

# From Cooperation to Collaboration to Integration

A look at the past, present and future of CDM

Sebastian Barboff (DFS), Senior Expert A-CDM & TAM, 25 January 2018




**DFS** Deutsche Flugsicherung

# The Past

- A lot of effort was spent at MUC to make A-CDM work.
- Find a mutual language. Understand each other. Improve how we work together. Present the results to the network.
- Don't reinvent.



# The Present

- HARMONIZATION
    - Having a common stakeholder and a Community Specification helps.
  - Continuously improving A-CDM, e.g.
    - FUM before Take-Off
    - CDM Alert Distribution
    - CDM App
  - AOs: Customers or Partners?
  - GHs: The Search For The Perfect TOBT
- ANSP ↔ Airport ↔ AOs ↔  GHs

Lack of communication/coordination  
No underlying process?



# The Future

## Expanding the Scope of Collaboration

- Cover a larger timeframe.
- Include further processes.
- Gather more data.



- Enable earlier decisions.
- To make robust decisions, we need reliable data.
  - Data is the result of processes.
  - But without processes:
    - there is no reliable data
    - and no robust decisions



# The Summary

- Decision Making is a process.
- Collaboration is a process.
- Collaborative Decision Making **is also a process.**
- Information Exchange is the **foundation** of Collaboration.
- Information needs to be reliable, so Local Process First.

It's Not Just Data. It's CDM.