

# AFS To SWIM Transition Task Force (AST TF)



AST TF/07 meeting



Dubrovnik, Croatia, 21-24 April 2026

Hosted by Croatia Control



**INTERNATIONAL  
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# **AFS to SWIM Transition Task Force (AST TF)**

## **SEVENTH MEETING**

*(Dubrovnik, Croatia, 21-24 April 2026)*

## **AMHS SECURITY WORKSHOP**

*(Dubrovnik, 21 April 2026)*



## Agenda

- ✓ Introduction/Scope of the workshop (5', AST TF Chair Team)
- ✓ Current implementation of security in AMHS (**Demo**, 10', Industry/AMHS providers)
- ✓ **Demo** of the relevant use cases on security (2h, PG members/industry/AMHS providers)
  - ✓ Strong authentication (point to point security: MTA – MTA; MTA – UA))
  - ✓ Message signature (end-to-end security)
- ✓ High level presentation of the certificate and PKI concepts (30', PG members/Industry/AMHS providers)
- ✓ High level presentation of EACP (30', ECTL NM)
- ✓ Overall demo (30', Industry/AMHS providers)
- ✓ Q&A after theoretical presentation and demos (30', All (conducted by AST TF Chair Team))
- ✓ Next steps and expected deliverables by AST TF (15', AST TF Chair Team)
- ✓ Wrap-up and take-aways (15', All (conducted by AST TF Chair Team))



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# Introduction / Scope of the Workshop

AST TF Chair Team



## Introduction / Scope of the Workshop

- ✓ **Why an AMHS Security Workshop?**
  - ✓ AMHS is not secure, but AMHS information is safety-critical
  - ✓ There are doubts / uncertainties about what kind of security AMHS can we implement and how
  - ✓ Unveil state of the art from AMHS providers and from the Industry, in general
  - ✓ Security makes more sense if it's widely implemented
  - ✓ AMHS transition to SWIM means transitioning to an environment open to the Internet
- ✓ **Why the Workshop now?**
  - ✓ ICAO Doc 9880, Ed 3 recently published
  - ✓ NIS2 directive is in force and ANSPs must comply with it
  - ✓ Industry is ready to offer solutions aligned with ANSPs' needs
  - ✓ Common facilities already available (e.g., EACP)



## Introduction / Scope of the Workshop

- ✓ **What the Workshop will cover?**
  - ✓ What you need to know to implement security in AMHS in your country
  - ✓ Clear examples and use cases through demos (authentication, signature of messages, use of PKI, etc.)
  - ✓ Updates on the state of the art implementations from the Industry/vendors
  
- ✓ **Objectives of the Workshop**
  - ✓ Understand why security in AMHS is needed and how we can implement it
  - ✓ Resolve questions and doubts
  - ✓ Share a common approach to implement security in AMHS across Europe and agree on a European strategy within ANSPs defining clear next steps
  - ✓ Reach an agreement during AST TF/07 to mandate security



# Current implementation of security in AMHS (Demo)

Copperchase



## Strong authentication (Demo)

DSNA

Telefonica

Copperchase



# Message signature (Demo)

Frequentis Comsoft

Copperchase



# High level presentation of AMHS security concepts (PKI, CA, certificates, etc.)

Indra Avitech



# High level presentation of EACP

Eurocontrol



# Overall/integrated demo

Copperchase



## Next steps and expected deliverables by AST TF

AST TF Chair Team



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## Next steps and expected deliverables by AST TF

### ✓ **General feedback from the Workshop**

- ✓ Was it useful? Did it meet your expectations?
- ✓ Is everything clear? Is there anything else AST TF should address after this Workshop?
- ✓ What are you missing? Is there anything that could be improved?

### ✓ **Next steps and expected deliverables**

- ✓ Agree on a common approach/strategy for the implementation of security in AMHS in Europe
- ✓ Define a tentative but reasonable timeline
- ✓ Define and develop supporting and guidance material
- ✓ Mandate security in AMHS → EUR AMHS Profile must be updated accordingly



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# Wrap-up and take-aways

AST TF Chair Team



Questions to be sent to:

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and

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# Thank You

