

<b>DAIM: Digital Aeronautical Information Management</b>
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**TABLE ASBU-EUR-DAIM-3-1****Automated Data-Centric Environment****EXPLANATION OF THE TABLE**

Column:

1 Name of the State or territory.

2 *Level of Automation*, shown by:

0 – Manual

1 – Data Centric

2 – Automated Workflow

3 – Full AIM Integration

*Note 1 – Guidance on automation and description of different levels of automation are contained in Doc 8126 (Aeronautical Information Services Manual), Part II, Chapter 7 (7.4).*

3 Implementation of *Automated processes - Data collection (interfaces with data originators)*, shown by:

FI – Fully Implemented: when Data collection is at level 3 automation

PI – Partially Implemented: when Data collection is at level 1 or 2 automation

NI – Not Implemented: when Data collection is at level 0 automation

*Note 2 — Guidance on the levels of automation are contained in Doc 8126 (Aeronautical Information Services Manual), Part II, 7.4.*

*Note 3 — Additional guidance on the components of an automated AIM system (Data Input) are contained in Doc 8126 (Aeronautical Information Services Manual), Part II, 7.5.1.*

*Note 4 — EUROCONTROL Specification for the Origination of Aeronautical Data (DO) provides guidance and comprehensive requirements which should be met when originating aeronautical data within the aeronautical data supply chain.*

4 Implementation of *Automated processes - Data processing*, shown by:

FI – Fully Implemented: when Data processing is at level 3 automation

PI – Partially Implemented: when Data processing is at level 1 or 2 automation

NI – Not Implemented: when Data processing is at level 0 automation

*Note 5 — Guidance on the levels of automation are contained in Doc 8126 (Aeronautical Information Services Manual), Part II, 7.4.*

*Note 6 — Additional guidance on the components of an automated AIM system (Core Processing System and Data Storage) are contained in Doc 8126 (Aeronautical Information Services Manual), Part II, 7.5.2 and 7.5.3.*

5 Implementation of *Automated processes - Data provision/distribution*, shown by:

FI – Fully Implemented: when Data provision/distribution is at level 3 automation

PI – Partially Implemented: when Data provision/distribution is at level 1 or 2 automation

NI – Not Implemented: when Data provision/distribution is at level 0 automation

*Note 7 — Guidance on the levels of automation are contained in Doc 8126 (Aeronautical Information Services Manual), Part II, 7.4.*

*Note 8 — Additional guidance on the components of an automated AIM system (Data Product Preparation) are contained in Doc 8126 (Aeronautical Information Services Manual), Part II, 7.5.4.*

*Note 9 – The following EUROCONTROL Guidance Materials provide detailed information on aeronautical data/information distribution:*

- *EUROCONTROL Specification for the Electronic Aeronautical Information Publication (eAIP)*
- *EUROCONTROL Guidelines for Aeronautical Information Publication (AIP) distribution on the Internet*
- *EUROCONTROL Guidelines Operating Procedures for AIS Dynamic Data (OPADD)*

- EUROCONTROL Guidelines for harmonised AIP publication and data set provision

Note 10 – Ref. Column 3-5: EUROCONTROL Guidelines on Aeronautical Data Processes describes a common process reflecting the latest advancement in automation and with a focus on a data-centric AIS/AIM environment (<https://www.eurocontrol.int/publication/eurocontrol-guidelines-aeronautical-data-processes>)

- 6 Action Plan – short description of the State’s Action Plan with regard to the implementation of the items 2 to 5, especially for items with a “PI” or “NI” status, including planned date(s) of full implementation, as appropriate.
- 7 Remarks – additional information, including detail of “PI” and “NI”, as appropriate.

State	Level of Automation (Overall)	Automated Processes			Action Plan	Remarks
		Data collection (interfaces with data originators)	Data Processing	Data provision/distribution		
1	2	3	4	5	6	7
ALBANIA						
ALGERIA						
ARMENIA	0	NI	NI	NI	2025	After Implementation 373/2017 New formal arrangements with originators
AUSTRIA						
AZERBAIJAN	2	PI	PI	PI	The current AIM environment is planned to be upgraded till Dec 2023	Due to COVID, implementation of level 3 automation is delayed. The process planned to be resumed after end of system upgrade.
BELARUS						
BELGIUM						
BOSNIA AND HERZEGOVINA	1	PI	PI	PI		
BULGARIA						
CROATIA						
CYPRUS	1	PI	PI	PI	Transformation of aeronautical information in a digital form, enhancing the digital data scope to ensure ‘Operational Data Completeness’, and enabling generation of AIXM 5.1 data, including the automation and digitalization of exchanges with AISP data providers such as Airports in their role of aeronautical data originator. By 2025/Q4	
CZECH REPUBLIC	1	PI	PI	PI	SWIM implementation 2025	
DENMARK						
ESTONIA						
FINLAND	1 (2)	PI	PI	PI		
FRANCE	1	PI	FI	PI	New AIM System (SEPIA) planned for 2025	3 Data collection not fully automated with a workflow (planned with SEPIA) 5 Data distribution not fully automated

State	Level of Automation (Overall)	Automated Processes			Action Plan	Remarks
		Data collection (interfaces with data originators)	Data Processing	Data provision/distribution		
1	2	3	4	5	6	7
						(planned with SEPIA)
GEORGIA						
GERMANY	2	NI	PI	PI	Yes	
GREECE	1	PI	PI	PI	Following the next EAD migration steps higher level of automation will be achieved.	As we are partly migrated to EAD service, we are moving towards in upgrading the current level of automation.
HUNGARY	2	PI	PI	PI	TBD	
IRELAND						
ISRAEL						
ITALY	2	PI	PI	PI	Action Plan in line with relevant EU Regulation. FI target 12/2025	
KAZAKHSTAN						
KYRGYZSTAN	1	PI	PI	PI		
LATVIA	2	PI	PI	PI	Enhanced Data collection process to be implemented by the end of 2024. Data processing and Data provision/distribution processes are planned to be SWIM and web service oriented by the end of 2025.	
LITHUANIA						
LUXEMBOURG	0	NI	NI	-	Luxembourg plans to implement an AIM database and workflow tool in 2025.	Ref. column 5: Data provision / distribution done by Belgium for Luxembourg (joint AIP).
MALTA						
MONTENEGRO	1	PI	PI	PI	NIL	For the time being, there is no State action plan.
MOROCCO						
NETHERLANDS						
NORTH MACEDONIA						
NORWAY						
POLAND	2	PI	PI	PI	2025/Q4	
PORTUGAL	2	PI	PI	FI	2024	All new AIM System components will be in place until the end of 2023
REPUBLIC OF MOLDOVA	1	PI	PI	PI	3: 2025 - automated collection of data from the originator. 4: 2024 - Management Data Sets Tool (AIP Dat Set, Obstacle and Terrain data Sets, AMDB, Instrument flight procedure data set.) 5: 2025 - Digital NOTAM	

State	Level of Automation (Overall)	Automated Processes			Action Plan	Remarks
		Data collection (interfaces with data originators)	Data Processing	Data provision/distribution		
1	2	3	4	5	6	7
					2025: the graphical visualization of digital data sets	
ROMANIA						
RUSSIAN FEDERATION						
SERBIA	1	PI	PI	PI		For the time being, there is no State action plan. Progress in the automation fully depends on the evolution of (e)EAD.
SLOVAKIA						
SLOVENIA	1	FI	FI	FI		
SPAIN	2	PI	PI	PI	Planned	
SWEDEN	2	PI	PI	PI		Level 2 on overall automation is regarded as the most appropriate, however recognising that some level 1-aspects in the total process remain and also that some level 3-aspects are implemented. The input in columns 3, 4 and 5 corresponds to level 2.
SWITZERLAND	1	NI PI	PI	PI	3: There is a project ongoing for Data Collection Services (DCS) and an appropriate roadmap schedule is followed and closely coordinated between DCS Provider, Skyguide and FOCA (planned date for Level 1: 31.12.23, planned date for Level 2: 31.12.24). 4: Level 2 (planned date: 31.12.24) 5: Level 3 (planned date: 31.12.25)	
TAJIKISTAN						
TUNISIA						
TURKIYE						
TURKMENISTAN						
UKRAINE	0	NI	NI	NI		
UNITED KINGDOM	2	PI	PI	PI	UK Airspace Modernisation Strategy includes planned elements for the transition to SWIM with implementation of SWIM information services by 31/12/2025 in compliance with national legislation (UK Reg (EU)	Automated workflow fully implemented but working towards transition to SWIM and full AIM integration.

State	Level of Automation (Overall)	Automated Processes			Action Plan	Remarks
		Data collection (interfaces with data originators)	Data Processing	Data provision/distribution		
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
					No.716/2014 the Pilot Common Project)	
UZBEKISTAN						

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TABLE ASBU-EUR-DAIM-3-2

## Aeronautical Data Quality

## EXPLANATION OF THE TABLE

Column:

- 1 Name of the State or territory.
- 2 Implementation of Quality Assurance and Quality Control, shown by:  
FC – Fully Compliant  
PC – Partially Compliant  
NC – Not Compliant  
*Note 1 – Guidance on the implementation of Quality Assurance and Quality Control are contained in Doc 8126 (Aeronautical Information Services Manual), Part II, Chapter 6.*
- 3 Establishment of formal arrangements with originators, shown by:  
FC – Fully Compliant  
PC – Partially Compliant  
NC – Not Compliant  
*Note 2 – Provisions and guidance on formal arrangements with originators are contained in Annex 15, 2.1.5 and Doc 8126 (Aeronautical Information Services Manual), Part II, 3.3.*  
*Note 3 – Fully compliant (FC) means that the AIS has established formal arrangements with all data originators.*  
*Note 4 – Relevant data quality requirements should be considered in the formal arrangements with originators. Since the Aeronautical Data Catalogue contains all the data elements that the AIS manages, each one being assigned an owner, the AIS can use the Aeronautical Data Catalogue to systematically establish and document formal arrangements with all identified data originators.*  
*Note 5 – Formal arrangements with originators should include requirements related to the provision of metadata.*  
*Note 6 – Provisions related to metadata are contained in Annex 15, 4.2 and PANS-AIM, 4.2.*  
*EUROCONTROL Guidelines for the provision of Metadata to support the Exchange of Aeronautical Data provides further guidance on metadata.*
- 4 Action Plan – short description of the State's Action Plan with regard to aeronautical data quality requirements implementation and the establishment of formal arrangements with originators, especially for items with a "PC" or "NC" status, including planned date(s) of full compliance, as appropriate.
- 5 Remarks – additional information, including detail of "PC" and "NC", as appropriate.

State	Quality Assurance /Quality Control	Formal Arrangement with Originators	Action Plan	Remarks
1	2	3	4	5
ALBANIA		FC		
ALGERIA				
ARMENIA		PC		
AUSTRIA		PC		
AZERBAIJAN	FC	FC		
BELARUS		FC		
BELGIUM		FC		
BOSNIA AND HERZEGOVINA	PC	PC		
BULGARIA		FC		
CROATIA				
CYPRUS	FC	PCFC		
CZECH REPUBLIC	FC	PCFC		

State	Quality Assurance /Quality Control	Formal Arrangement with Originators	Action Plan	Remarks
1	2	3	4	5
DENMARK				
ESTONIA		PC		
FINLAND	FC	PC		
FRANCE	FC	PCFC		
GEORGIA		PC		
GERMANY	PC	PC	Yes	
GREECE	PC	PC	Additional FAs are expected to be signed by 31/12/2023.	The recent acquisition of the ISO 9001 certificate will enhance the overall process.
HUNGARY	FC	PCFC		
IRELAND				
ISRAEL				
ITALY	PC	PC	FI Target 12/2023	
KAZAKHSTAN		FC		
KYRGYZSTAN	PC	NC	Date of fully compliance of Quality Assurance and Control 25.05.2025	
LATVIA	FC	FC		
LITHUANIA		FI		
LUXEMBOURG	FC	NCFC		
MALTA				
MONTENEGRO	FC	PC	NIL	For the time being, there is no State action plan.
MOROCCO		PC		
NETHERLANDS				
NORTH MACEDONIA				
NORWAY		FC		
POLAND		PCFC		
PORTUGAL	PC	PC	Full IAID 2024	
REPUBLIC OF MOLDOVA	FC	FC		
ROMANIA		FC		
RUSSIAN FEDERATION		NC		
SERBIA	FC	PC		For the time being, there is no State action plan.
SLOVAKIA		FC		
SLOVENIA	FC	PCFC		
SPAIN	FC	FC		
SWEDEN	FC	FC		
SWITZERLAND	FC	PC	3: Formal arrangements with originators are established within DCS. Stepwise improving and concluding end 2024 with all originators. (planned date: 31.12.2024) Between the AISP Skyguide and the DCS Provider a base contract with different Annexes is established and	

State	Quality Assurance /Quality Control	Formal Arrangement with Originators	Action Plan	Remarks
1	2	3	4	5
			the SLA was signed in June 2022.	
TAJIKISTAN		NC		
TUNISIA				
TURKIYE		NC		
TURKMENISTAN		NC		
UKRAINE		PC		
UNITED KINGDOM		FC		
UZBEKISTAN		NC		

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**TABLE ASBU-EUR-DAIM-3-3****National Plans for the provision of Digital Data Sets****EXPLANATION OF THE TABLE**

Column:

- 1 Name of the State or territory.
- 2 AIP Data Set
- 3 Obstacle Data Set for area 1
- 4 Obstacle Data Sets for airports (area 2, 3, 4, as applicable)
- 5 Instrument Flight Procedures Data Sets (IFPD)
- 6 Airport Mapping Data Sets (AMD)  
*Note 1 – EUROCONTROL supporting material for (ICAO) Aerodrome Mapping Data Sets [https://ext.eurocontrol.int/aixm\\_confluence/display/ACGAMD/%28ICAO%29+Aerodrome+Mapping+Data+Sets+-+Supporting+Material](https://ext.eurocontrol.int/aixm_confluence/display/ACGAMD/%28ICAO%29+Aerodrome+Mapping+Data+Sets+-+Supporting+Material) assists with the provision of AMD encoded in AIXM 5.1.1 and facilitation of data translations with Geographic Information System (GIS) solutions based on EUROCAE ED99() /RTCA DO272() and EUROCAE ED119() / RTCA DO 291().*
- 7 Terrain Data Set for area 1
- 8 Terrain Data Sets for airports (area 2, 3, 4, as applicable)  
*Note 2 – Ref columns 3-4 and 7-8: European ATM Master plan Level 3 contains an implementing objective INF07 — Electronic Terrain and Obstacle Data (eTOD) [https://www.atmmasterplan.eu/depl/essip\\_objectives/1000383](https://www.atmmasterplan.eu/depl/essip_objectives/1000383). This objective includes actions for development of the national TOD policy and oversight by the regulator and planning of the relevant processes by the ANSP and Aerodrome operators, but not the actual provision of the Obstacle data set.*  
*Note 3 – Ref columns 3-4 and 7-8 [EUROCONTROL Terrain and Obstacle Data \(TOD\) Manual](#) provides assistance to those tasked with implementing electronic terrain and obstacle data.*  
*Note 4 – Ref columns 2-8 Note: EUROCONTROL Guidelines for harmonised AIP publication and data set provision <https://www.eurocontrol.int/publication/eurocontrol-guidelines-harmonised-aip-publication-and-data-set-provision> provides in chapter 3 ‘Data set provision guidelines’ some additional guidance.*
- 9 Removal of AIP tables  
*Note 5 – EUROCONTROL Guidelines for harmonised AIP publication and data set provision <https://www.eurocontrol.int/publication/eurocontrol-guidelines-harmonised-aip-publication-and-data-set-provision> provides in section 3.1.4 ‘Data set provision checklist’ guidance on steps to be considered before removal of tables from the AIP.*  
*Note 6 – When status of implementation is reflected in the table for digital datasets, it is shown by:  
For required datasets: FC (Fully Compliant), PC (Partially Compliant), NC (Not Compliant), N/A (Not Applicable)  
For recommended datasets: FI (Fully Implemented), PI (Partially Implemented), NI (Not Implemented), N/A (Not Applicable)*
- 10 Date of last update/review

**Table ASBU-EUR-DAIM-3-3****Table is provided as a separate excel spreadsheet**

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