ICAO MID Approach on the A-CDM Implementation

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A-CDM Implementation in the MID Region

MID Region ACDM Survey

ACDM Dashboard

A-CDM Implementation : Main Challenges

- ***Data Sharing***: ACDM requires the sharing of real-time data between airport stakeholders. However, data sharing can be challenging due to technical, operational, and legal barriers. For example, different stakeholders may use different data formats, making it challenging to integrate data from multiple sources.

- ***Stakeholder Coordination***: ACDM requires coordination between multiple stakeholders, including airlines, ground handlers, air traffic control, and airport operators. It can be challenging to coordinate the activities of these stakeholders, particularly when there are competing priorities or conflicting objectives.

- ***Culture Change***: Implementing ACDM processes may require a cultural change in the way airport stakeholders operate. This can be challenging, particularly if there is resistance to change or a lack of understanding of the benefits of ACDM.

Main Challenges

- **System Integration**: ACDM requires the integration of multiple systems, including airport systems, airline systems, and air traffic control systems. Integrating these systems can be challenging, particularly if they use different technologies or are maintained by different organizations.

- **Training and Education**: Implementing ACDM processes may require training and education for airport stakeholders to ensure they understand how the processes work and how to use the tools and systems that support ACDM.

A-CDM Implementation Challenges

Planning and implementation of an A-CDM project

- **Define Objectives**

  - Safety
  - Efficiency
  - Capacity
  - Environment
  - Accessibility
  - Security (?)

- **Define Scope**

  - How far do we interact (ACC, APP, TWR? Gate? Beyond?)

  - A-CDM Functions :
    What are the prerequisites?

A-CDM Implementation Challenges

Planning and implementation of an A-CDM project

- Objectives

  - Understand A-CDM correctly by all stakeholders
  - Create a collaborative environment between industry partners for implementation
  - Visibility on the implementation strategies
  - Progress measurement

- Questions

  - Where do we implement?
  - Who leads the process at each airport?
  - How to measure the implementation?
  - Who will validate if an airport have an A-CDM process in place?

A-CDM Implementation Benefits

- Lack of common awareness

- Conflicting goals

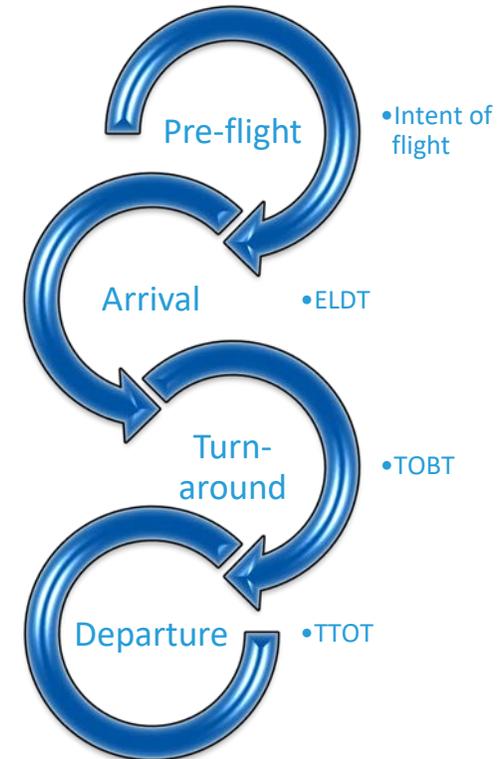- inefficient coordination between Stakeholders

A-CDM Implementation Benefits

- Improving operational efficiency and performance for all partners by sharing and exchanging of accurate, timely and usable airport data

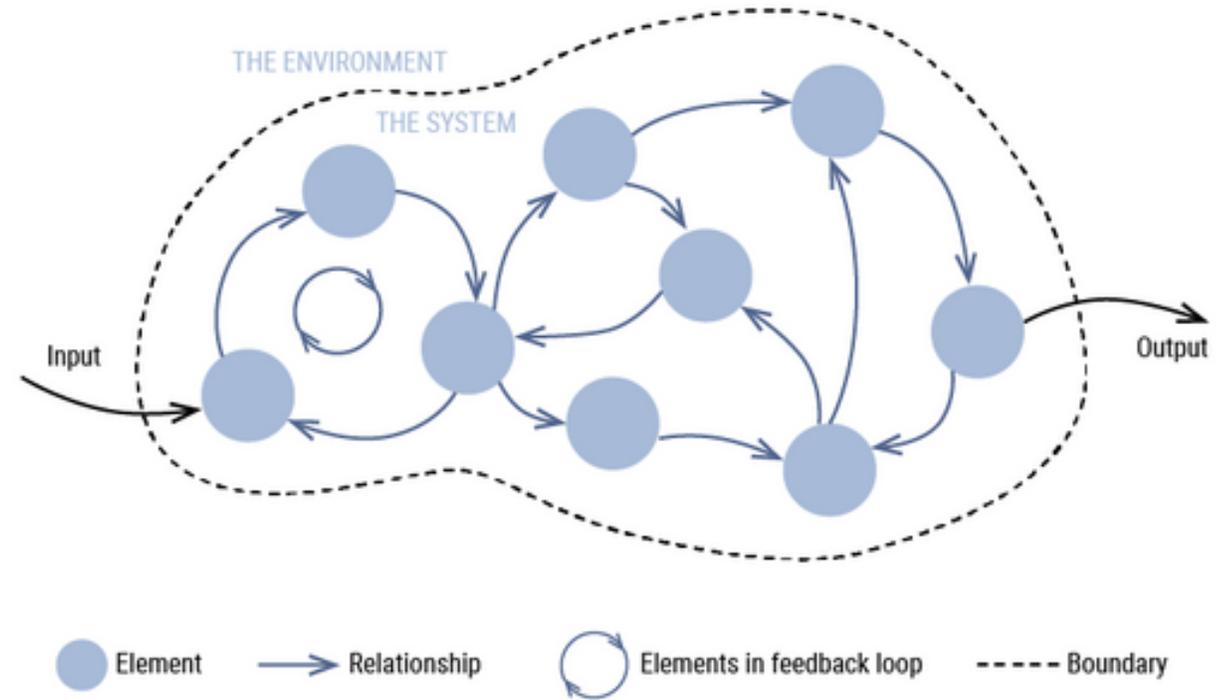- **Requires cultural change to support new procedures and processes**

Methods and Tools

– Timeline (Key moments / Priorities)

– Roles and Responsibilities

– Information in A-CDM operation

- Maintaining flow and accuracy
- Data quality control

Pre-flight • Intent of flight

Arrival • ELDT

Turn-around • TOBT

Departure • TTOT

Methods & tools

– ACDM Elements

– Measure activities, KPIs

Implementation

– Implementation Roadmap

– Best practices

– Successful examples

International Events impact on Airports!

Thank you for your Attention