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North American, Central American and Caribbean Office

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NACC/DCA/2-WP/16

05/08/05

Agenda Item 3: Air Navigation Services

3.2 Air Navigation Deficiencies

GREPECAS AIR NAVIGATION DEFICIENCIES DATABASE

(Presented by the Secretariat)

SUMMARY

This paper presents information on the GREPECAS Air Navigation Deficiencies Database (GANDD) allowing secure on-line access to the deficiencies of the CAR/SAM States, Territories and some select International Organizations.

1. Introduction

1.1 The ICAO NACC and SAM Regional Offices developed a database of the CAR/SAM Air Navigation Deficiencies using Microsoft Access software as a uniform methodology for identification, assessment and reporting of air navigation deficiencies from the Regional Offices and the GREPECAS Mechanism.

1.2 This database resulted from the work developed during a Special Implementation Project approved by the ICAO Council as a follow-up to the Reports of GREPECAS/10 and GREPECAS/11 Meetings, where the States/Territories/International Organizations expressed their interest in establishing a methodology to allow on-line access to deficiencies information and to update it with appropriate corrective measures.

2. Project description

2.1 The access procedure to the database enables an effective, constant and secure reference so that States and Territories of the CAR/SAM Regions and some select International Organizations may examine in real time the information on deficiencies and report changes to their respective air navigation deficiencies in relation to data management, classification and presentation, including Action Plans for their solution.

2.2 The necessary measures have been taken to prevent unauthorized access to the general public, as well as to retain control of the validation and publication of deficiencies by the ICAO Regional Offices. This will benefit States, Territories, International Organizations, GREPECAS mechanism and ICAO, to improve the diffusion and to facilitate handling and follow-up of the information contained in the CAR/SAM Regions Air Navigation Deficiencies Database.

2.3 The project, including preparatory activities, started in August 2004, finalized in September 2004 is available, in English and Spanish, and can be accessed through the ICAO web page of the NACC Office.

2.4 A State letter Ref: N 1/15.8-1374 dated 18 October 2004 and follow-ups Ref: N 1/15.8-0112 dated 28 January 2005 and N 1/15.8-0754 dated 11 July 2005 were sent to States/Territories/International Organizations of the NAM and CAR Regions which included all access instructions required to keep the States/Territories and users informed on a “current” basis of the air navigation deficiencies in the ICAO Regions.

2.5 Also, the following meetings received presentations of detailed information regarding the GREPECAS Air Navigation Deficiencies Database (GANDD):

CA DCAS/91, CA/ANE/WG/3, C/CAR/DCAS/7, E/CAR/DCAS/19, E/CAR/WG/29.

2.6 States/Territories/International Organizations are able to access the GANDD at the following electronic address: www.mexico.icao.int/bases using an assigned username and password. The access instructions are depicted in **Appendix A** to this Working Paper.

2.7 **Appendix B** to this Working Paper shows the status of requests by States in the NAM/CAR Regions to access the GANDD, as well as the States that have requested updates to the database.

3. Action by the Meeting

3.1 The Meeting is requested to:

- a) take note of the content of this paper; and
- b) take advantage of this electronic tool and provide updated information.

APPENDIX A

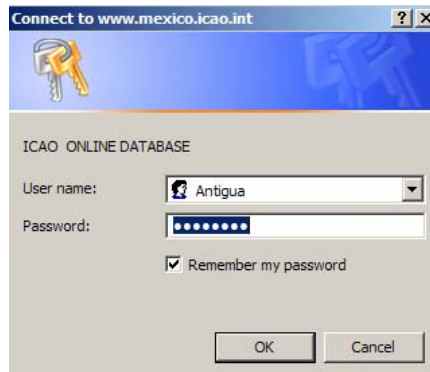
**SPECIAL IMPLEMENTATION PROJECT
PUBLICATION OF THE CAR/SAM AIR NAVIGATION DEFICIENCIES
VIA INTERNET**

With the purpose of providing on-line access to the Air Navigation Deficiencies Database and that States/Territories in the CAR/SAM Regions have an appropriate way to identify, assess and report changes, an application to publish the Database through the Internet has been implemented in such a way that a timely follow-up can be given by using this technology.

This application has been finished and is available for the States/Territories of the CAR/SAM Regions through the link “GREPECAS AIR NAVIGATION DEFICIENCIES DATABASE (GANDD)” available in the following address: www.icao.int/nacc

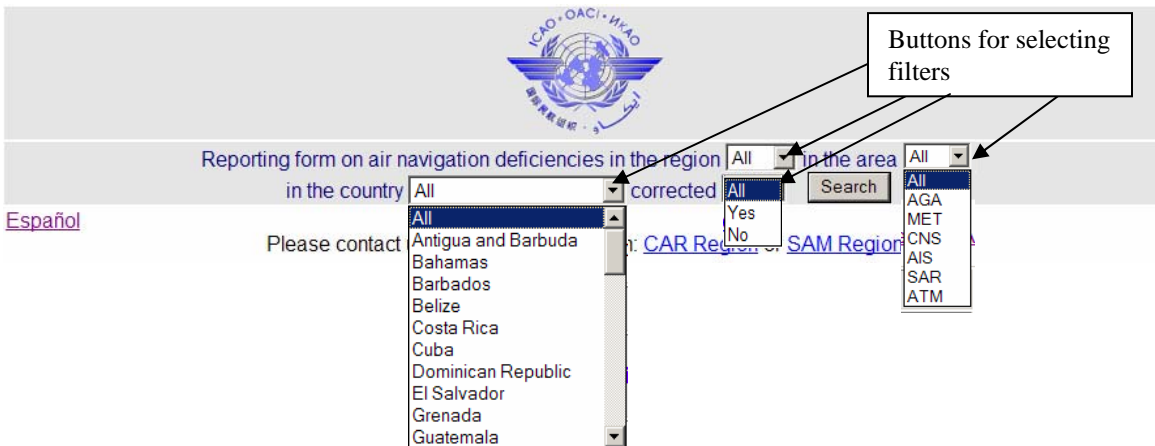
When accessing this link a header will open where some selection buttons will appear for filtering the search of some deficiencies in particular (it is recommended to use a resolution screen of 1024 x 768 pixels even though it is also possible to work with 800x600 pixels).

Access to this site is restricted with the use of a username and a password which will be requested at the moment of accessing the corresponding link.



In accordance with the username used, the deficiencies corresponding to that State will initially appear, however, it is also possible to see the global information by using the corresponding filters.

Filters can be created by selecting the Region, Area, State and corrected fields.



Once the combination of these is selected, press the button “Search” and the table or tables containing the requested information will show as follows:

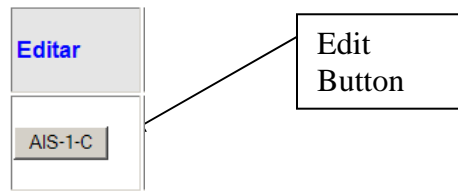
Records found for region CAR in the area AGA in Costa Rica

Identification			Deficiencies			Corrective Action			
Edit	Requirements	States/ Facilities	Description	Date First Reported	Remarks	Description	Executing Body	Date of Comple- tion	P
AGA-44-C	Visual Aids (Annex 14, Vol. I, Chap. 5 and ANP, Table AOP 1)	Costa Rica, ALAJUELA, Juan Santamaria Intl.	Non standard TWY markings and non standard signs	1996	IFALPA Meeting November 2000	Replaced by deficiency AGA 232 C	Costa Rica	2002	A
AGA-86-C	Bird Strike Hazards (Annex 14, Vol. I, Chap. 9.5)	Costa Rica, ALAJUELA, Juan Santamaria Intl.	Bird strikes reported, sanitary landfills located in the vicinity of airport	2000	ASB/4 Review	Undertake bird hazard assessment to identify mitigation measures	Costa Rica	2002	U
AGA-76-C	Pavement Surface Conditions (Annex 14, Vol. I, Chap. 9.4)	Costa Rica, ALAJUELA, Juan Santamaria Intl.	Excessive rubber deposit on runway surface resulting in poor friction characteristics - Ref. Annex 14, Vol. I, Section 9.4.10	2000	IATA Report December 2000	Remove rubber from runway surface	Costa Rica	2002	U

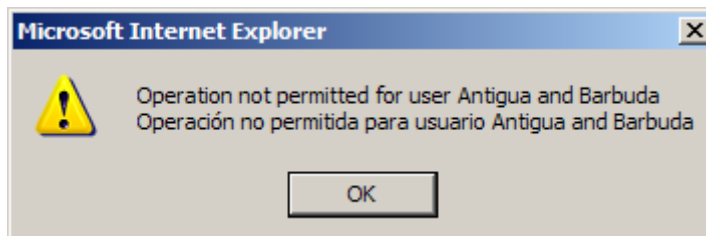
Initially the information will be presented in English, if the information is required in Spanish, press the button of language shown in the upper left corner of the page.

The information shown is the present information captured in the databases of each one of the CAR/SAM Regional Offices.

The intention of showing the databases through the Internet is for Contracting States/Territories to see the information at any moment and request its change and/or update. For this purpose a capture form has been created that could be displayed for each deficiency by pressing the buttons of the column “Edit”.



Only those users whose name and password correspond to the deficiency edited will be the ones authorized for its edition, on the contrary a message similar to the following will be shown:



In case the edition is authorized, a form with the information of the selected deficiency will appear as shown below:

Id	Area	Region	Subregion	Requirement	State	Corrected
90	AGA	CAR	ECAR	ANNEX	Antigua and Bar	2000

Requirements
Runway Strip (Annex 14, Vol. I, Chap. 3.3, 3.3.4, 6 & 15)

States/Facilities
Antigua and Barbuda, ST. JOHNS, V. C. Bird Intl

Description
Runway strip width is insufficient and contains objects in the following areas: West and east runway ends – concrete pits East runway end – fence, road & sea West runway end north side – fence, road, terrain, vegetation & buildings North side – apron, parallel taxiway and closed runway used for parking aircraft Central portion south side – fence & terrain

Date First Reported
07/2001

Remarks
ICAO Visit July 2001

Description/Corrective Action
Remove or modify objects located in the runway strip and widen the runway strip. Reduce the runway declared distances by approximately 100 m.
Action Plan: Development of new apron planned.

Executing Body
Antigua and Barbuda Ministry of Aviation

Completion_date
2003/2005

Priority
A

Submit

The request for changing and/or updating the information should be captured directly on such form in the fields allowed, either in Spanish or English, and once done press the Button “Submit”.

The same procedure should be followed for each Registry willing to be modified.

The modified information of each registry will be sent via e-mail to the Regional Office concerned, NACC or SAM, according to the selected State, however, the database will not reflect immediately the requested changes. Those changes will be previously validated by the Regional Officer in each area before being updated in the database.

Updates to the databases published in the Web will be made periodically, at least 45 days or less which will be decided by each area officer.

APPENDIX B / APÉNDICE B

GREPECAS AIR NAVIGATION DEFICIENCIES DATABASE
BASE DE DATOS DEL GREPECAS SOBRE DEFICIENCIAS EN LA NAVEGACIÓN AÉREA

STATE/TERRITORY/INTERNATIONAL ORGANIZATIONS ESTADO/TERRITORIO/ORGANIZACIONES INTERNACIONALES	WITH ACCESS/ CON ACCESO	AMENDMENT S/ ENMIENDAS
Antigua and Barbuda/Antigua y Barbuda		
Bahamas		
Barbados	YES/SI	
Belize/Belice		
Costa Rica		
Cuba		
Dominican Republic/República Dominicana		
El Salvador	YES/SI	
Grenada/Granada		
Guatemala		
Haiti		
Honduras	YES/SI	
Jamaica		
Mexico		
Nicaragua	YES/SI	
Saint Lucia/Santa Lucía		
Saint Vincent and the G./San Vicente y las Granadinas	YES/SI	
Trinidad and Tobago/Trinidad y Tabago		
United States/Estados Unidos	YES/SI	YES/SI
Anguilla	*	
Aruba		
Bermuda	*	
Cayman Islands/Islas Caimanes	*	
Montserrat	*	
Netherlands Antilles/Antillas Neerlandesas		
Turks and Caicos/Islas Turcas y Caicos	*	
Dominica		
Saint Kitts and Nevis/San Kitts y Nevis		
British Virgin Islands/Islas Vírgenes Británicas		
IATA		
COCESNA	YES/SI	
IFALPA	YES/SI	
IFATCA		
ACI		
UK*	YES/SI	

*UK is in charge of UK Territories/UK está a cargo de los Territorios del UK