

Supporting  
European  
Aviation



# “Get into SWIM” session

## Identify Information Exchange Requirements

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NETWORK  
MANAGER

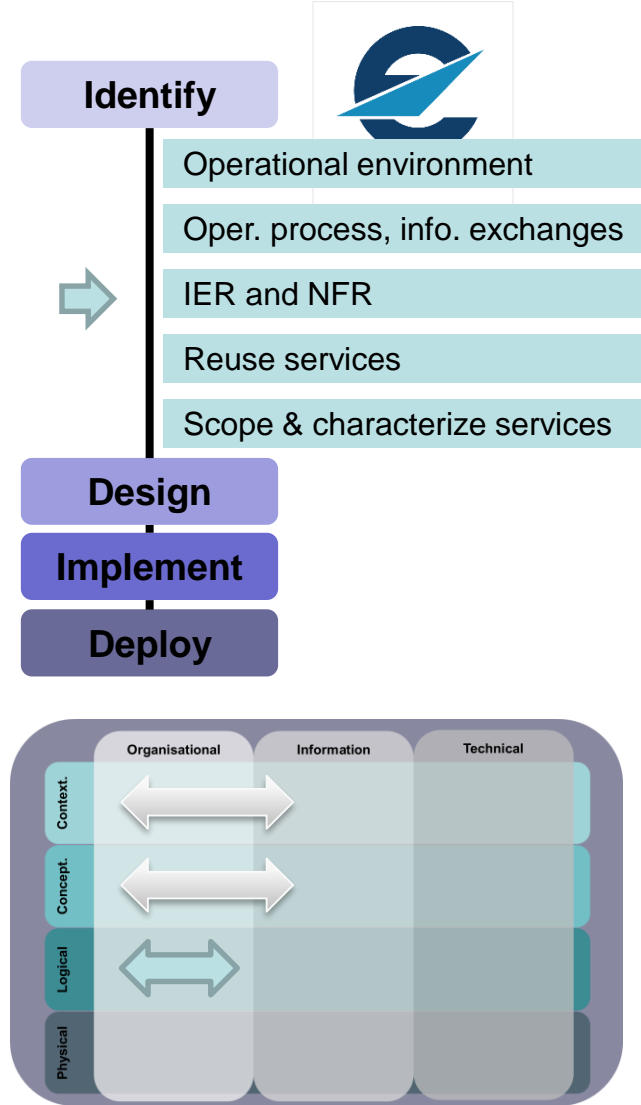


## Activity

Determination of information exchange requirements (IER) and non-functional requirements (NFR) related to information service(s)



- Information Exchange - Information Exchange Requirement
- Objective - Resources - Benefits
- Dealing with misalignments using the AIRM
- Other usages of the AIRM



[SWIM-SERV-011 Operational needs](#)

## Information Exchange

To allow the Aircraft Operator or Ground Handler to set, update or delete the value of the Target Off-Block Time of a departing flight.

This is done in accordance with the operations involving Target Off-Block Time that take place between A-CDM Milestones 2 and 11

## Information Exchange Requirement

Identifier	Name	Issuer	Intended Addressees	Information Element	Interaction and Policy	Rules
TOBT Update	Update TOBT	Aircraft Operator or Ground Handler	Airport Operations Plan	<b>Target Off-Block Time</b>	This is done in accordance with the operations involving Target Off-Block Time that take place between A-CDM Milestones 2 and 11	

## *Interoperability Objective*



**semantic interoperability.** The ability of computer systems and organisations to exchange data with unambiguous, shared meaning

## *Resources*



**ATM Information Reference Model (AIRM).**

<http://airm.aero>

## *Benefit*



**harmonisation.** Using the AIRM in the information exchange requirements increases the accuracy, reduces semantic misalignments within the text used and therefore harmonisation.

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### Information Exchange

To allow the competent authority to set the value of the Targetted Off-Block Time for a given aircraft in specific circumstances. In other words, under adverse conditions or special circumstances this service allows the competent authorities to set the Targetted Off-Block Time value of the flight.

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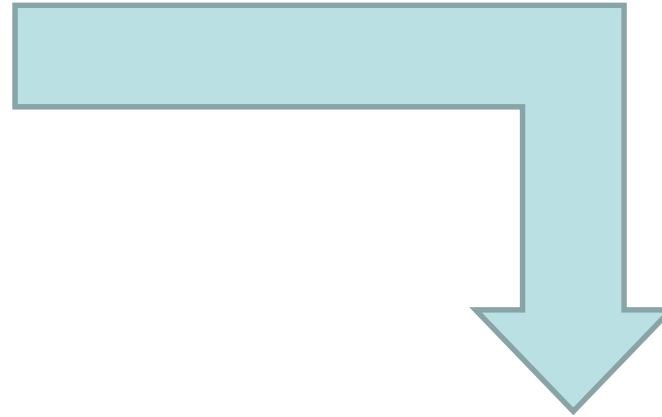
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Information Exchange

...Target Off-Block Time ...

Information Exchange

...Targetted Off-Block Time ...



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# TargetOffBlockTime

The time that an aircraft operator / handling agent estimates that an aircraft will be ready, all doors closed, boarding bridge removed, push back vehicle present, ready to start up / push back immediately upon reception of clearance from the TWR.

**Source:** SESAR;

**Abbreviations:** TOBT

**urn:** urn:aero:airm:1.0.0:ConceptualModel:Subjects:Flight:FlightEvent:TargetOffBlockTime

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# Improving IER with AIRM help

Add table of terms and definitions used in IER

Add link to the reference for future maintenance

Term	Definition	Source	AIRM Link / URN
<b>Target Off-Block Time (TOBT)</b>	The time that an aircraft operator / handling agent estimates that an aircraft will be ready, all doors closed, boarding bridge removed, push back vehicle present, ready to start up / push back immediately upon reception of clearance from the TWR.	SESAR	<a href="http://airm.aero/viewer/1.0.0/conceptual-model.html#TargetOffBlockTime">airm.aero/viewer/1.0.0/conceptual-model.html#TargetOffBlockTime</a>  urn:aero:airm:1.0.0:ConceptualModel:Subjects:Flight:FlightEvent:TargetOffBlockTime

Facilitate the discussion between operational experts and data/information architects

## ***Candidate Further Work***



Information exchange requirements template