



International Civil Aviation Organization

CAR/SAM Regional Planning and Implementation Group (GREPECAS)

Tenth Meeting of the GREPECAS Aeronautical Information Services Subgroup (AIS/MAP/SG/10)

Caracas, Venezuela, 26 February - 02 March 2007

AIS/MAP/SG/10-WP/11

01/02/07

Agenda Item 4:

Review of Implementation Aspects

4.1 Review of the latest actions adopted with regard to the implementation of the NOTAM Data Banks in the CAR/SAM Regions

NOTAM DATA BANKS

(Presented by the Secretariat)

SUMMARY

This Working Paper evaluates the problematic regarding the implementation of the NOTAM Data Banks in the CAR/SAM Regions.

References:

- AIS/MAP/SG/9 Meeting (Santo Domingo, Dominican Republic 13 to 17 June, 2005).
- Report of the GREPECAS/13 Meeting (Santiago, Chile, 14 to 18 November, 2005).

1. Introduction

1.1 The main objective of this Working Paper is to make a thorough review of all actions adopted as coordinated efforts for the establishment of NOTAM Data Banks in the CAR/SAM Regions. Through the study of the information presented, the Meeting can be in better conditions to take the required steps in order to promote any action that could give a practical solution to the problematic of establishing of a NOTAM database in the CAR/SAM Regions.

2. Background

2.1 The AIS/MAP/SG/9 Meeting analysed the problematic regarding the implementation of National NOTAM Data Banks (NASC), in direct support to the CAR/SAM Integrated Automated AIS System. As a result of the analysis in respect of the actions adopted by the States and pertinent ICAO Offices to promote the implementation of NOTAM Data Banks, the Meeting carried out a new evaluation on this matter and reviewed, for its update, the information on the level of implementation of the NOTAM Data Banks by the States of the CAR/SAM Regions. The Meeting, also, considered some basic guidelines to orient CAR/SAM States/Territories on the problem of using automated systems in AIS Services and, particularly, regarding the urgent need to implement National NOTAM Data Banks (NASC) in their respective AIS services.

2.2 Based on the information provided for the analysis of this matter, the AIS/MAP/SG/9 Meeting noted the great difficulty still being faced by some States of the CAR/SAM Region to implement their respective National NOTAM Data Banks (NASC). In this regard, and with a view to be able to guarantee the availability of NOTAM information in the CAR/SAM Regions, the Meeting agreed to adopt Draft Conclusion 9/13 (Action to ensure availability of NOTAM information in the CAR/SAM Regions) in order to promote the implementation of the referred facilities by the States concerned.

2.3 Based on the work developed by the AIS/MAP/SG/9 Meeting on this matter and by GREPECAS/13 Meeting, and considering the difficulties still being faced by some States/Territories/Organizations for the implementation of National NOTAM Data Banks (NASC) in both regions, GREPECAS/13 endorsed the Draft Conclusion of the AIS/MAP Subgroup adopting **Conclusion 13/42** presented hereunder. This conclusion promotes the development of operational agreements among the States in order to establish responsibility for the storage and availability of NOTAM information. On the other hand, GREPECAS/13 Meeting took note that Brazil, Cuba and COCESNA had offered to assist the States, that so require, to advance in the implementation of the respective NASC.

**CONCLUSION 13/42 ACTION TO ENSURE THE AVAILABILITY OF NOTAM
INFORMATION OF THE CAR/SAM REGIONS**

That, considering the difficulties faced by some CAR/SAM States/Territories to implement National NOTAM Data Banks (NASCs) in their AIS services (see Appendix W to this part of the Report), it would be advisable to take the necessary actions:

- a) *to coordinate operational agreements aimed at ensuring at all times the storage and effective availability of NOTAM information in the CAR/SAM Regions;*
- b) *so that the agreements between States/Territories/International Organizations mentioned under paragraph a) be coordinated and adopted as shown in Appendix X to this part of the Report; and*
- c) *so that these may be established, formalized and implemented as soon as possible, as appropriate.*

3. **Discussion**

3.1 As a result of the above regarding the actions adopted to promote the implementation of NOTAM Data Banks in direct support to the CAR/SAM Integrated Automated AIS System, it would be of utmost importance that this Meeting carries out a new evaluation on the level of implementation of the facilities indicated above, within the CAR/SAM Regions, for this purpose it would be necessary to request the assistance that Brazil, Cuba and COCESNA have offered the States to advance in the implementation of the respective NASCs, with a view to inform the Meeting on the a progress achieved on this matter. **Appendix A** to this working paper is presented for consideration of the Meeting, so that the respective analysis is made and the corresponding actions are taken, as necessary.

4. **Suggested Action**

4.1 With regard to the issues dealt with in this working paper, including the material presented in the **Appendix**, the Meeting should consider that other actions could be adopted in order to orient concerned States of the CAR/SAM Regions on the problematic related to the lack of implementation of the respective National NOTAM Data Banks (NASC) in their International NOTAM Offices (NOF), mainly regarding the lack of making use of the support offered on this matter by Brazil, Cuba and COCESNA.

5. **Action by the Subgroup**

5.1 The Meeting is invited to:

- a) take note of the contents of this Working Paper and of the Appendix; and
- b) if necessary, adopt the actions that might be required.

APÉNDICE A / APPENDIX A
ACUERDOS PARA GARANTIZAR LA DISPONIBILIDAD DE INFORMACIÓN
NOTAM EN LAS REGIONES CAR/SAM
AGREEMENTS TO ENSURE THE AVAILABILITY OF NOTAM INFORMATION IN THE
CAR/SAM REGIONS

ESTADOS QUE PODRIAN PROVEER SISTEMAS	NOF QUE REQUIEREN DE APOYO DE NASC	ACUERDOS OPERACIONALES ENTRE ESTADOS	PERIODO PARA ACUERDOS
STATE WHICH COULD PROVIDE SYSTEMS	NOF REQUIRING SUPPORT OF NASC	OPERATIONAL AGREEMENTS BETWEEN STATES	PERIOD FOR AGREEMENTS
BRASIL / BRAZIL	NOF GUAYAQUIL	BRASIL: SOFTWARE/ ENTRENAMIENTO (SOFTWARE/TRAINING) ECUADOR: HARDWARE /PERSONAL (HARDWARE/PERSONNEL)	2005 - JUNIO 2006 / (2005 - JUNE 2006)
BRASIL / BRAZIL	NOF LA PAZ	BRASIL: SOFTWARE/ ENTRENAMIENTO (SOFTWARE/TRAINING) BOLIVIA: HARDWARE/ PERSONAL (HARDWARE/PERSONNEL)	2005 - JUNIO 2006 / (2005 - JUNE 2006)
CHILE	NOF ASUNCIÓN	CHILE: NASC/ ENTRENAMIENTO (NASC/TRAINING) PARAGUAY HARDWARE PERSONAL (HARDWARE/PERSONNEL)	2005 - JUNIO 2006 (2005 - JUNE 2006)
COCESNA	NOF TOCUMEN	COCESNA: NASC/ ENTRENAMIENTO (NASC/TRAINING) PANAMA: HARDWARE/ PERSONAL (HARDWARE/PERSONEL)	2005 - JUNIO 2006 (2005 - JUNE 2006)
CUBA	NOF SANTO DOMINGO	CUBA: SOFTWARE/ ENTRENAMIENTO (SOFTWARE/TRAINING) REPUBLICA DOMINICANA: HARDWARE/PERSONAL DOMINICAN REPUBLIC: (HARDWARE/PERSONNEL)	2005 .- JUNIO 2006 (2005 - JUNE 2006)
CUBA	NOF MAIQUETIA	CUBA: SOFTWARE/ ENTRENAMIENTO (SOFTWARE/TRAINING) VENEZUELA: HARDWARE /PERSONAL (HARDWARE/PERSONEL)	2005 - JUNIO 2006 (2005 - JUNE 2006)

ESTADOS QUE PODRIAN PROVEER SISTEMAS STATE WHICH COULD PROVIDE SYSTEMS	NOF QUE REQUIEREN DE APOYO DE NASC NOF REQUIRING SUPPORT OF NASC	ACUERDOS OPERACIONALES ENTRE ESTADOS OPERATIONAL AGREEMENTS BETWEEN STATES	PERIODO PARA ACUERDOS PERIOD FOR AGREEMENTS
URUGUAY	NOF EZEIZA	URUGUAY: SOFTWARE/ ENTRENAMIENTO (SOFTWARE/TRAINING) ARGENTINA: HARDWARE /PERSONAL (HARDWARE/PERSONNEL)	2005 - JUNIO 2006 (2005 - JUNE 2006)
TRINIDAD Y TOBAGO / TRINIDAD & TABAGO	NOF GEORGETOWN NOF KINGSTON	TRINIDAD Y TOBAGO: NASC/ENTRENAMIENTO (NASC/TRAINING) GUYANA-JAMAICA: HARDWARE / PERSONAL (HARDWARE/PERSONNEL)	2005 - JUNIO 2006 (2005 - JUNE 2006)
TRINIDAD Y TOBAGO / TRINIDAD & TABAGO	(*NOF CURACAO (*NOF PARAMARIBO (*NOF PORT-AU-PRINCE	TRINIDAD Y TOBAGO NASC/ENTRENAMIENTO (NASC/TRAINING) CURACAO-SURINAME-HAITI: HARDWARE/PERSONAL (HARDWARE/PERSONNEL)	2005 - JUNIO 2006 (2005 - JUNE 2006) (* SE REQUIERE USO DEL INGLES (* (ENGLISH LANGUAGE REQUIRED)

Nota: Aquellos Estados que se indican en la Tabla de arriba, con Oficinas NOTAM Internacionales (NOF) asistidas por un NASC de otro Estado, como parte del acuerdo operacional regional, para garantizar la disponibilidad de información NOTAM en las Regiones CAR/SAM, que pudieran haber establecido su propio Banco de Datos NOTAM Nacional (NASC), previo a la fecha que se indica como límite para hacer efectivo los respectivos acuerdos operacionales, deberán informar lo antes posible sobre este hecho a la oficina Regional OACI que corresponda por ubicación geográfica, para lo cual quedaría automáticamente exento del acuerdo operacional que se indica en la Tabla de arriba. Aquel Estado que por conveniencia operacional y/o por facilidad de interconexión deseara establecer acuerdo operacional con un Estado distinto al que se le esta asignado en la referida tabla, quedará a su libre criterio, siempre y cuando se garantice en todo momento la disponibilidad de información NOTAM sobre su área de responsabilidad.

Note: Those States indicated on the Table above, having International NOTAM Offices (NOF), which as part of the regional operational agreements should be assisted by the national data bank (NASC) of other State to guarantee the availability of NOTAM information in the CAR/SAM Regions, which could have implemented their own NASC system previous to the date established as for the effectiveness of the referred operational agreements, should inform of this fact, as soon as possible, to the concerning ICAO Regional Office (NACC or SAM), in order to be automatically exempted of any responsibility with respect to the agreements indicated in the above Table. Such State which for any operational convenience, and/or for interconnection facility, would like to establish NOTAM operational agreements with another State different to such indicated in the above Table, could be free to take such decision, providing that the NOTAM information with respect to its area of responsibility is made available in any time.