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Implementation of AIS SWIM Services under CP1 Regulation (EU) 2021/116

1. Introduction

This Aeronautical Information Circular (AIC) announces the implementation of Aeronautical Information Service (AIS) SWIM services that are compliant with the System Wide Information Management (SWIM) service specifications, in accordance with European Union Common Project 1 (CP1) Regulation (EU) 2021/116.

The purpose of this circular is to inform end users about the enforcement of new regulatory requirements and their deadlines, as well as the high-level status and implementation plan of AIS SWIM Services in the Republic of Croatia.

2. Background

Commission Implementing Regulation (EU) 2021/116 (CP1) is a binding regulation that supports the modernization and harmonization of Air Traffic Management (ATM) in Europe under the Single European Sky (SES) framework.

Under CP1, one of the six mandated functionalities is AF5: System Wide Information Management (SWIM). AF5 refers to an ATM functionality that consists of standards and infrastructure enabling the development, implementation and evolution of services for information exchange between operational stakeholders via interoperable services. This AIC addresses the implementation of AIS SWIM services in compliance with the AF5 functionality.

This implementation forms part of the global System Wide Information Management (SWIM) initiative, as outlined in the ICAO Global Air Navigation Plan (GANP, Doc 9750) and the ICAO SWIM Concept (Doc 10039). By aligning with the AF5 functionality of CP1, the state contributes to the worldwide transition toward a globally interoperable, service-oriented aeronautical information environment, in support of ICAO's Aviation System Block Upgrades (ASBUs) and the digital transformation of Aeronautical Information Management.

3. Description of AIS SWIM Services

From the list of families under functionality AF5: SWIM, services listed below are envisaged to make aeronautical information digitally available in a timely, standardized, and interoperable manner to all relevant stakeholders. The objective is to enhance or implement systems that facilitate the exchange of Aeronautical Information, either as a service provider or consumer. Deployment of these services shall comply with the SWIM requirements outlined in the SESAR Deployment Program 2022.

Aeronautical Information Feature Service (AIFS)

This service provides aeronautical information features on request via a query-based interface. Features can be filtered by Feature type, Feature name, Spatial, temporal, or logical parameters.

Aerodrome Mapping Service

Provides aerodrome maps on demand, based on current or upcoming AIRAC cycle data. Maps are derived from aerodrome mapping data and are delivered in a standardized graphical format.

Digital NOTAM Service

Delivers digitally encoded NOTAM data representing events that temporarily affect the aeronautical environment. The service supports both textual and graphical representation, improving integration with user systems and automation of data processing.

4. Date of applicability

The AIS SWIM services, AIFS and Digital NOTAM Service, as described in this circular, shall be applicable from 2026 onwards.

5. Area of applicability

The Aeronautical Information Feature Service and Digital NOTAM Service will be provided for the entire territory of the Republic of Croatia and for the airspace over the high seas encompassed by the Zagreb FIR. The scope of applicability of the Aerodrome Mapping Service will be given in a further notice.

6. Planned Operational Deployment

The Aeronautical Information Feature Service is planned to be available for operational use by the end of 2026. The Digital NOTAM Service is planned to be available for operational use in Q3 2026. A further notice will be given for the Aerodrome Mapping Service availability for operational use.

7. Publication of Information about AIS SWIM Services

Information and technical documentation regarding service endpoints (points of access), service interface specifications, and usage guidelines will be published at: <https://eur-registry.swim.aero/home>. Further information will also be included in the Croatia AIP, section GEN 3.1.7 Information services.

8. Further Information

For general information on AIS SWIM services, please contact the EUROCONTROL Support by email: swim@euroncontrol.int. For further information on the planning and implementation of AIS SWIM services in the Republic of Croatia, please contact AIM/AIS Croatia by e-mail: ais@crocontrol.hr.