

A-CDM Basic Principles

Bahrain A-CDM Seminar Nicolas Hinchliffe



Overview

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



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



ICAO CAPACITY & EFFICIENCY

A-CDM ?

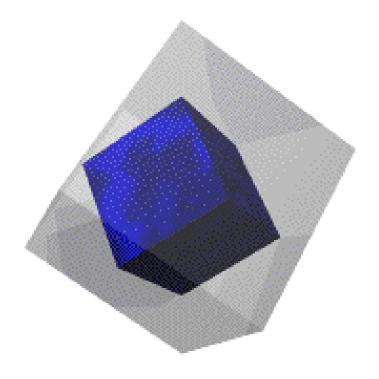
What do you know?





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.

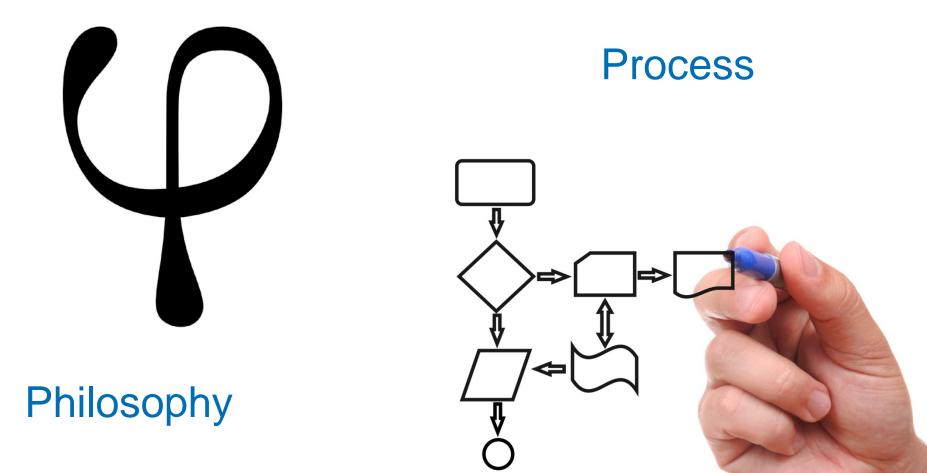
Foreword

ICAO DOC 9971, Manual on collaborative air traffic flow management





A-CDM ?



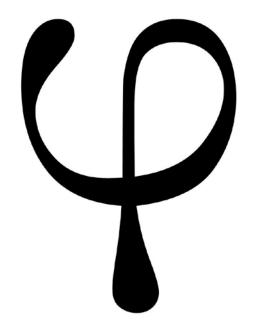


A-CDM ?

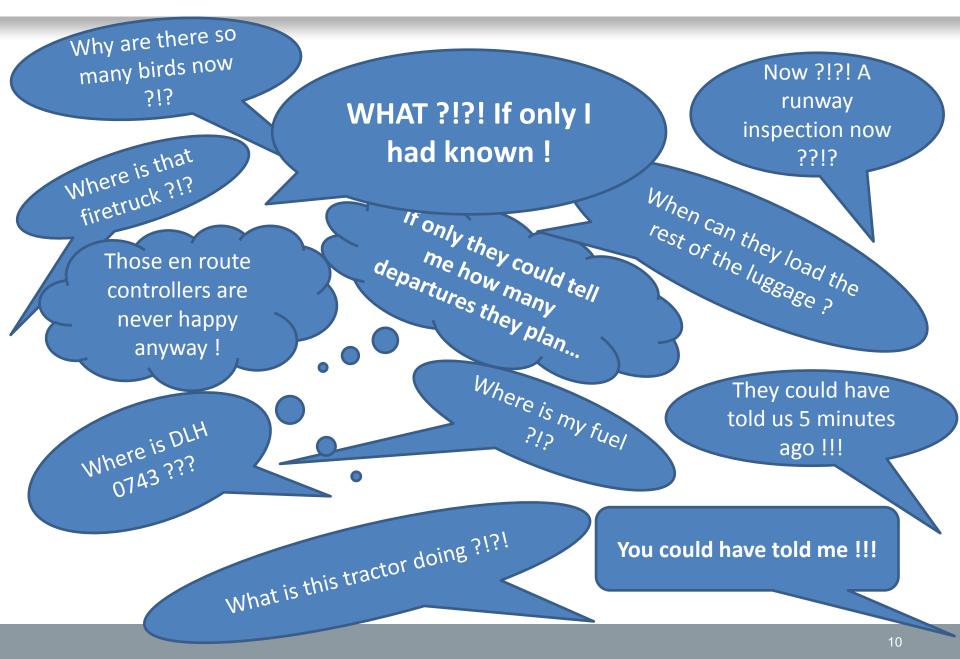
State of mind

I need to talk to the others







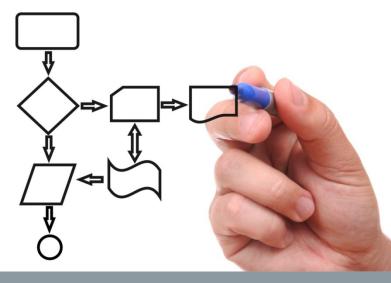




A-CDM?



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





A-CDM?

• AIRPORT CENTERED

- No need for any major structure
- Small scale project before anything else
- Can be linked to ATFM (Not compulsory)



A-CDM A-CDM A-CDM A-CDM

simple.



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Objectives

- Predictability
- On time performance





Gate / Stand usageTaxiway Apron Congestion



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ICAO CAPACITY & EFFICIENCY

Uses

Irregular Operations



Normal Operations



- A-CDM ?
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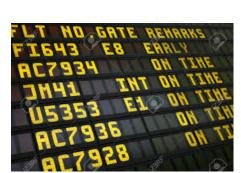


Benefits

Measurable – Demonstrable



- CO2 / NOx
- Fuel Saving
 - Taxi time
 - Punctuality

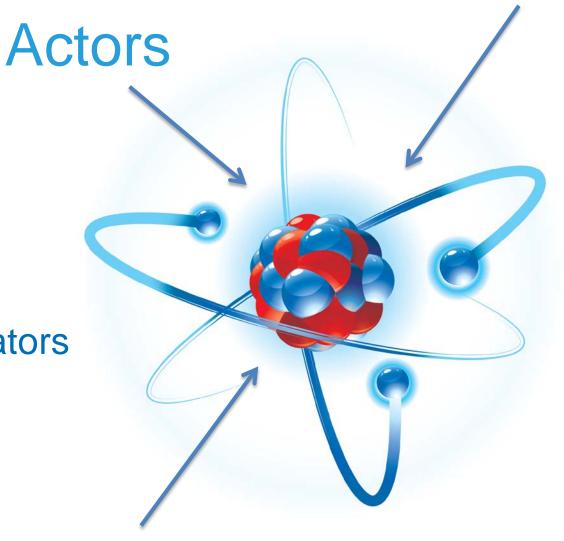




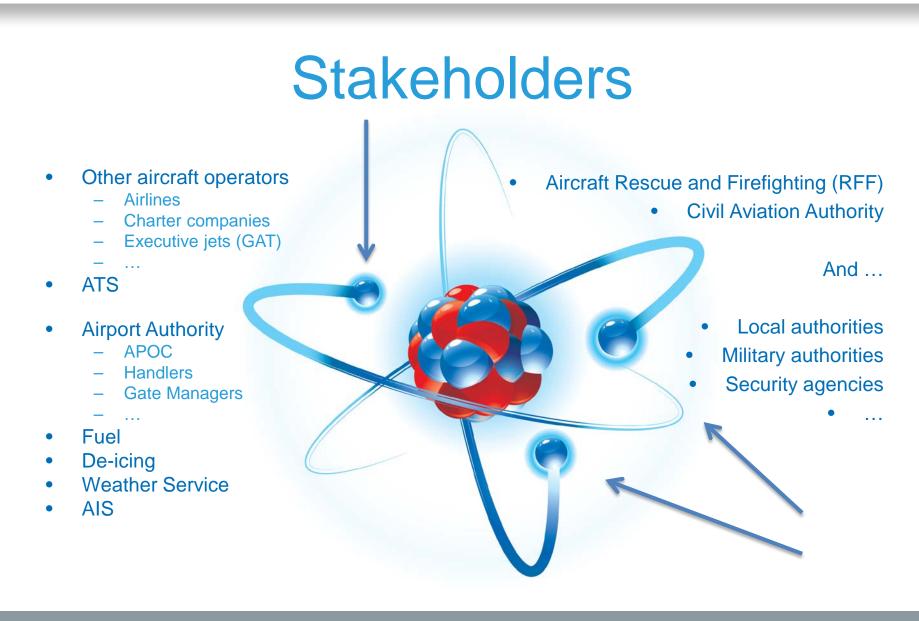
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- ATC
 - Tower
 - App
 - En route
- Aircraft operators
- Aerodrome Operators
- ATFM Network
 Operators













THANK YOU

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