



International Civil Aviation Organization

MID ATS Messaging Management Centre Steering Group

Eighth Meeting (MIDAMC STG/8)
(Amman, Jordan, 1-2 May 2023)

Agenda Item 3: AMHS Planning and Implementation Matters

DRAFT AMHS/SWIM GATEWAY TECHNICAL SPECIFICATION

(Presented by SWAMWAY Study Group)

SUMMARY

A group of organisations, the AMHS/SWIM Gateway Study Group (SWAMWAY SG), joined forces for the elaboration of a technical specification for the AMHS/SWIM Gateway in support of the transition from AMHS to SWIM.

This Information Paper introduces the work done by SWAMWAY SG to develop a mature draft of the technical specifications for the AMHS/SWIM Gateway.

Action by the meeting is at paragraph 3.

1. INTRODUCTION

1.1 SWAMWAY SG is a joint initiative undertaken by a group of organisations including several ANSPs and industries with a deep expertise in both, AMHS and SWIM.

1.2 Austro Control, Copperchase, Enaire, Frequentis Comsoft, Indra Avitech, Telefónica and Thales joined forces in the AMHS/SWIM Gateway Study Group (SWAMWAY SG) in the spirit of working together on a gateway between AMHS and SWIM, the AMHS/SWIM Gateway.

1.3 SWAMWAY SG aims at developing a core technical specification for the AMHS/SWIM Gateway that establishes a basic framework through a set of essential requirements. This specification could be adopted by States and Organisations and become a recognised standard in support of the transition from AMHS to SWIM.

2. DISCUSSION

2.1 It is important to recall that the major objective of SWAMWAY SG is the development of the AMHS/SWIM Gateway technical specification providing a minimum set of requirements ensuring the

exchange of information during the transition to SWIM as well as ensuring the interoperability with AMHS and with SWIM.

2.2 The final draft of the technical specification of the AMHS/SWIM Gateway encompasses 4 different chapters:

2.2.1 Introduction

2.2.2 System Level Provisions

2.2.3 Configurations and Parameters

2.2.4 AMHS/SWIM Gateway Specification

2.3 The first three chapters, Introduction, System Level Provisions and Configuration and Parameters, are a summary and overview of the most important aspects that have been considered for the development of all the technical requirements and recommendations in chapter 4, AMHS/SWIM Gateway Specification.

2.3.1 The fourth chapter, AMHS/SWIM Gateway Specification chapter, is the most important one since it describes the different functions that the AMHS/SWIM Gateway shall perform and gathers all the requirements for the conversion of messages from AMHS to SWIM and from SWIM to AMHS.

2.4 The intention of SWAMWAY SG and of this specific paper is to announce the availability of a first draft but mature version of the AMHS/SWIM Gateway technical specification and to invite AST TF to go through it and provide feedback and comments with the target of improving this technical specification.

2.5 Once this technical specification has been circulated for review and improved considering the potential feedback received, the final target of SWWAMWAY SG is to get the endorsement of AST TF for the proposed AMHS/SWIM Gateway technical specification as a previous step to be recognized by ICAO and considered an international standard.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the contents of this Information Paper.

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