



ICAO

International Civil Aviation Organization  
South American Regional Office  
Second SAM Region AGA/AOP Focal Points Meeting  
(SAMAGA/02)  
*Video Teleconference, 20, 21 & 22 June 2022*

---

**Agenda Item 3: CAPACITY AND EFFICIENCY IN AERODROME OPERATIONS**

**GREPECAS PROJECT F3 ON A-CDM IMPLEMENTATION STATUS**

(Presented by Secretariat)

**SUMMARY**

This note shows a summary of the GREPECAS F3 project on A-CDM Implementation status, for the SAM Region.

**1. INTRODUCTION**

1.1 Following up on the decisions emanating from the GREPECAS/18 and eCRPP/02 Meetings, the Aerodromes Program F carries out the following projects:

- a. Project F1: *Aerodromes Certification and Operational Safety*
- b. Project F2: *Aerodrome Planning*
- c. Project F3: *A-CDM Implementation*

1.2 In relation to the F3 project, it has its origins after several events related to the A-CDM concept that have been carried out in the SAM Region since 2015. In light of capacity problems in several important airports in the Region and the need to use the existing capacity more efficiently while the necessary infrastructure works are carried out, aerodrome operators and some States had initiated efforts to implement A-CDM, part of the GANP's ASBUS, on their own, without following any guide or harmonized regional agreement.

1.3 The Regional Office identified the risk that these implementations could increase the probability of inconsistencies between States in the Region, negatively affecting users and future efforts to ensure adequate interoperability in the Region.

1.4 For this reason, an A-CDM implementation project in selected airports is presented to GREPECAS, so that a harmonized and scalable implementation can be guaranteed, in accordance with the efforts that are currently being carried out, such as the ATFM implementation. The A-CDM Project was approved at the 5th CRPP meeting (2019). Then, due to COVID-19, many of the congested airports (those where A-CDM full implementation would be applicable) have been affected in their traffic volume. However, the "information sharing" element is still applicable and useful oriented to the restarting and recovering operations situation to their transition to normality.

1.5 These project efforts are focused on supporting the A-CDM B0/1 Airport Collaborative Information Sharing Platform implementation, so that airports have a robust base for the construction of the following improvements (APOC, TAM, etc.).

## 2. DISCUSSION

2.1 The project has an initial implementation strategy as follows:



2.2 A summary of the first phase is indicated below:

<i>Year</i>	<i>Name</i>	<i>Link</i>
2015	A-CDM Implementation Seminar/Workshop	<a href="https://www.icao.int/SAM/Pages/MeetingsDocumentation.aspx?m=2015-ACDM">https://www.icao.int/SAM/Pages/MeetingsDocumentation.aspx?m=2015-ACDM</a>
2016	Second A-CDM Implementation Workshop/Seminar	<a href="https://www.icao.int/SAM/Pages/MeetingsDocumentation.aspx?m=2016-ACDM2">https://www.icao.int/SAM/Pages/MeetingsDocumentation.aspx?m=2016-ACDM2</a>
2017	Third Seminar/Workshop on the Implementation of Airports – Collaborative Decision Making (A-CDM)	<a href="https://www.icao.int/SAM/Pages/2017-ACDM.aspx">https://www.icao.int/SAM/Pages/2017-ACDM.aspx</a>
2019	Fourth Seminar/Workshop on ACDM	<a href="https://www.icao.int/SAM/Pages/MeetingsDocumentation.aspx?m=2019-06901-ACDM4">https://www.icao.int/SAM/Pages/MeetingsDocumentation.aspx?m=2019-06901-ACDM4</a>
2021	Implementation Meeting of A-CDM States-Industry (Project F3 GREPECAS)	<a href="https://www.icao.int/SAM/Pages/ES/MeetingsDocumentation_ES.aspx?m=2021-RLA06901-ACDM">https://www.icao.int/SAM/Pages/ES/MeetingsDocumentation_ES.aspx?m=2021-RLA06901-ACDM</a>

2.3 As the project second phase, a survey was conducted to the States on the A-CDM implementation status . The results of the survey can be found at:

[https://www.icao.int/SAM/Pages/ES/eDocuments-v18\\_ES.aspx?area=AGA&cat=ACDM](https://www.icao.int/SAM/Pages/ES/eDocuments-v18_ES.aspx?area=AGA&cat=ACDM)

2.4 Finally, under the RLA06/901 project auspices, work was carried out together with an expert from Eurocontrol and with CANSO and IATA support in the preparation of a A-CDM regional guide, which can be obtained at the link:

[https://www.icao.int/SAM/Pages/ES/eDocuments-v18\\_ES.aspx?area=AGA&cat=ACDM](https://www.icao.int/SAM/Pages/ES/eDocuments-v18_ES.aspx?area=AGA&cat=ACDM)

2.5 A project status detail is attached as "**Attachment A**" to this information note.

### 3. NEXT STEPS

3.1 With the addition of a new project coordinator, the project implementation strategy is expected to take new turns to allow the A-CDM implementation to continue and its incorporation into regional planning.

3.2 Currently, a data-based criterion must be worked on to evaluate which aerodromes are applicable for implementation. Initially, only annual traffic had been considered, however, there are several aerodromes that despite not having much traffic would benefit from A-CDM B0/1 implementation.

— END —



**ATTACHMENT “A” – Project Description and Status**

<b>SAM Region</b>	<b>PROJECT DESCRIPTION (PD)</b>	<b>DP N° F3</b>	
<i>Program</i>	<b>Project Title</b>	<b>Start date</b>	<b>End date</b>
<i>Aerodromes</i>  (Program Coordinator: Fabio Salvatierra RO AGA ICAO)	A-CDM Implementation  Project Coordinator: Sady Beaumont - PERU	July 2019	July 2025
<b>Objective</b>	The project main objective is to support the implementation of the selected elements of A-CDM, as A-CDM has been globally identified as a way to increase capacity at the airport by increasing awareness of the situation of all stakeholders involved by exchanging information that lead to a better collaborative decision-making process, especially during the airport change process.		
<b>Scope</b>	Selected aerodromes (high density or other parameter) of the SAM Region.		
<b>Metrics</b>	<ul style="list-style-type: none"> <li>• % of applicable international aerodromes that have implemented improved airport operations through the CDM-airport (applicable = high density) (measurement of phases by aerodrome)</li> <li>• GANP KPI01, KPI02, KPI10, KPI13, KPI14</li> </ul>		
<b>Strategy</b>	<ul style="list-style-type: none"> <li>• That States support the need to implement A-CDM element B0 / 1 at selected aerodromes.</li> <li>• Prepare Guidance Material to establish common rules and criteria for the exchange of information and the implementation of selected elements.</li> <li>• States endorse and implement regional guide to guarantee harmonization.</li> <li>• Implementation by aerodrome following 4 steps:               <ul style="list-style-type: none"> <li>○ Information phase</li> <li>○ Analysis Phase</li> <li>○ Implementation Phase</li> <li>○ Operational Phase</li> </ul> </li> <li>• Direct assistance to start pilot projects at selected aerodromes, with the support of States, international organizations and experts in the field.</li> </ul>		

<b>Goals</b>	<ul style="list-style-type: none"> <li>Uniform, harmonized but scalable concept application at regional level</li> <li>Regional networks integration</li> <li>Delays reduction</li> <li>Better utilization of existing capacity</li> </ul>
<b>Justification</b>	The A-CDM Project was approved at the PPRC 5th meeting (2019), therefore, the planning and actions of the project were just beginning with seminars in both regions. However, due to COVID-19 reasons, many of the congested airports (those where the full implementation of A-CDM would be applicable) have been affected in their traffic volume. However, the element of “information sharing” continues to be applicable and useful oriented to the situation of restarting and recovering operations upon their transition to normality.
<b>Related projects</b>	<ul style="list-style-type: none"> <li>F2</li> </ul>

<b>Project Deliverables</b>	<b>Relationship with the Regional Performance Based Plan (PFF) ASBU Modules</b>	<b>Responsible</b>	<b>Implementation<sup>1</sup> Status</b>	<b>Date of delivery</b>	<b>Comments</b>
Survey to States on the implementation of A-CDM	PFF SAM AGA 02	Program Coordinator	<b>100%</b>	3Q-2019	Finished Results of the survey sent to States were received by official letter SA5508. Survey report available at <a href="https://www.icao.int/SAM/Pages/ES/eDocuments-v18_ES.aspx?area=AGA">https://www.icao.int/SAM/Pages/ES/eDocuments-v18_ES.aspx?area=AGA</a>
First Edition of A-CDM Implementation Guide		Program Coordinator	<b>100%</b>	4Q-2020	Finished Presented to States in e-PPRC / 02 for their endorsement (first edition)

<sup>1</sup>

Grey      *Task not started*

Green     *Activity in progress according to the program*

Yellow    *Activity started with a certain delay but would be arriving on time in its implementation*

Red        *The implementation of this activity has not been achieved in the estimated period of time, it is necessary to adopt mitigation measures*

<b>Project Deliverables</b>	<b>Relationship with the Regional Performance Based Plan (PFF) ASBU Modules</b>	<b>Responsible</b>	<b>Implementation<sup>1</sup> Status</b>	<b>Date of delivery</b>	<b>Comments</b>
Inclusion in e-ANP (VOL III)		GREPECAS	5%	YE-2022	e-PPRC04: In the process of preparing a proposal
Implementation at selected aerodromes		States	20%	4Q-2025	To date (February 2022), 10 applicable aerodromes have been identified, which together have an implementation of close to 20%.