



AIMS-14 — Set up a digital data chain to ensure the Aeronautical Information data provision into on-board avionic systems

Ensure the distribution of aeronautical information from Aeronautical Information sources using digital format in agreed standard format (e.g. AIXM) and their conversion into other agreed standard format (such as ARINC 424 or future ARINC 424A) for further integration without error prone manual intervention into on-board avionic systems. This includes all possible transformations of AIS data required to support on board applications such as FMS, OANS, TAWS. Such a data chain could certainly rely on a number of generic services, from services exposing AIXM data over SWIM to mapping services (e.g. AIXM <=> ED119), 'binarisation' services (ED119=> A816 or AIXM=>A424A NDBX), and possibly also validation services (business rules) etc. . This enabler impacts FMS manufacturers, Aeronautical Information Integrators.

Category SYSTEM

Stakeholder Air Navigation Service Provider

Civil

- Civil ATS Aerodrome Service Provider
- Civil ATS Approach Service Provider
- Civil ATS En-Route Service Provider
- Civil AIS Service Provider

Military

- Military ATS Aerodrome Service Provider
- Military ATS Approach Service Provider
- Military ATS En-Route Service Provider

Network Manager

V3 End 31-12-2014

V4 Start 31-12-2014

V5 Start 31-12-2015

V4 End 31-12-2015

V5 End 31-12-2016

Air Navigation Service Provider: -

Civil

- Civil ATS Aerodrome Service Provider: -
- Civil ATS Approach Service Provider: -
- Civil ATS En-Route Service Provider: -
- Civil AIS Service Provider: -

Military

- Military ATS Aerodrome Service Provider: -
- Military ATS Approach Service Provider: -
- Military ATS En-Route Service Provider: -

Network Manager: 31-12-2016

IOC 31-10-2020

FOC 31-10-2024

Context

Related Elements





OI Operational Improvement Steps

Code	Benefits start date (IOC) - Full benefit date (FOC)																										
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
AIMS-14			V4	V5																							
AOM-0404																											
IS-0205																											

EN Dependent Enablers

Relationship	Code	Title	Related Elements
Enabled by	REG-0505	Aeronautical Data Quality (ADQ) Implementing Rule	
Enabled by	REG-0506	Amendment to ADQ IR	
Enabled by	REG-0507	Technical requirement and operation procedures for AIS/AIM	
Enabled by	REG-HNA-44	Regulatory Provisions for on-board digital data provision	
Enabled by	STD-HNA-25	ICAO provisions for 'Set up a digital data chain to ensure the Aeronautical Information data provision into on-board avionic systems'	
Enabled by	STD-HNA-26	Non-ICAO standards for 'Set up a digital data chain to ensure the Aeronautical Information data provision into on-board avionic systems'	
Enabled by	STD-HNA-27	Non-ICAO standards for 'Aeronautical Information system is interfaced to receive and distribute aeronautical information electronically to military systems'	

PCP PCP Elements: No associated data

STK Stakeholders

Code	Title	Related Elements
ANSP	Air Navigation Service Provider	
ANSP-CIV-AIS	Civil AIS Service Provider	
ANSP-CIV-AERO	Civil ATS Aerodrome Service Provider	
ANSP-CIV-APP	Civil ATS Approach Service Provider	
ANSP-CIV-ER	Civil ATS En-Route Service Provider	
ANSP-MIL-AERO	Military ATS Aerodrome Service Provider	
ANSP-MIL-APP	Military ATS Approach Service Provider	
ANSP-MIL-ER	Military ATS En-Route Service Provider	
NM	Network Manager	
NET-MAN	Network Manager	

Standards: No associated data

OBJ Implementation Objectives: No associated data

Stakeholder Lines of Action (SLoAs): No associated data

PJ SESAR Workpackages: No associated data