



| ICAO

CAPACITY & EFFICIENCY

Seminario de Implementación de A-CDM / A-CDM Implementation Seminar

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A-CDM Basic Principles

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Overview

*Understand the basic principles of A-CDM
and who can be involved.*

Plan

- **A-CDM ?**
- Objectives
- Uses
- Benefits
- Players

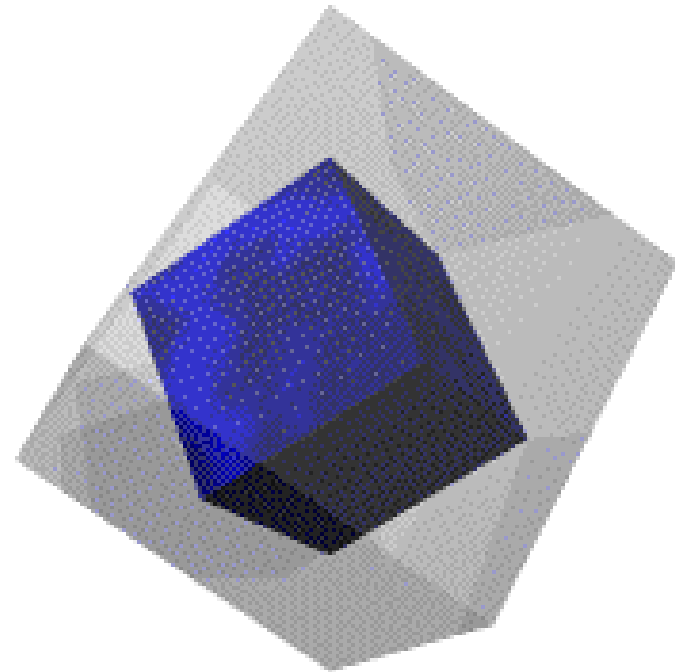
A-CDM ?

Que saben Ustedes ?



A-CDM

A-CDM C CDM





CDM

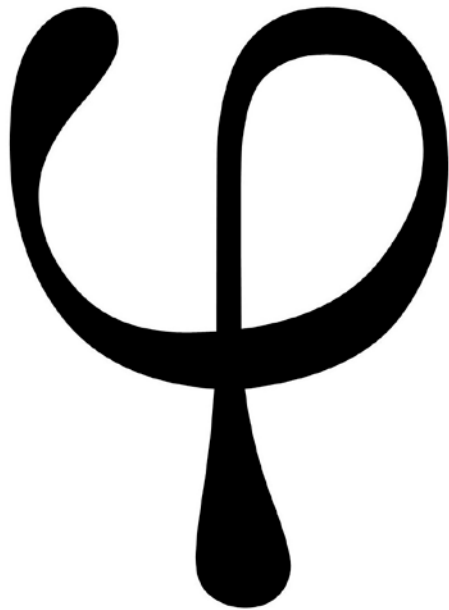
Collaborative decision-making (CDM) is defined as a process focused on how to decide on a course of action articulated between two or more community members. Through this process, ATM community members share information related to that decision and agree on and apply the decision-making approach and principles.

La toma de decisiones en colaboración (CDM) se define como un proceso centrado en la forma de decidir un curso de acción articulado entre dos o más miembros de la comunidad. A lo largo de este proceso, los miembros de la comunidad ATM comparten información relacionada con esa decisión y aprueban y aplican el enfoque y los principios de la toma de decisiones.

***Preámbulo ICAO DOC 9971, Manual de gestión colaborativa de la
afluencia del tránsito aéreo***

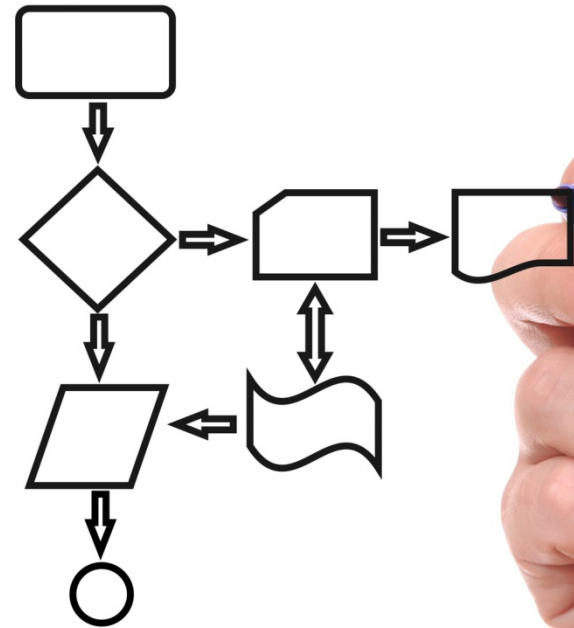


A-CDM ?

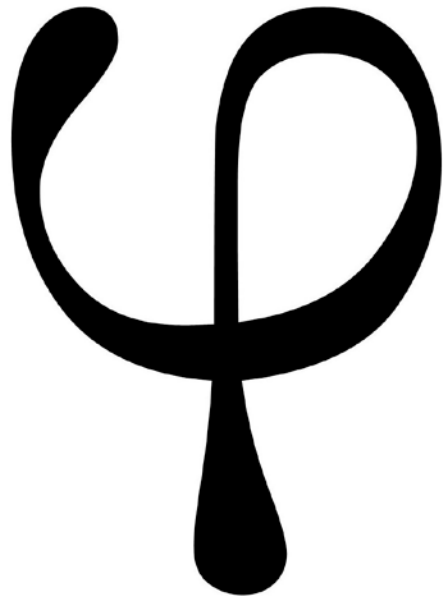


Philosophy

Process



A-CDM ?



State of mind

I need to talk to the others



Why are there so many birds now ?!?

WHAT ?!?! If only I had known !

Now ?!?! A runway inspection now ?!?!

Where is that firetruck ?!?

Those e...
controlle...
never hap...
anyway !

If only they c...
tell me how many
departures they

When can they load the rest of the luggages ?

Donde es el cargo del vuelo AVA 532 ?!?

They could have told us 5 minutes ago !!!

Where is DLH 0743 ???

fuel

What is this tractor doing ?!?!

You could have told me !!!

A-CDM?



...and a process
(philosophy alone does
not deliver a result)

A-CDM?

- **AIRPORT CENTERED**
 - No need for any major structure
 - Local project before anything else
 - Can be linked to ATFM (Not compulsory)



A-CDM ?

- SIMPLE
- SCALABLE



Plan

- A-CDM ?
- **Objectives**
- Uses
- Benefits
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Objectives

- Predictability
- On time performance
- Gate / Stand usage
- Taxiway Apron Congestion



Plan

- A-CDM ?
- Objectives
- **Uses**
- Benefits
- Players



Uses

- Normal Operations
- Exceptional Operations (+++)



Plan

- A-CDM ?
- Objectives
- Uses
- **Benefits**
- Players

Benefits

Measurable - Demonstrable

- CO₂ / NO_x
- Fuel Saving
- Taxitime
- Punctuality



Plan

- A-CDM ?
- Objectives
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- **Players**

Stakeholders

- Aircraft Operators
 - Airlines
 - Charter companies
 - Executive jets (GAT)
 - ...
 - ATC
 - Tower
 - App
 - En route
 - Airport Authority
 - APOC
 - Handlers
 - Gate Managers
 - ...
 - Fuel
 - De-icing
 - Weather Service
 - AIS
 - ATFM Network Manager
 - Aircraft Rescue and Firefighting (RFF)
 - Civil Aviation Authority
- And ...
- Local authorities
 - Military authorities
 - Security agencies
 - ...





- North American Central American and Caribbean (NACC) Office
Mexico City
- South American (SAM) Office
Lima
- ICAO Headquarters**
Montreal
- Western and Central African (WACAF) Office
Dakar
- European and North Atlantic (EUR/NAT) Office
Paris
- Middle East (MID) Office
Cairo
- Eastern and Southern African (ESAF) Office
Nairobi
- Asia and Pacific (APAC) Office
Bangkok

Thank You

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