

# **AIRM**Status update

Presented to: ATIEC 2019

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Date: 24-Sept-2019



Aviation Information World - Forecasting the Future

## What is the AIRM?



HOME

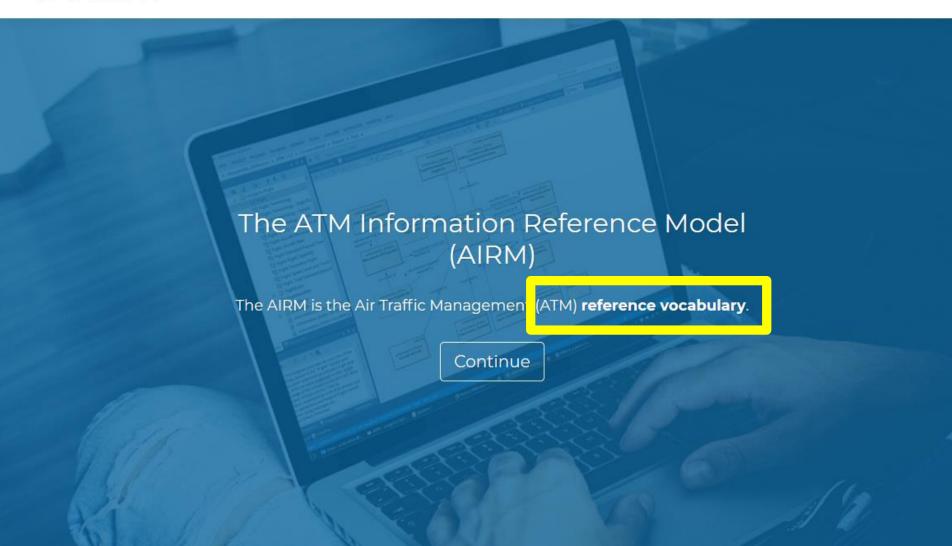
AIRM SEARCH

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FAQ

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SINCE THE LAST UPDATE 2017...

SINCE THE LAST OF THE L





## to **DEPLOYMENT**







# **Examples of references or use**













RAFT

Volume I System Wide Information Management

Version Draft – July 12<sup>th</sup>, 2019 Working Copy for Inter-Panel Coordination



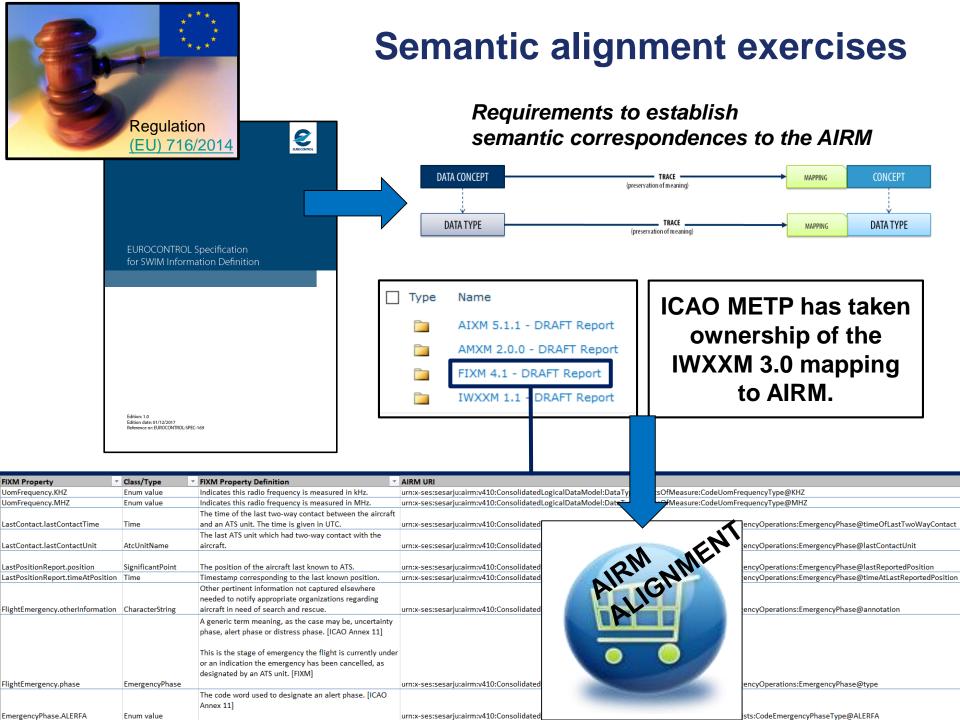
#### 3.2 SEMANTIC INTEROPERABILITY

3.2.1 Semantic interoperability of the information service payload is achieved by aligning the meaning of the information exchanged with a common reference. The definitions of the information exchanged in an information service payload should be aligned with the Air Traffic Management Information Reference Model (AIRM).

*Note – The AIRM is available at the following location: www.airm.aero.* /

3.2.3 Alignment with the AIRM may be achieved by defining the information exchanged in an information service payload according to an information exchange model that is already aligned with the AIRM.

Note – Guidance on the alignment of the information in an information service payload with the AIRM is provided in Doc 10039 Volume II.







www http://airm.aero/community.html

## Join the community

There is a role for you.



#### Contribute

Propose changes to the AIRM and review proposals from other contributors.

more



#### Monitor

Follow the latest AIRM discussions and upcoming updates.

more



#### **AIRM CCB Members**

Your organisation can request to join the AIRM Change Control Board (CCB)

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### Establishment of the AIRM CCB with global participation

REQUENTIS LEONARDO LEV NETEOFRANCE SINTEF

International organisations **ANSPs States Airports Airlines** AIRM **ATM** industry **Military** 



#### **AIRM CCB Members**

Your organisation can request to join the AIRM Change Control Board (CCB)

more Communities established around standardised information exchange models



## **Establishment of the AIRM CCB with global participation**

JOH HOM!

## BECOME A MEMBER

1014 HOW!

To join the AIRM CCB email

airm@eurocontrol.int





#### **AIRM CCB Members**

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www http://airm.aero/viewer.html



AIRM VIEWER HOME

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#### AIRM Viewer

The AIRM Viewer provides a simplified HTML view of the ATM Information Reference Model (AIRM).



#### Terms

This lists the terms and definitions from the source documents that were used to build the AIRM. For example, it includes terms from ICAO annexes and docs, the WMO and European Regulations.



#### **Abbreviations**

This lists the abbreviations used in the AIRM.



#### Conceptual Model

This provides a reference of information entities and relationships relevant to the ATM operational discourse. It is intended for use by operational experts. It can be used, for example, in disambiguating terms used in operational documents and developing information exchange requirements.



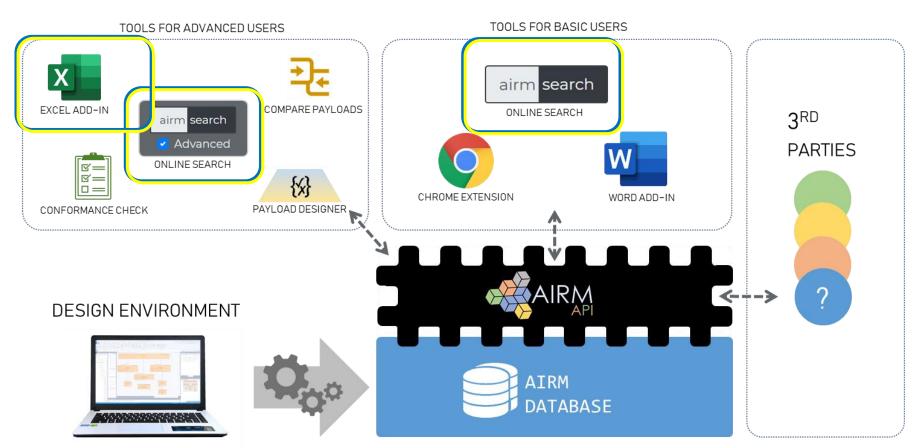
#### Logical Model

This provides a reference model of data concepts for service architects and system implementers. It contains the entities necessary to model the shared information of ATM. It can be used in order to construct "derived" logical data models and, indeed, exchange models or physical data models. As such, it can be used to create a model that can be used to build services and operations.



## Supporting the users: AIRM as a Service

Lets have a look at some tools!





Find out the best way to use the AIRM.

Learn More

## Supporting the users: AIRM as a Service

#### Aerodrome

A defined area on land or water (including any buildings, installations and equipment) intended to be used either wholly or in part for the arrival, departure and surface movement of Aircraft.

Synonyms: AirportHeliport; AirportHeliport;

Sources: ICAO Annex 1; ICAO Annex 15; ICAO;

+ More...

#### Related

has AerodromeReferencePoint

may provide information for multiple OperationalFlightInformationService

serves City

Sea

may be CoordinatedAirport

identified by AerodromeLocationIndicator

uses AltimeterSource

alternate Aerodrome

may be collocated with Aerodrome

has AircraftStand

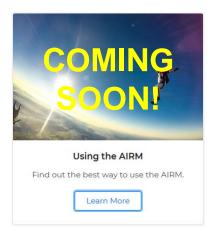


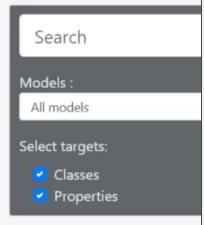
Start searching

Type any character in search input to find a word.

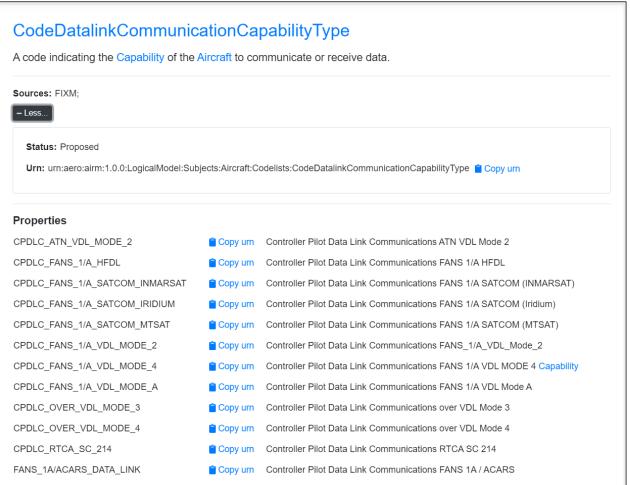


ATM Information Reference Model version AIRM 1.0.0

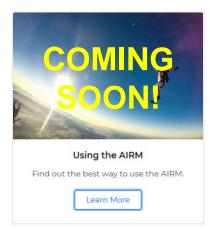




## Supporting the users: AIRM as a Service

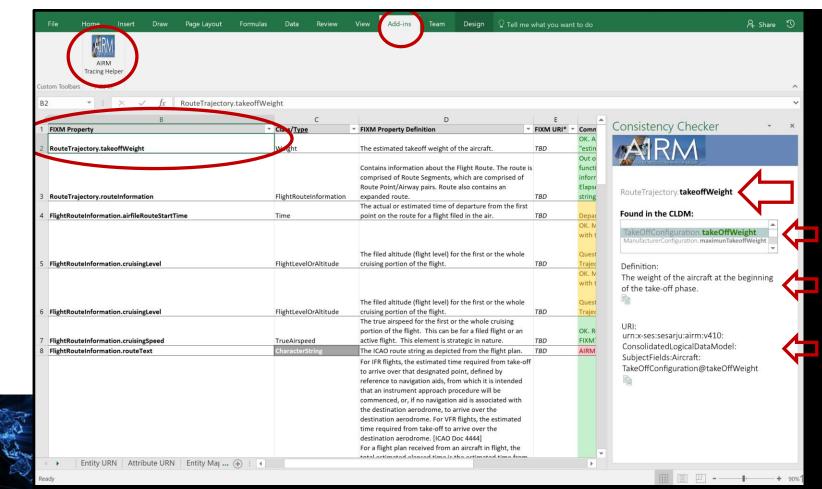






## Supporting the users: AIRM as a Service





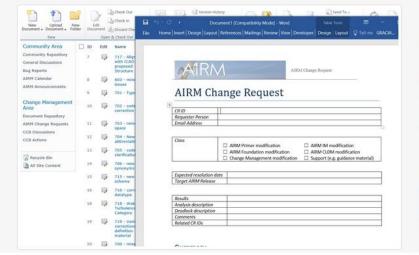


## Connect your software with the

# **AIRM API**

to retrieve terms, definitions, URNs and much more!





#### Contribute

Propose changes to the AIRM and review proposals from other contributors.

Any member of the AIRM Community can submit a change request.

Register now if you haven't done it yet, or access to the work area:

Access



#### http://airm.aero/community.html

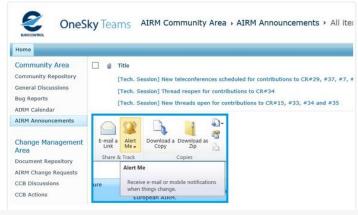
#### Monitor

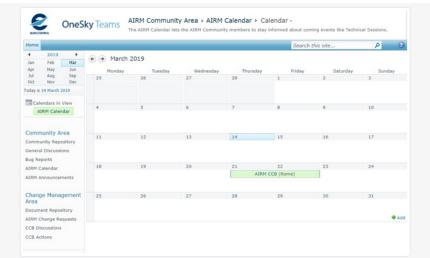
Follow the latest AIRM discussions and upcoming updates.

Take advantage of the advanced features like personalised alerts.

Register now if you haven't done it yet, or access to the work area:







#### **AIRM CCB Members**

Your organisation can request to join the AIRM Change Control Board (CCB)

Becoming an AIRM CCB member allows you to help guide the AIRM so that it continues to be effective for you and the wider AIRM community.

Register now if you haven't done it yet, or access to the work area:



#### What is the AIRM?

The AIRM is the Air Traffic Management reference vocabulary. It constitutes the knowledge on information and data that is exchanged within the ATM community.

Using the AIRM promotes semantic interoperability - the ability to exchange information with unambiguous, shared meaning. The AIRM therefore serves a role in the overall interoperability improvements achieved by SWIM.

#### More about the AIRM



I can't find my concepts in the AIRM. Will that impact my ability to exchange information?

Who is behind the AIRM?

How much the AIRM cost?