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Next Steps



4th ICAO SAM A-CDM Seminar

ICAO SAM Regional Office

Lima, Peru – Nov. 12-15, 2019



ACIS Enablers (GANP)

Procedures

Specs

ENABLERS					
Enabler Category	Enabler Type	Enabler Name	Description / References	Stakeholders	Year
Operational procedures	Operations	Surface operation milestones procedure	Reference: Manual on Collaborative Air Traffic Flow Management (ATFM) ICAO Doc 9971	Airport operator ANSP Aircraft operator Ground handling agent	2013
Ground system infrastructure	Airport systems	ACIS system	A simple A-CDM dialog system to a more advanced A-CDM information sharing platform (ACISP) to achieve A-CDM information sharing.	Airport operator ANSP	2013
Training	-	Training requirements for ACIS	Training in the operational standards and procedures	Airport operator ANSP ATM network function Aircraft operator Ground handling agent	2013
Operational procedures	Phraseology	ACIS Phraseology	Phraseology for the implementation of ACIS. References: Procedures for Air Navigation Services-Air Traffic Management (Doc 4444)	ANSP Aircraft operator	2013



Things we hear...

- Need of harmonization of terms (acronyms)
- Agreement of definition of terms (e.g. what is “taxi-time for ATC, AP or Airline?)
- Integration of hub airports with feeders (smaller airports) and other hub airports
- Need of a regional approach align with global provisions
- How terms are used in Spanish? (“actual”, time vs hrs)



Things we hear...

- Project can be driven by any partner
- A-CDM needs an strong Business case (or be included in concession contracts) to get the needed funding
- Partners (specially airlines) may be reluctant to sign an MoU due to the believe of signing a “blank check”
- We need a definition of when an airport can say that it has A-CDM implemented, in an scenario without a central unit to connect.



Is there is a need to???:

- Establish and agree a regional ACIS phraseology (vocabulary) in coordination with ATFM which will serve as guidance for implementation
- Establish a basic milestone procedure
- Agree on the electronic format for information exchange and share best practices to avoid proprietary formats that will difficult harmonization and interoperability





There is a need to:

- Establish a working group or community to share best practices and draft common rules for implementation
- Integrate efforts in areas such as interoperability with other systems (CNS), ATFM regional guidance, etc.
- Take advantage of what is already there





Proposal

- **ACDM Project Main Outputs:**
 - States to endorse the need to implement element B0/1 of A-CDM on selected aerodromes (*via eANP Vol III??*)
 - Guidance material to establish the common rules and criteria for information exchange and implementation of selected elements.
 - Direct assistance to initiate pilot projects in selected aerodromes, with the support of States, international organizations and experts on the matter.
- **Other outputs / tasks?**
 - Create a working group/task force??



SAM A-CDM Implementation plan

The ICAO SAM Regional Office has been conducting several activities in the Region since 2015 to raise awareness and deliver know-how on the Airport Collaborative Decision Making process.

On this activities, the main issues observed were regarding wherever implementation process and / or the procedures being followed are not harmonized wherein the possibility of confusion exist among the users particularly aircraft operators, Air Traffic Control (ATC), airport operators and Ground Handling Agents (GHA).

INTERNATIONAL CIVIL AVIATION ORGANIZATION
SOUTH AMERICAN REGIONAL OFFICE



SOUTH AMERICAN AIRPORT COLLABORATIVE DECISION MAKING (A-CDM)
IMPLEMENTATION PLAN

[DRAFT]

This Guidance Material is approved by the Meeting and published by
ICAO South American Regional Office, Lima



Contents

- Introduction
- A-CDM Implementation guidance
- Harmonization framework
- Interoperability of A-CDM with other systems
- Current SAM Region situation
- Research and future development
- Appendixes

Other chapters??



- 2. Chapter 2: A-CDM Implementation guidance
- 2.1 Overview of A-CDM
- 2.2 A-CDM Project Phases
- 2.3 Key Considerations for A-CDM Implementation Phase
- 2.4 Stakeholder Access to A-CDM Data
- 2.5 Achieving an Effective and Efficient Turnaround Process
- 2.6 Building a Continuous Improvement Culture.....
- 2.7 Measure Effectiveness of A-CDM Implementation





- 3. Chapter 3: Harmonization Framework.....
- 3.1 A-CDM Terminologies (vocabulary) and Definitions.....
- 3.2 Roles and Responsibilities of A-CDM stakeholders
- 3.3 Standardization of A-CDM Procedures.....
- 3.4 Target Off Block Time (TOBT) and Target Start-up Approval Times (TSAT)
- 3.5 Sharing of TOBT and TSAT
- 3.6 A-CDM Start-up Procedures
- 3.7 Milestone Approach.....
- 3.8 A-CDM Performance Indicators.....





- 4. Chapter 4 - Interoperability of A-CDM with other systems
- 4.1 Interactions between A-CDM and Other Systems.....
- 4.2 Systems View of A-CDM and Other Systems.....
- 4.3 Project Framework for Integration/Interoperation of A-CDM with ATFM Systems .





Next steps...

- Are we missing something?
- We want to hear from you!





Survey

<https://forms.gle/2zMMsabkEbYYQH1AA>



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