction**

1.1 With the intention to boost and optimize the FMU units and ATFM dependencies implemented within the FIR Asuncion, a meticulous analysis of existing processes requiring an appropriate follow-up to enhance its compliance was made. The assessment determined the need for human talent trained in the ATFM field.

1.2 In this regard, the State takes action in order to have staff trained in ATFM strategic measures that can facilitate ATFM functions and strengthen the provision of service at intra- and inter-regional levels.

**2. Discussion**

2.1 After the GREPECAS/18 conclusion on having trained staff on the strategic measures ATFM for airspace, the updating process of the AFTN was resumed in June 2018, with the participation of human talents in the ATFM Seminar, which main topic was the updating of Doc 9971 Manual on collaborative air traffic flow management.

2.2 On August same year, a Cooperation Agreement between DECEA and DINAC was signed which includes three important training topics that affect this structure, such as calculation of runway capacity, and ATC and ATC sectors capacity

2.3 With base on the Conclusion of SAM/IG/22 “*Support in the implementation of the intraregional and interregional ATFM*”, it could be verified that one of the factors that impact negatively in the good development of the ATFM, is the lack of staff specifically dedicated to this activity, taking as example that the traffic flow is growing and changing, allowing the exchange of operational experiences,

technical knowledge, begins the training of human resources in the ATFM area.

***Accions concluded***

2.4 The training received was oriented on developing and applying initiatives and basic traffic management proceedings in order to find a balance between the demand and the ATFM capacity of the system implemented.

2.5 Once the needs were defined, the training process of the Paraguay ATFM service provider begun in October 2018, with courses on Capacity of runway system and ATC Capacity (concluded on November 2018) which were delivered in the facilities of the Departamento de Control del Espacio Aéreo DTECEA, in Foz de Iguazu-Brazil and the Instituto Nacional de Aeronautica Civil/INAC-Paraguay.

2.6 In February 2019, the service providers imparted an ATFM course. The first phase was carried out at CINDACTA II – Curitiba/Brazil and the final phase in the Centro de Gerenciamiento de Navegación Aerea (CGNA) Rio de Janeiro.

***Actions on progress***

2.7 To comply with **Appendix I** of the final report of GREPECAS/18, relating to the updating of the calculation runway capacity, the capacity of the ATC sector in the Silvio Pettirossi international airport, the calculation of the runway capacity if Guarani airport, is foreseen to be completed by September 2019.

2.8 Likewise, manuals on calculation runway capacity and calculation of ATC sector capacity are being updated according to current requirements that will allow the application of standardized criteria concurring with the region.

2.9 To finalize this information paper, with the implementation of Sagitario System it is foreseen the implementation of a FMU unit in the Asuncion ACC, Mariano Roque Alonso which will be connected to the Centro de Gerenciamiento de Navegacion Aerea/CGNA Brazil through SIGMA system.

**3. Suggested actions**

3.1 The meeting is invited to take note on the information provided.

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