

ECIP	Removed					PE
COM05	Migrate from AFTN/CIDIN to AMHS for international communications					
REG	ASP	MIL	APO	USE	INT	IND

Description & purpose

Implement the international ATS Message Handling Systems (AMHS) standardised by ICAO as an X.400-based replacement for the existing AFTN/CIDIN messaging systems that are becoming obsolete and might be unable to support future messaging requirements. ANSPs have the choice to either upgrade their existing COM centre with AMHS capability (as done already by Germany and Spain) or implement an AMHS/AFTN gateway in front of their existing switch. The EATMP Communication Gateway (ECG) provides a technical means to implement both possibilities.

Applicable area(s)

All ECAC States

Operational capability dates FOR THIS OBJECTIVE

Initial operational capability: 01/2002
Full operational capability: 12/2008

References

European ATM Master Plan relationship

Enabler - [CTE-C10]-AMHS

European ATM Master Plan - 3.3.7

Legal basis

This objective will be later aligned with the future Community Specification on Air Traffic Services Message Handling System (AMHS).

Other dependencies

None

Stakeholder Lines of Action (SLoA)

<u>SLoA ref.</u>	<u>Title</u>	<u>Start</u>	<u>Finish</u>	
COM05-ASP01	Implement AMHS capability and gateway facilities to AFTN	01/2002	12/2008	▲
COM05-ASP02	Implement regional boundary gateways	01/2002	12/2008	
COM05-ASP03	Implement gateway between national non-AMHS network (other than AFTN) and AMHS	01/2002	12/2008	
COM05-ASP04	Study and plan AMHS communications in Europe (SPACE project)			FINALISED
COM05-INT01	Develop EUR AMHS Manual			FINALISED
COM05-INT02	Endorse the deployment of central facilities (such as off-line management centre, directory services, regional helpdesk, etc) needed for the seamless operation of AMHS in the EUR Region			FINALISED
COM05-IND01	Ensure timely availability of required equipment	07/2003	07/2008	
COM05-AGY01	Develop EATMP Communication Gateway (ECG)			FINALISED
COM05-AGY02	Implement AMHS capability and gateway facilities to AFTN			FINALISED
COM05-AGY03	Develop a specification on the gateway between non-AMHS messaging systems (other than AFTN) and AMHS	08/2003	12/2008	

▲ Applicable to the military.

Description of finalised SLoAs is available on the ESSIP website at <http://www.eurocontrol.int/essip/>

Consultation & Approval

Working arrangement in charge:

Communications Team (COM-T)

Outline description approved in:

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Latest objective review at expert level in:

06/2009

Commitment decision body:

Provisional Council (PC)

Objective approved/endorsed in:

07/2003

Latest change to objective approved/endorsed in:

07/2005

Expected performance benefits

Safety :

N/A

Capacity :

N/A

Cost-effectiveness :

Use of de-facto COTS messaging systems will reduce the cost of messaging services and support any kind of message format including the exchange of new binary meteorological data.

Environment :

N/A

Security :

N/A

Detailed SLoA descriptions

COM05	Migrate from AFTN/CIDIN to AMHS for international communications		
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COM05-ASP01	Implement AMHS capability and gateway facilities to AFTN	Start:01/2002	Finish:12/2008
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Action by : ANS Providers

Description & purpose : Upgrade existing COM centres to provide AMHS capability or implement EATMP Communications Gateway (ECG).

Supporting material : Deliverables of COM05-INT01, COM05-INT02, COM05-ASP04, COM05-AGY01.

Finalisation criteria : AMHS capability available.

COM05-ASP02	Implement regional boundary gateways	Start:01/2002	Finish:12/2008
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Action by : Boundary States in the EUR Region

Description & purpose : Provide interfaces between the EUR AMHS and non-European AFTN as well as interfaces to AMHS networks outside the EUR Region.

Supporting material : Deliverable of COM05-INT01. ICAO AMHS & AFTN SARPs (Annex 10), technical provisions (Doc 9705) and Guidance Material (Doc 9739), deliverable of COM05-ASP04.

Specific applicability : ICAO EUR Regional Boundary States.

Finalisation criteria : Seamless cross-boundary operation of the AFS.

COM05-ASP03	Implement gateway between national non-AMHS network (other than AFTN) and AMHS	Start:01/2002	Finish:12/2008
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Action by : ANS Providers

Description & purpose : Provide interface between non-AMHS national facilities to the EUR AMHS network.

Supporting material : ICAO AMHS & AFTN SARPs (Annex 10), technical provisions (Doc 9705) and Guidance Material (Doc 9739), deliverable of COM05-AGY03.

Specific applicability : ANSPs which do not implement national AMHS network.

Finalisation criteria : Seamless cross-boundary operation of the AFS in the EUR Region.

COM05-IND01	Ensure timely availability of required equipment	Start:07/2003	Finish:07/2008
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Action by : Aeronautics Industry

Description & purpose : Ensure that equipment compliant with ICAO SARPs and associated documents is available in time and in sufficient quantity to allow the migration from AFTN/CIDIN to AMHS for international communications.

Supporting material : ICAO SARPs (Annex 10), technical provisions (Doc 9705) and Guidance Material (Doc 9739), deliverable of COM05-ASP04.

Finalisation criteria : Compliant equipment available where it is needed.

COM05-AGY03	Develop a specification on the gateway between non-AMHS messaging systems (other than AFTN) and AMHS	Start:08/2003	Finish:12/2008
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Action by : CND

Description & purpose : Develop and validate a specification to interface non-AMHS messaging systems (e.g. SMTP) with the AMHS, within the framework of and in line with the future AMHS Community Specification

Supporting material : ICAO AMHS SARPs (Annex 10), technical provisions (Doc 9705) and Guidance Material (Doc 9739), relevant IETF technical documentation.

Specific applicability : ANSP's having elected not to implement AMHS on a national basis

Finalisation criteria : Specification available, accepted by COMT and available to States.