

A large white commercial airplane, likely a Boeing 747, is shown from a low angle, flying over a thick layer of white clouds. The sky above the clouds is a clear, vibrant blue. The airplane's fuselage, windows, and part of its wing are visible on the right side of the frame.

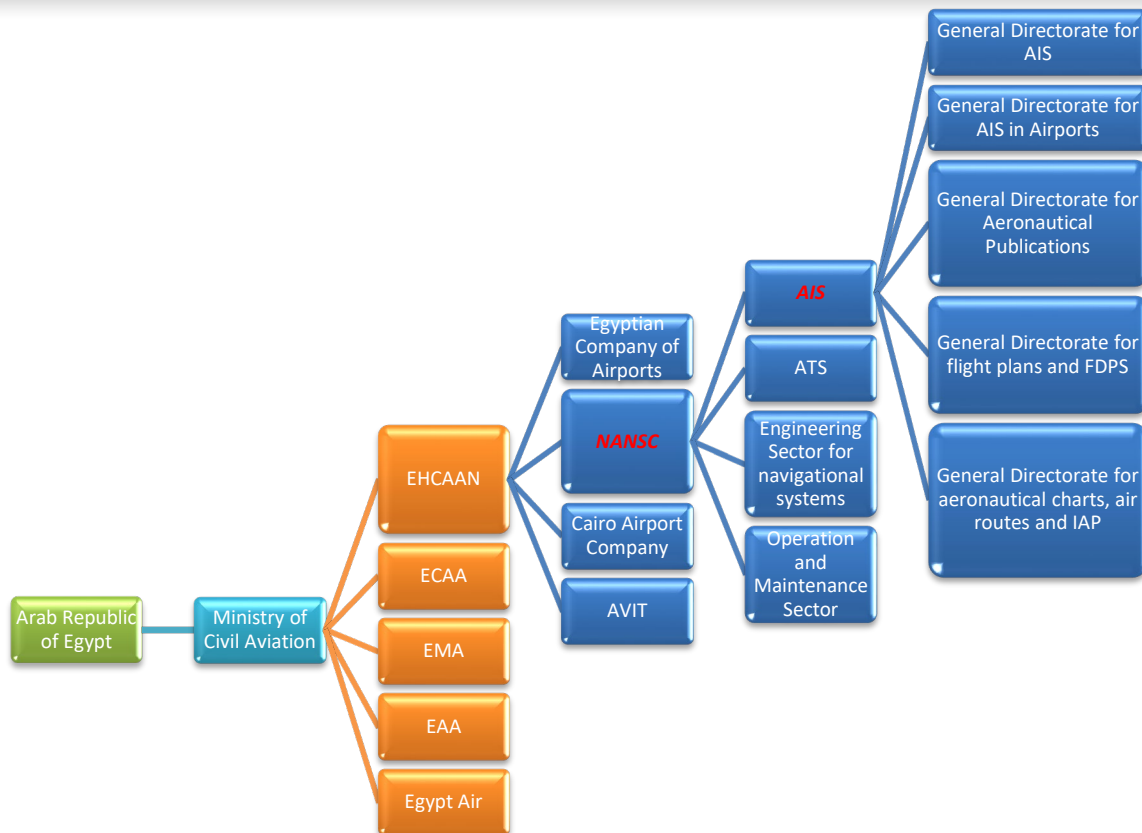
# New AIM System Implementation



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# Introduction

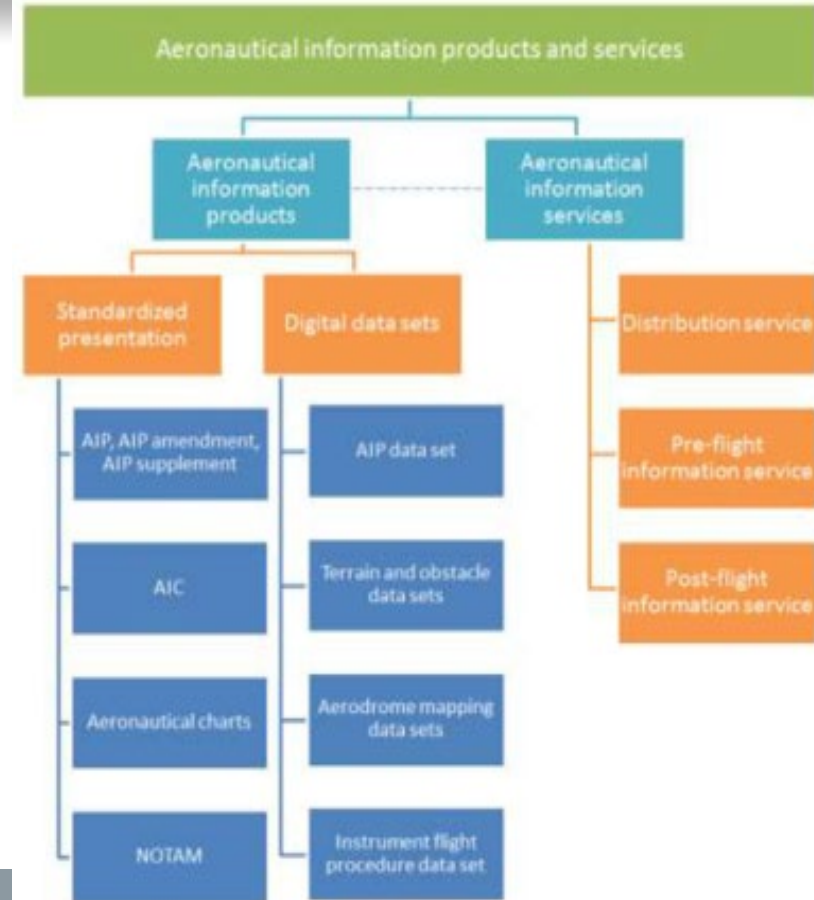


NANSC is responsible for preparing and operating Air Traffic Services, Navigational Aids and Safe guarding Air Navigation Services within The Egyptian Airspace and in all Egyptian airports.



The policy of the Egyptian AIS is to provide the highest level of aeronautical information necessary for the safety, regularity and efficiency of international air navigation and the full compliance with national and international regulations. This policy is carried out through collection, collation, edition and distribution of aeronautical information in compliance with ICAO standards and recommended practices and national regulations.

Aeronautical information shall be provided in the form of aeronautical information products and associated services.





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# Forward to DAIM



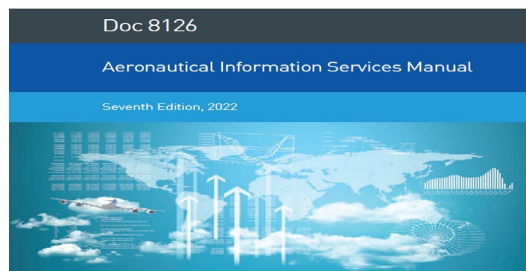
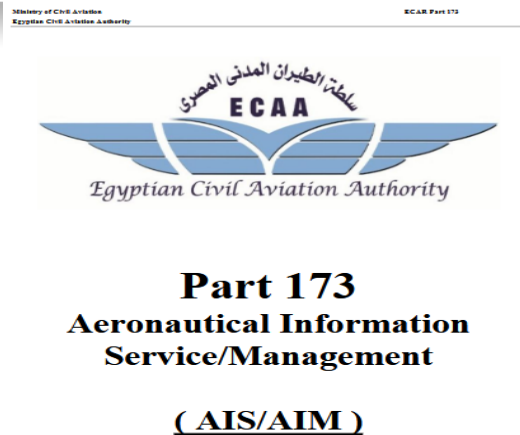


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# Forward to DAIM

The current AIS system installed since 2012 will be replaced by a new AIM automated system to fully comply with ECAA Regulation PART 173 requirements and ICAO Annex 15 SARPs, PANS-AIS (Doc 8126), PANS-AIM (Doc 10066) and Information Management Doc 10166 requirements considering ICAO MID Roadmap AIS to AIM.

An important step towards this goal and towards an integrated, responsive global ATM system is the migration of product-centric and paper-based AIS to data-centric digital AIM.

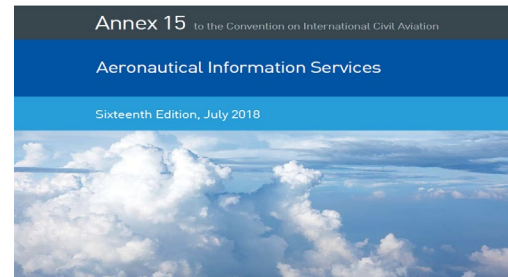


Approved by and published under the authority of the Secretary General

INTERNATIONAL CIVIL AVIATION ORGANIZATION

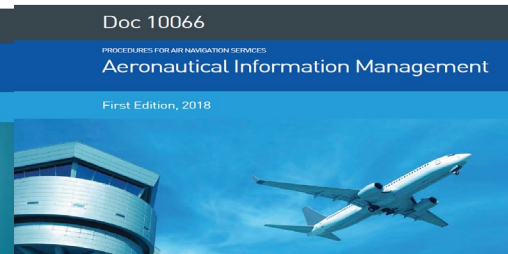


International Standards  
and Recommended Practices



This edition supersedes, on 8 November 2018, all previous editions of Annex 15.  
For information regarding the applicability of the Standards and Recommended Practices, see Foreword.

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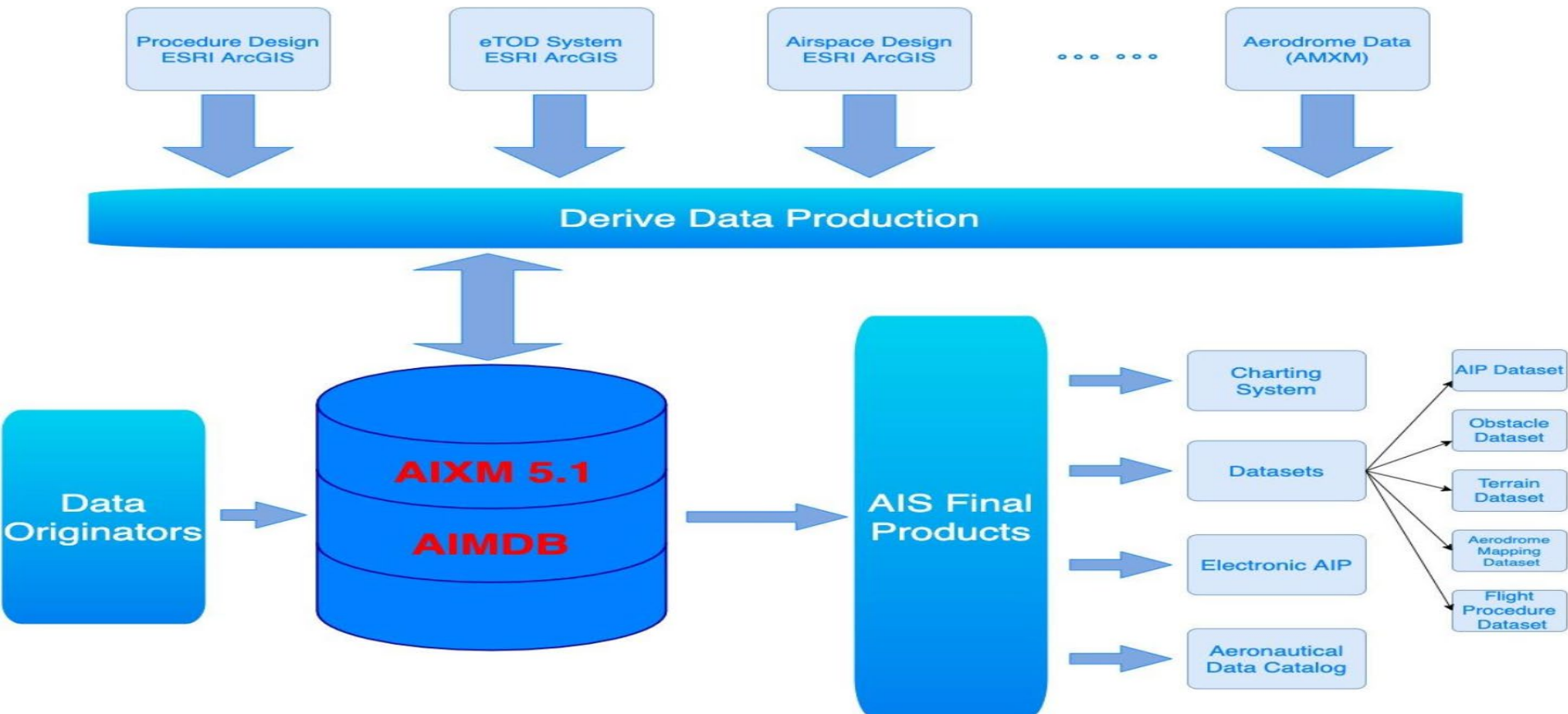
This first edition of Doc 10066 was approved by the President of the Council on behalf of the Council on 28 August 2018 and becomes applicable on 8 November 2018.

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# New AIM System





**The main capabilities of the new AIM system can be summarized as follows:**

## 1. A web-based Data Submission Tool for Data Originator based on ICAO ADC

The New AIM System will facilitate Data Feeding, save the data in the central Database, after checking the quality of submitted data and duly assembling of it .

**Time limit: JUN 2025**

**DOST - Data Origination and Submission Tool (using ADC language)**

Admin Admin Logout

Requests

Filters: Title, Status etc.

Title: [ ] Organisation: [ ] Status: [ ] Effective date range: [ ]

[ Reset ] [ Search ]

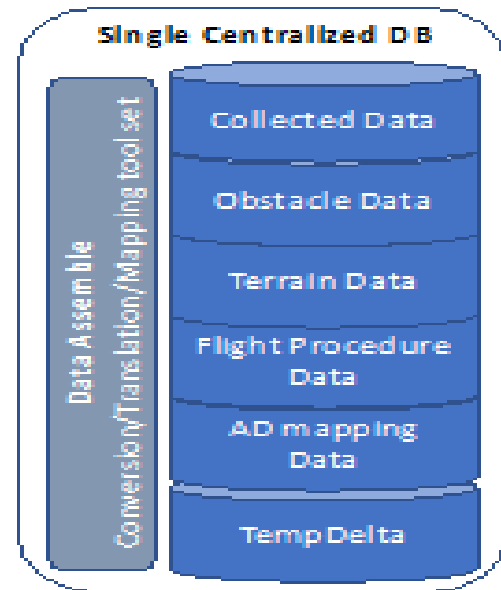
ID	Title	Effective Date	End Effective Date	Category type	Organisation	Status
N60Y2024	Demo request #4	23 Jan 2025	20 Mar 2025	ATS and other routes data	Demo organisation #4	Approved
N59Y2024	Demo request #3	26 Dec 2024	-	Aerodrome data	Demo organisation #4	Rejected
N58Y2024	Demo request #2	20 Feb 2025	15 May 2025	ATS and other routes data	Demo organisation #4	Returned to fix
N57Y2024	Demo request #1	28 Nov 2024	-	Aerodrome data	Demo organisation #4	Under consideration



## 2. AIXM 5.1 based central AIM Database (AIMDB)

The New AIM System will establish an integrated aeronautical information database based on AIXM 5.1 and the content of the Electronic AIP will be generated from the digital database. The new AIM System has the capabilities to ensure the exchange of aeronautical data as required by ICAO Annex 15 and PANS-AIM (Doc 10066).

**Time limit: JUN 2025**







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# New AIM System

## 3. Electronic AIP Publishing Tool

The New AIM System includes eAIP production system which will produce eAIP both in text and tables format including electronic charts.

**Time limit: JUN2025**



Arab Republic of Egypt  
Aeronautical Information Publication  
See cover page for details.



PDF  
AIS of Egypt website



Help  
Feedback

AIP | AMDT | SUPs | AICs | Search

Effective 25 JAN 2024

- Part 1 GENERAL (GEN)

+ GEN 0

+ GEN 1 NATIONAL REGULATIONS AND REQUIREMENTS

+ GEN 2 TABLES AND CODES

+ GEN 3 SERVICES

+ GEN 4 CHARGES FOR AERODROMES/HELIPORTS AND AIR

- Part 2 EN-ROUTE (ENR)

+ ENR 0

+ ENR 1 GENERAL RULES AND PROCEDURES

+ ENR 2 AIR TRAFFIC SERVICES AIRSPACE

+ ENR 3 ATS ROUTES

+ ENR 4 RADIO NAVIGATION AIDS/SYSTEMS

+ ENR 5 NAVIGATION WARNINGS

+ ENR 6 EN-ROUTE CHARTS

- Part 3 AERODROMES (AD)

+ AD 0

+ AD 1 AERODROMES/HELIPORTS - INTRODUCTION

+ AD 2 AERODROMES

+ AD 3 HELIPORTS

eAIP

Arab Republic of Egypt

CONSULT NOTAM FOR LATEST INFORMATION



Aeronautical Information Services of National Air Navigation Services Company

### Information on this eAIP Package

Effective date: 25 JAN 2024

Publication date: 02 DEC 2023

### Description

ARAC AIP AMDT: 001/2024

### Changes in this amendment:

See AICs tab:

AIP | AMDT | SUPs | AICs | Search

The following NOTAM are incorporated in this Amendment:

The following AIP SUP has been published:

The following AIC has been published:

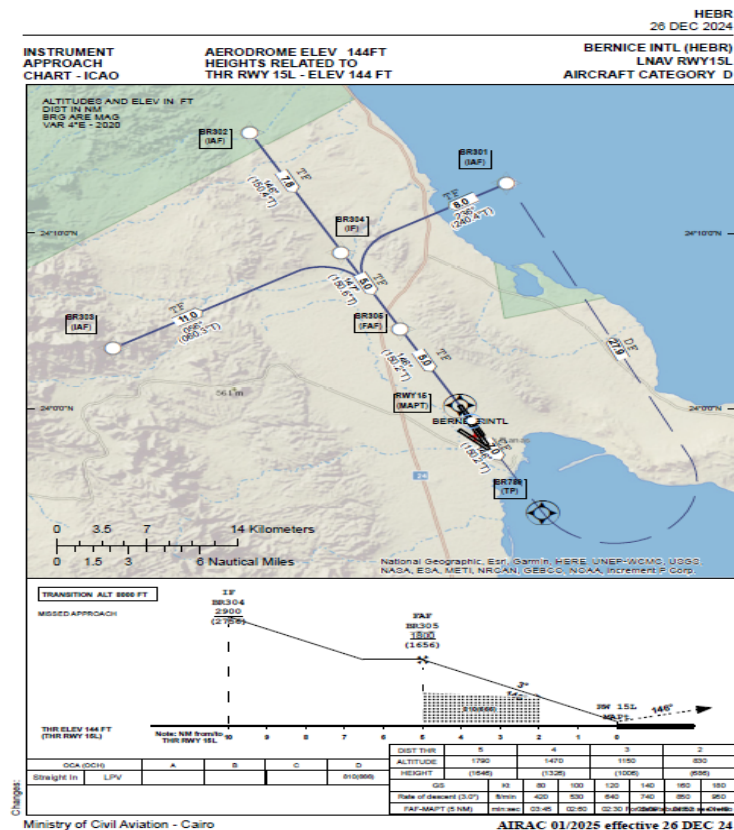
The following AIP SUP has been cancelled/replaced:

The following AIC has been cancelled/replaced:

#### 4. Fully data driven Aeronautical Charting Tool

The Integrated Cartographic Environment is a GIS (Graphical Information System) based on ArcGIS platform for automated creation and maintenance of aeronautical charts directly from centralized AIXM 5.1 DB as per the ICAO Annex 4 and the roadmap from AIS to AIM.

Time limit: DEC 2025

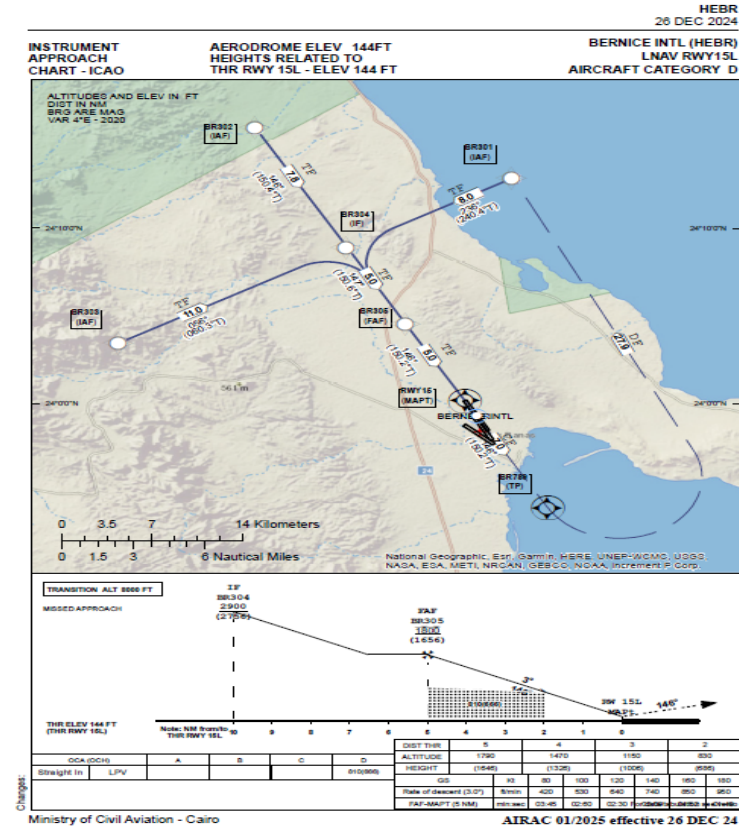




## 5. Instrument Flight Procedures Design and Airspace elements and Design Tool

It creates and designs all types of IFP either conventional or RNP , SID/STAR, etc. and then converts and stores them in AIXM 5.1 DB automatically

Time limit: DEC 2025

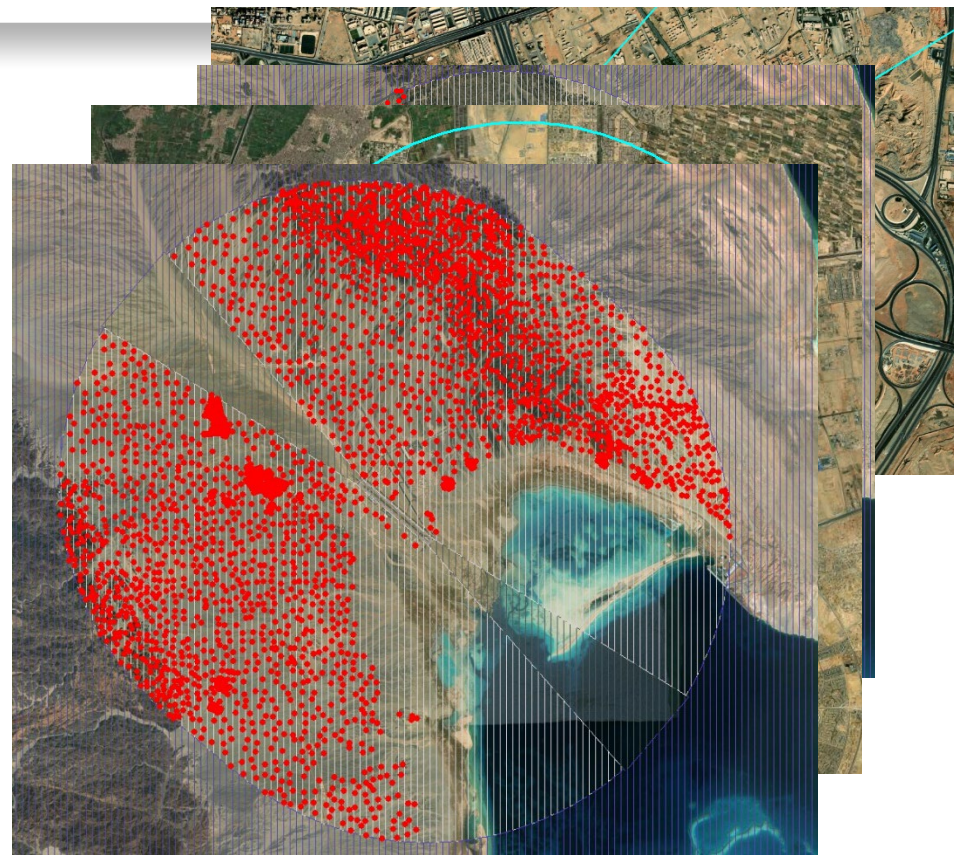




## 5. Electronic Terrain and Obstacle Data eTOD

e-TOD tool provides all the necessary tools to import, integrate, manage and deliver obstacle and terrain data in accordance with ICAO Docs 9881, 10066 and Annex 15. It can assist the user in managing the lifecycle of data, validating and detecting ambiguous and conflicting data as well as supporting data export and report.

**Time limit: Ready as soon as raw materials are available**





## 6. Datasets management

The new AIM system will ensure the management of the following data sets:

### 1. AIP data sets:

- ✓ air traffic services (ATS) airspace
- ✓ special activity airspace
- ✓ ATS route and other Route
- ✓ route segment
- ✓ waypoint – en-route
- ✓ aerodrome/heliport
- ✓ runway
- ✓ runway direction
- ✓ final approach and take-off (FATO)
- ✓ touchdown and lift-off (TLOF)
- ✓ radio navigation aids

### 2. Terrain and obstacle data sets.

### 3. Instrument Flight Procedure data set.

### 4. Aerodrome mapping data sets will be implemented in the next phase.

**Time limit: JUN 2025**



Next phase of the automation project, AIS Sector will develop:

- Digital NOTAM,
- Electronic Briefing,
- The interoperability with the meteorological service,
- Dissemination of aeronautical information in a SWIM-enabled environment,
- User-defined products and
- The decommissioning of current distribution mechanisms.





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# Thank You

**Any Questions?**