



# COM10 — Migrate from AFTN to AMHS

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For global AMHS address management ICAO has strongly recommended the use of the ATS Messaging Management Centre (AMC) implemented by EUROCONTROL under the aegis of the ICAO EUR Office (Paris) to every ICAO Contracting State worldwide, as soon as there is an AMHS project or implementation in that State.

**NOTE FOR MILITARY AUTHORITIES:** It is the responsibility of each military authority to review this Objective IN ITS ENTIRETY and address each of the SLoAs that the military authority considers RELEVANT for itself. This has to be done on top and above of the review of "MIL" SLoAs which identify actions EXCLUSIVE to military authorities.

<b>Edition</b>	2019
<b>Stakeholders</b>	Air Navigation Service Provider / Aeronautics Industry
<b>Type</b>	SESAR
<b>Scope</b>	ECAC+
<b>Status</b>	Active

## Context

### Related Elements



## Applicability Area(s) and Timescales

**Applicability Area:** All ECAC+ States

Timescales	From	By	Applicable to
Initial operational capability	01-12-2011	-	Applicability Area
Full operational capability	-	31-12-2018	Applicability Area

## Links to ATM Master Plan Level 2

### Enablers

Code	Title	IOC	Related Elements
<a href="#">CTE-C06c</a>	<a href="#">AMHS</a>	31-12-2012	

## **SOL** Links to SESAR Solutions

Code	Title	Program	Related Elements
No record found			

## **PCP** Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
No record found		

**ICAO** ICAO Block Modules: No associated data

## References

### Applicable legislation

None

### Applicable ICAO Annexes and other references

Standards and Recommended Practices (SARPs) for the ATSMHS application are specified in ICAO Annex 10 to the Convention on International Civil Aviation (Annex 10 Volume II, Chapter 4.6 and Volume III, Part I, Chapter 3.5.3). These SARPs refer to detailed specifications in the relevant technical Manual (ICAO Doc 9880 Part IIB).

### Deployment Programme 2019

-

### Operating Environments

Airport

Terminal Airspace


En-Route

Network

## Expected Performance Benefits

<b>Safety</b>	Benefits resulting from the application of a harmonised set of safety requirements.
<b>Capacity</b>	-
<b>Operational efficiency</b>	-
<b>Cost efficiency</b>	Use of COTS messaging systems will de-facto reduce the cost of messaging services and support any kind of message format including the exchange of new binary data leading to lower ANS provision costs.
<b>Environment</b>	-
<b>Security</b>	AMHS security services may help to protect against safety hazards such as accidental or deliberate message corruption and can provide protection against undetected misdelivery.

## Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Implement AMHS capability (Basic ATSMHS) and gateway facilities to AFTN	01-01-2002	31-12-2011	
ASP02	Implement regional boundary gateways	01-01-2002	31-12-2011	
ASP03	Enhance AMHS capability (Extended ATSMHS)	01-01-2012	31-12-2018	
ASP04	Ensure the conformity of AMHS systems and associated procedures	01-01-2002	31-12-2018	
ASP05	Organise personnel awareness and training	01-01-2002	31-12-2018	
ASP06	Participate in AMC activities for ATS Messaging Management	01-01-2007	31-12-2018	
IND01	Ensure the conformity of AMHS systems	01-01-2002	31-12-2018	
AGY01	Provide AMC (ATS Messaging Management Centre) Service	01-01-2007	31-12-2018	
AGY02	Implement AMHS capability (Basic ATSMHS) and gateway facilities to AFTN	FINALISED		
AGY03	Enhance AMHS capability (Extended ATSMHS)	01-01-2012	31-12-2018	
AGY04	Develop further relevant elements of the Extended ATSMHS in AMHS Community Specification	01-01-2010	31-12-2018	
AGY05	Implement AMHS-Community Specification compliance testing methodology and tools	01-01-2010	31-12-2018	
AGY06	Support personnel training	01-01-2002	31-12-2018	

## Supporting Material

Title	Related SLOs
EUROCONTROL - IANS-COM-AMHS - IANS-COM-AMHS Course <a href="https://trainingzone.eurocontrol.int">https://trainingzone.eurocontrol.int</a>	ASP05
EUROCONTROL - SPEC 136 - EUROCONTROL Specification on the Air Traffic Services Message Handling System (AMHS) - Edition 2.0 - OJ 2009/C 323/06 / 09/2009 <a href="https://www.eurocontrol.int/publication/eurocontrol-specification-air-traffic-services-message-handling-system-amhs">https://www.eurocontrol.int/publication/eurocontrol-specification-air-traffic-services-message-handling-system-amhs</a>	AGY03, AGY04, AGY05, ASP01, ASP02, ASP03, ASP04, ASP05, IND01
ICAO - Doc 9880-Part II - Manual on Detailed Technical Specifications for the Aeronautical Telecommunication Network (ATN) using ISO/OSI Standards and Protocols - Part II - Ground-Ground Applications - Air Traffic Services Message Handling Services (ATSMHS) - Edition 1 / 12/2010 <a href="https://store.icao.int/">https://store.icao.int/</a>	AGY03, ASP01, ASP02, ASP03
ICAO - Doc 9880-Part IV - Manual on Detailed Technical Specifications for the Aeronautical Telecommunication Network (ATN) using ISO/OSI Standards and Protocols - Part IV - Directory Services, Security and Systems Management - Edition 1 / 12/2010 <a href="https://store.icao.int/">https://store.icao.int/</a>	ASP04, IND01
ICAO - EUR-Doc 020 - EUR AMHS Manual - Edition 9 / 04/2014 <a href="http://www.paris.icao.int/documents_open/files.php?subcategory_id=74">http://www.paris.icao.int/documents_open/files.php?subcategory_id=74</a>	ASP01, ASP02, ASP03, ASP05
ICAO - EUR-Doc 021 - ATS Messaging Management Manual - Edition 10 / 04/2014 <a href="http://www.paris.icao.int/documents_open/files.php?subcategory_id=114">http://www.paris.icao.int/documents_open/files.php?subcategory_id=114</a>	AGY01, ASP01, ASP02, ASP05, ASP06

## Consultation & Approval

<b>Working Arrangement in charge</b>	CNS / COM SG
<b>Outline description approved in</b>	01/2009
<b>Latest objective review at expert level</b>	05/2010
<b>Commitment Decision Body</b>	Provisional Council (PC)
<b>Objective approved/endorsed in</b>	07/2010
<b>Latest change to objective approved/endorsed in</b>	09/2016