

*Global Information
Management*

Aviation Information Data Exchange (AIDX)

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Date:
August 27, 2015



Federal Aviation
Administration



AIR TRANSPORTATION INFORMATION EXCHANGE CONFERENCE

Global Information Management

August 25-27, 2015

NOAA Auditorium and Science Center • Silver Spring, MD

What is AIDX?

- **Aviation Information Data Exchange (AIDX)** is the XML standard for transfer of data from airlines to airports and 3rd party consumers of operational flight related data.
- **AIDX is endorsed as a standard by:**
 - IATA Recommended Practice 1797A;
 - ATA Recommended Practice 30.201A;
 - ACI Recommended Practice 501A07.
- **AIDX Status:**
 - Global standard for exchange of data between airlines and airports and 3rd parties consuming real-time flight info. in the operational (non-ATM) window of a flight;
 - Implementation by over 100 airlines, airports and vendors;
 - ACI's ACRIS adopted AIDX as its flight data schema;
 - AIDX is the de facto standard for A-CDM information sharing used by almost all A-CDM implementations;
 - The AIDX implementation guide v4.0 will soon be published.



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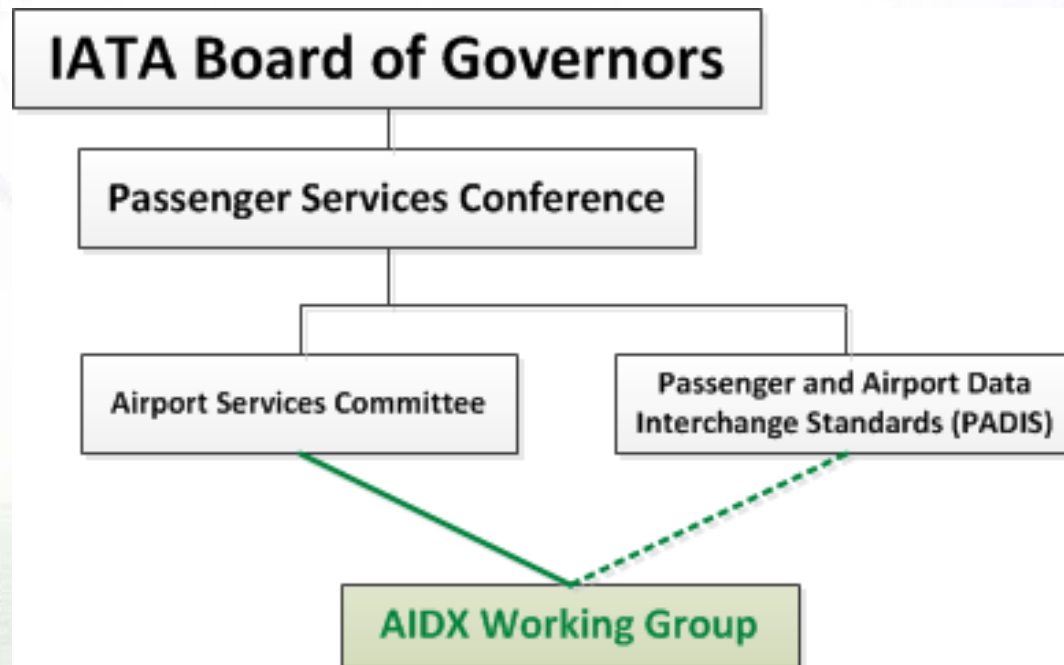


AIDX scope

- The AIDX schema, which was initially launched in October 2008, currently comprises 95 distinct data elements, covering multiple aspects of Operational Flight Legs such as:
 - Flight Identification;
 - Codeshare;
 - Line of Work;
 - Operational Times;
 - Disruption Detail;
 - Status and Remarks;
 - Airport Resource Requirement;
 - Passenger;
 - Baggage;
 - Fuel;
 - Cargo;
 - Aircraft Detail.

Governance

- The IATA AIDX Working Group is **governed** by the Airport Services Committee (ASC) that goes into the Passenger Services Conference (PSC). The XML Schemas reside with IATA Passenger and Airport Data Interchange Standards (PADIS).



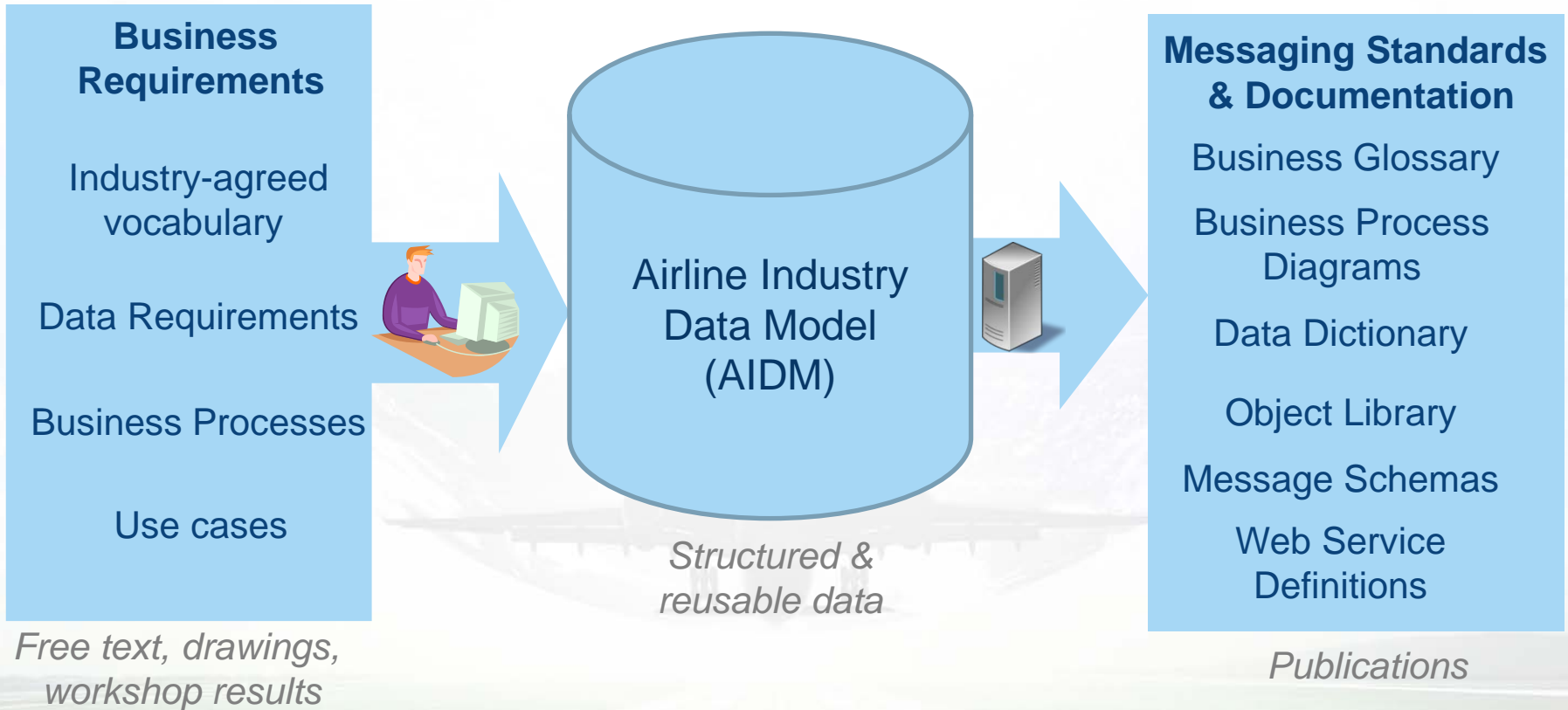
Work in progress

- **GUFU/UFU (FIXM/AIDX)** cross-domain harmonization and alignment;
- The Aviation Industry is presently involved in a substantial amount of work to introduce a common data model. As an IATA data exchange standard, AIDX will be migrated to the **Airline Industry Data Model**, which is currently being developed;
- The current release of AIDX supports **SESAR/ACRIS A-CDM** (Airport Collaborative Decision Making). The AIDX working group continues to work with SESAR/ACRIS to ensure that the schema will support A-CDM as it evolves;
- Although the current schema is focused on Commercial Aviation, the AIDX working group is in discussions with NBAA (National Business Aviation Association) to extend the scope of AIDX to **General Aviation**;

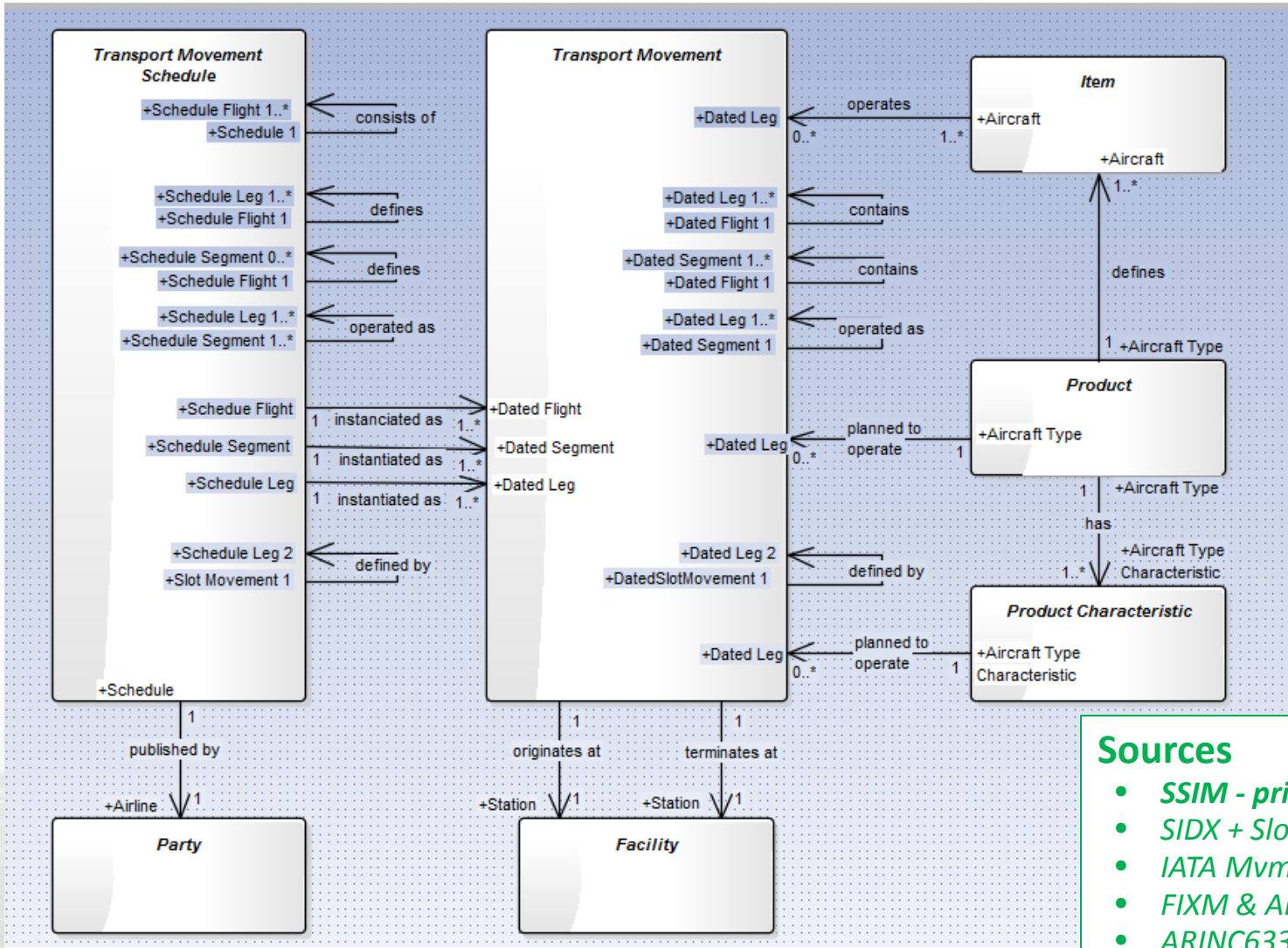
Airline Industry Data Model

- Living model with defined structure and behavior enabling model-driven generation of message standards
 - Speed up the development of specifications through reuse and automated generation
 - Improve level of interoperability among industry players and systems
- Users of model will be able to use, extend and adapt definitions contained in the model

All info. in one repository

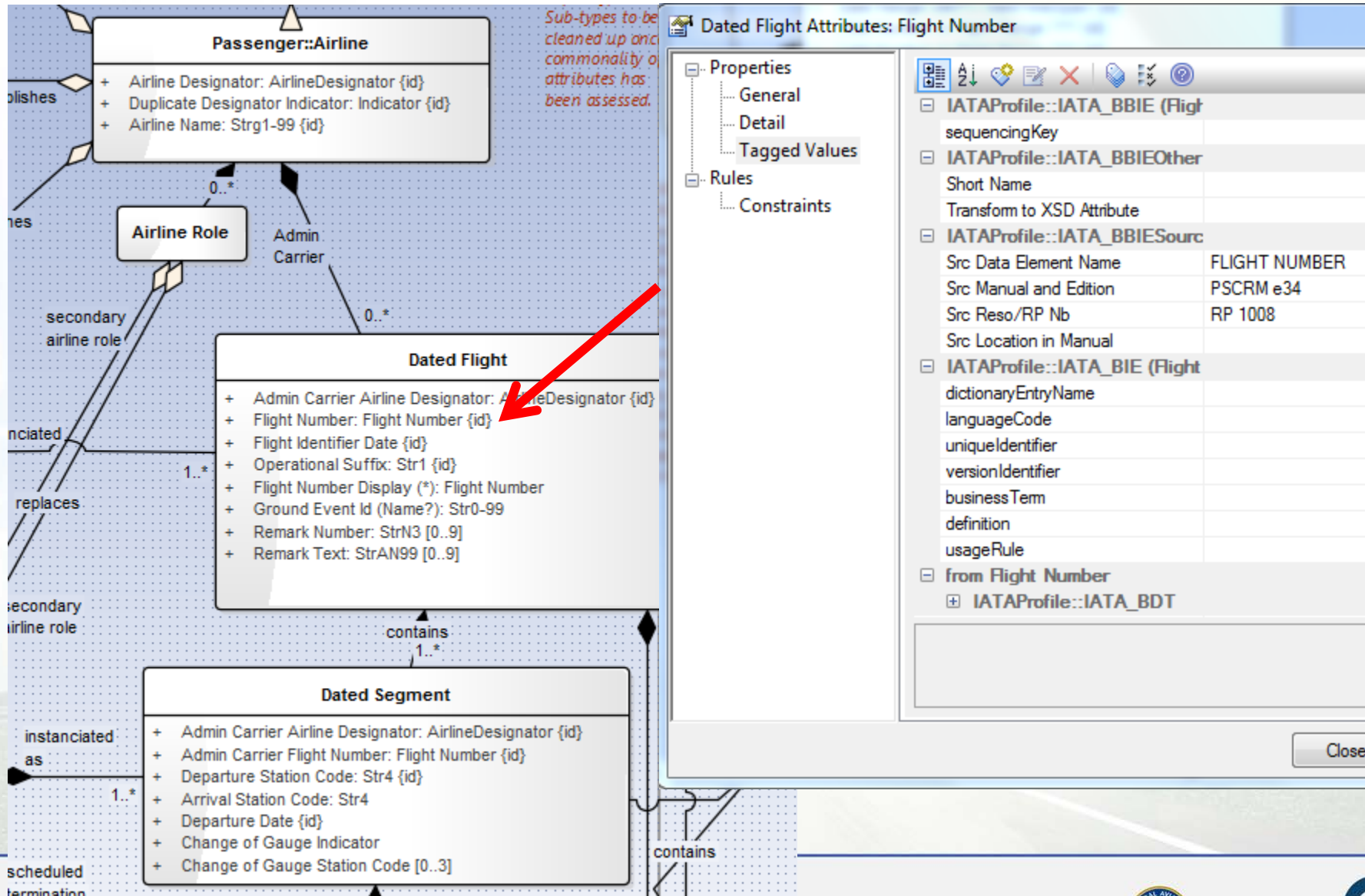


Flight Draft Conceptual Model

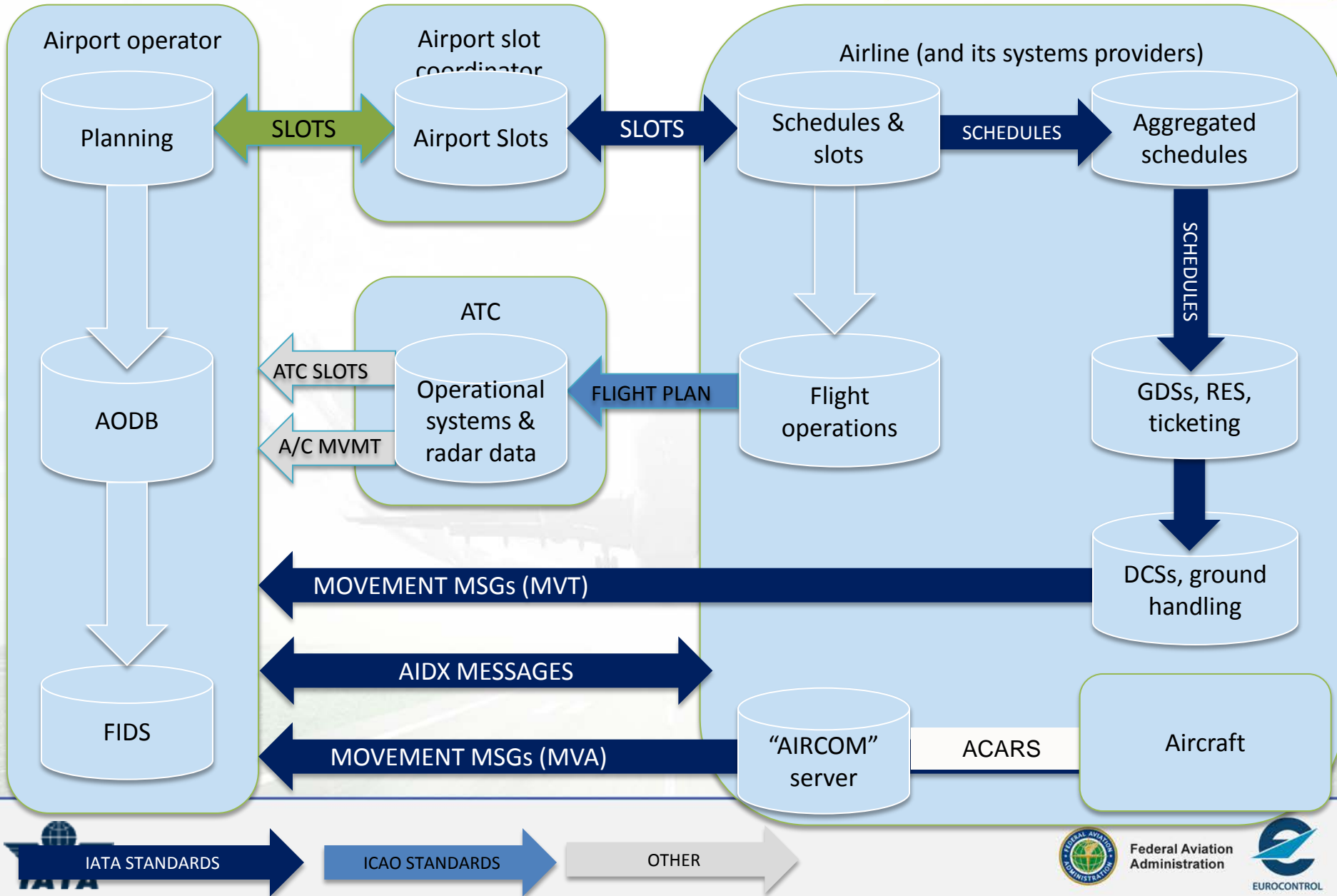


- ### Sources
- *SSIM - primary*
 - *SIDX + Slots*
 - *IATA Mvmt : AIDX*
 - *FIXM & AIXM*
 - *ARINC633 ACARS*
 - *PBCS Model*
 - *models from contributors*

Sample Logical Model



Airline perspective



Thanks for your attention

Join the Flight to establish cross-domain harmony and alignment!

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