



ICAO

# MIDANPIRG/23 & RASG-MID/13

CAIRO - EGYPT

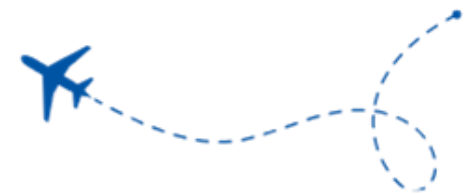
14-18 JUNE 2026



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# Mina Gamal

AIS Officer – AIP Department  
National Air Navigation Service Company  
(NANSC)  
EGYPT



# Egypt's Civil Aviation Hierarchy



## Ministry of Civil Aviation

Primary governing body overseeing all aviation entities under the Arab Republic of Egypt.

## EHCAAN Holding Company

Intermediate holding entity managing airport companies and the national navigation company.

## NANSC: National Air Navigation Services

The core entity responsible for ATS, AIS, engineering, and maintenance sectors.

## AIS Sector

Core sector managing aeronautical information services, including flight plans, aeronautical publications, charts, and air routes.



# Egypt's eAIP Success Story

## FROM PAPER TO DIGITAL



# Egypt's AIM Evolution: From Paper to Digital Data-Centricity

## PHASE 1: THE DIGITAL TRANSITION

### From Documents to Digital Data

Shifted focus from publishing paper documents to managing digital A/XM 5.1-compliant aeronautical data.



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### Full ICAO Compliance

Aligned all production tools with ICAO Annex 15 and Doc 10066 (PANS-AIM) requirements.



### Overcoming Transition Hurdles

Migrated legacy data into structured databases while upskilling the workforce for digital workflows.

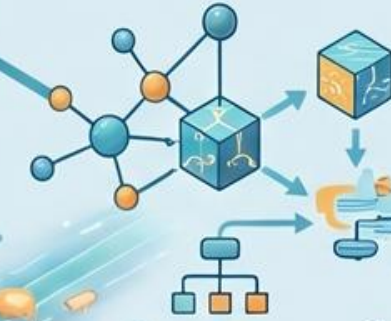
## PHASE 2: THE FUTURE ROADMAP

### 2027: Full Dataset Integration

Implementation of comprehensive terrain, obstacle, and aerodrome mapping data sets.



June 2026  
Full Electronic AIP (eAIP) production implementation



2027  
Fully data-driven  
Charting and IFP  
Design tools

### Transition to SWIM Environment

Moving toward System Wide Information Management (SWIM) for seamless global data exchange.



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### Next-Gen Innovations

Developing digital NOTAMs and information support for UAS Traffic Management (UTM).



Future Phase  
Digital NOTAMs  
and SWIM-enabled  
environment

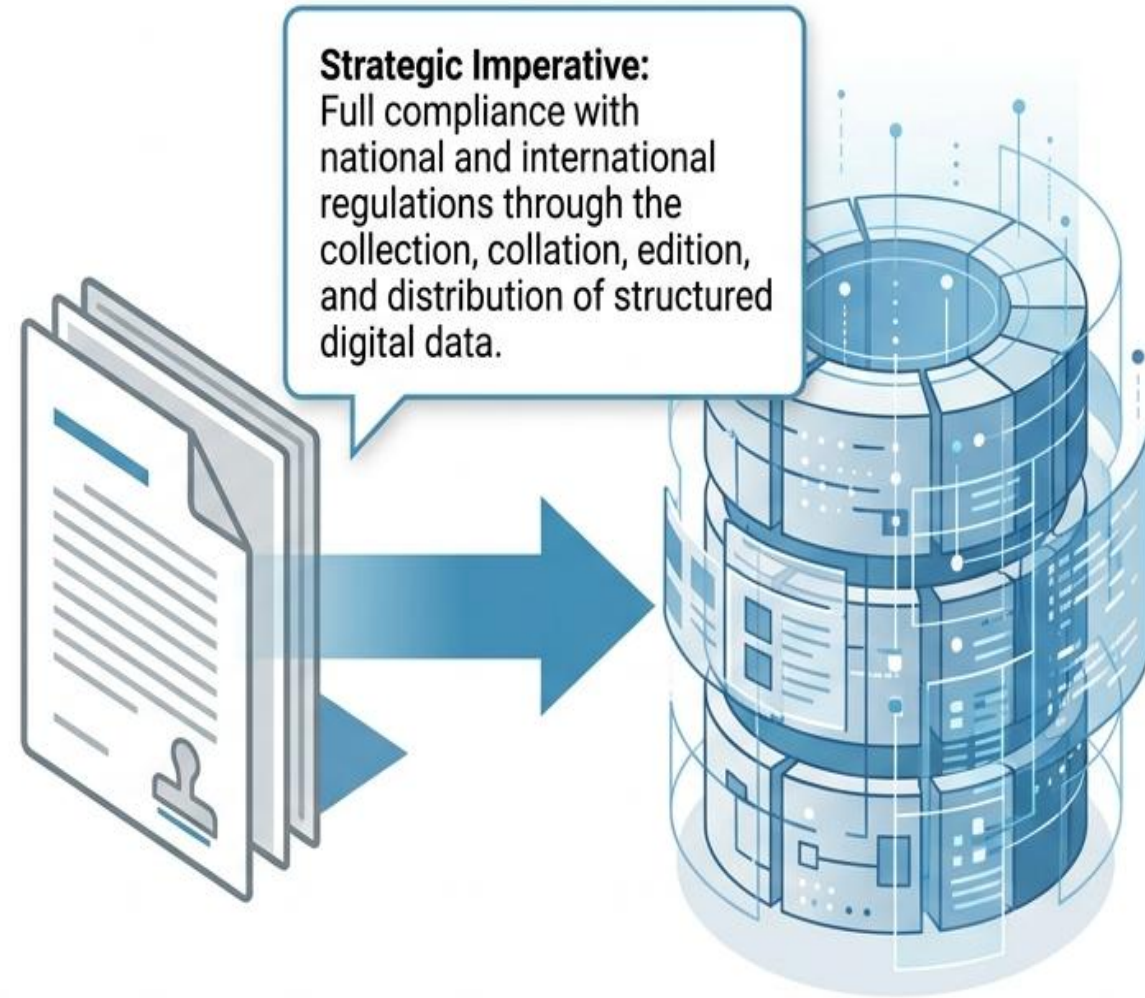
# The Mandate for Modernization

## Core Responsibility

NANSC provides Air Traffic Services, Navigational Aids, and safeguards Air Navigation Services within Egyptian airspace and airports.

## The Policy

Provide the highest level of aeronautical information necessary for the safety, regularity, and efficiency of international air navigation.



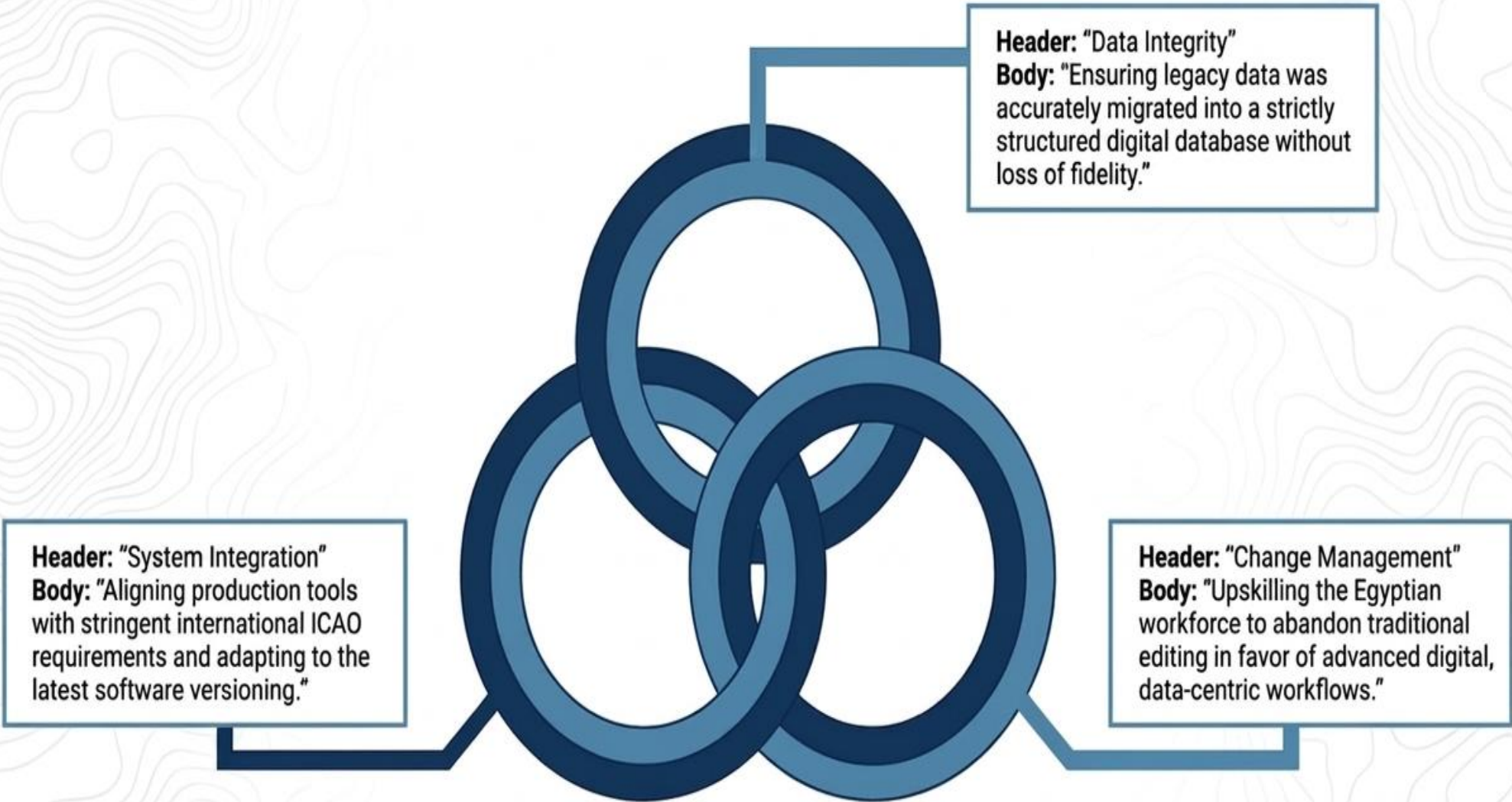
# The Paradigm Shift: From Publishing to Managing

	Legacy AIS Pre-2012		Digital AIM Modernized Environment
<b>Approach</b>	Product-Centric	➔	Data-Centric
<b>Format</b>	Paper-heavy & PDF Documents	➔	Digital AIM 5.1 Database
<b>Mindset</b>	Publishing static documents	➔	Managing dynamic, interoperable data
<b>Compliance Framework</b>	Pre-2012 Standards	➔	DOC 8126, ICAO Annex 15, PANS-AIM (Doc 10066), Information Management Doc 10166, ECAA Part 173.

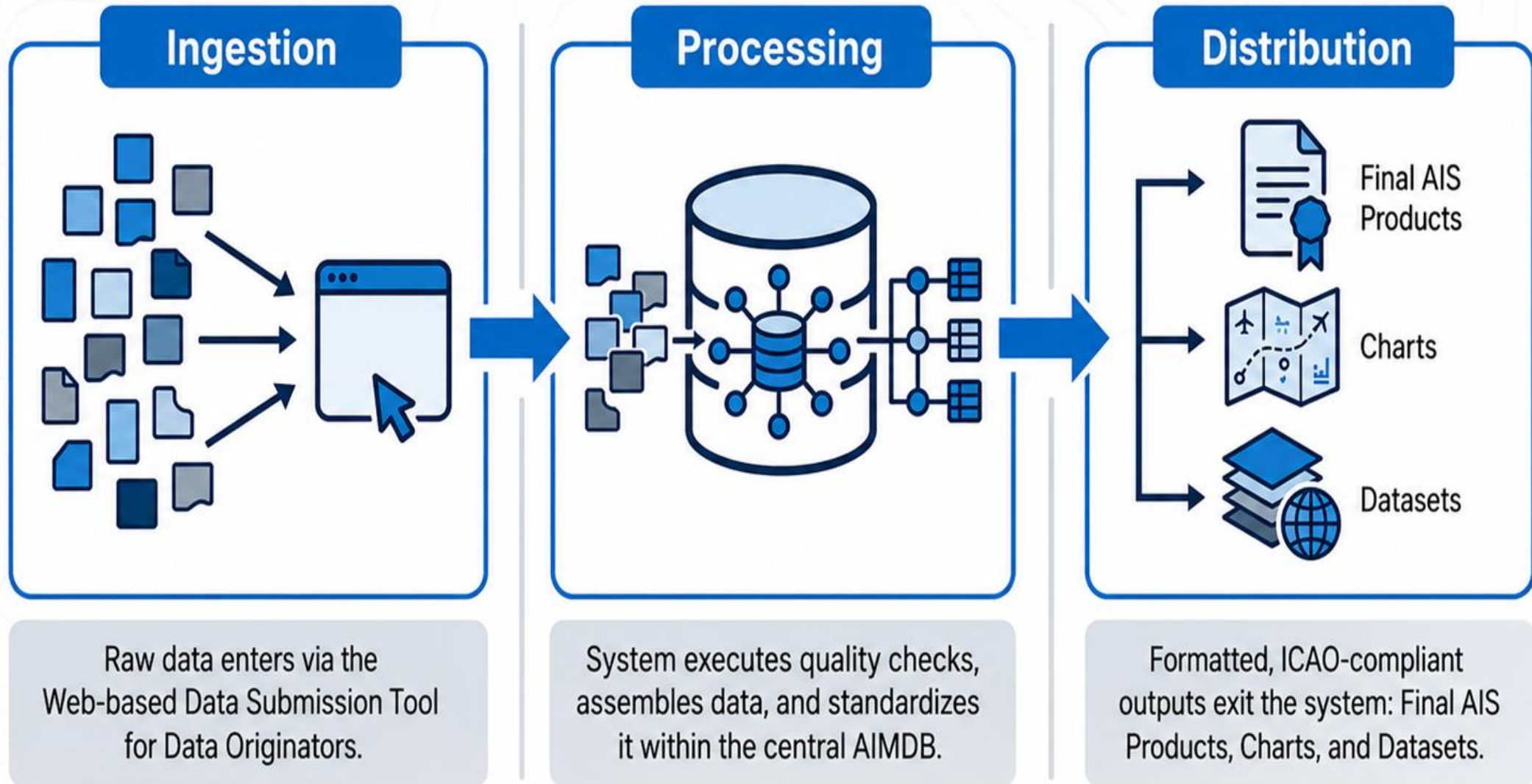
# The Evolutionary Matrix of Aeronautical Information

	Traditional AIP	Fragmented Digital AIP	Standardized eAIP
Production Format	Paper & Manual Typesetting	Standalone PDFs & Word Docs	XML Document Type Definition (DTD)
Amendment Process	Physical postal distribution & manual insertion	Redownloading full regional documents	Automated data parsing & Internet distribution
Harmonization	Localized standards	Divergent implementations	Fully compatible with ICAO SARPS
System Architecture	Physical Archives	Isolated local servers	Integrated regional databases (e.g., AIXM compatible EAD)

# The Transformation Framework



# The Data-Centric Digital AIM Environment



# Milestone Achieved: Electronic AIP Live

**STATUS:** Implemented June 11



## Unified Format

Capable of producing eAIP in both text and tables format, inclusive of electronic charts.



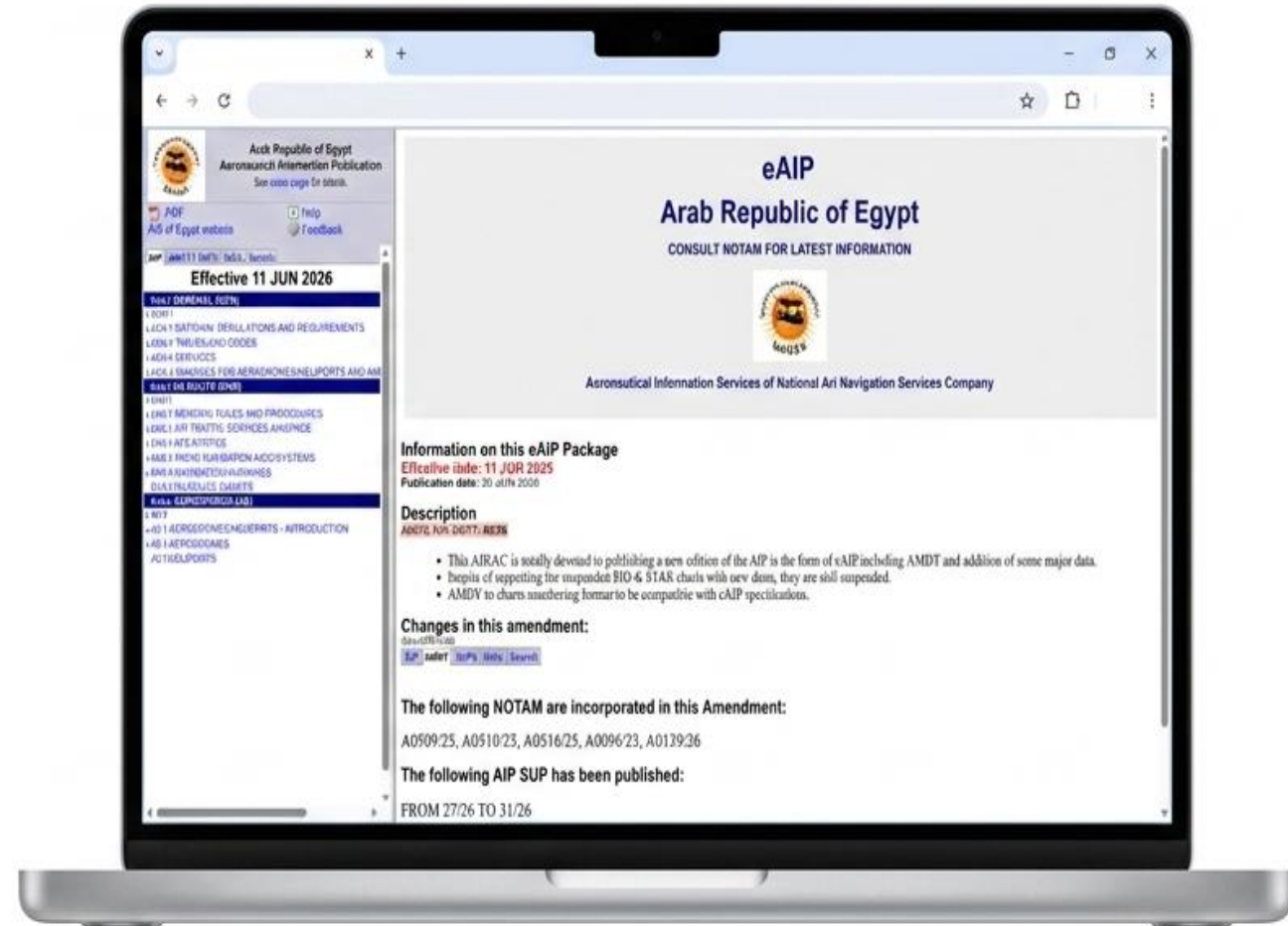
## Efficiency


Dramatically faster publication cycles and a sharp reduction in manual data-entry errors.



## Global Accessibility

Aeronautical data is instantly accessible and interoperable for international stakeholders.





**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 11 JUN 2026**

**Part 1 GENERAL (GEN)**

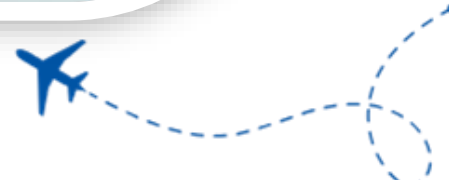
- + GEN 0
- + GEN 1 NATIONAL REGULATIONS AND REQUIREMENTS
- + GEN 2 TABLES AND CODES
- + GEN 3 SERVICES
- + GEN 4 CHARGES FOR AERODROMES/HELIPORTS AND AIR

**Part 2 EN-ROUTE (ENR)**

- + ENR 0
- + ENR 1 GENERAL RULES AND PROCEDURES
- + ENR 2 AIR TRAFFIC SERVICES AIRSPACE
- ENR 3 ATS ROUTES
  - ENR 3.1 [AIP-DS] LOWER ATS ROUTES
  - A16
  - A727
  - B411
  - G183
  - J863
  - J981
  - L315
  - L321
  - L323
  - L324
  - L550
  - L551
  - L560
  - L604
  - L607
  - L612
  - L613
  - L617
  - L677
  - M565
  - M686
  - M690
  - M720
  - M755

Route Designator {RNP Type}		[Route Usage Notes]				Remarks	
Significant Point Name Significant Point Coordinates		Track MAG	DIST	Upper limit Lower limit Airspace class	Lateral limits		Direction of cruising levels Odd Even
1	2					5	6
<b>A727</b>							
▲ CAIRO DVOR/DME (CVO) 300532N 0312318E							
		158.85° 338.91°	24.4 NM	UNL FL 095 CLASS A, D	10 NM	↓   ↑	Cairo ACC FREQ: 132.200 MHZ Cairo ACC FREQ: 125.300 MHZ WI Cairo TMA
▲ SOLAM 294201N 0313106E							
		159.02° 339.14°	44.6 NM	UNL FL 065 CLASS A, D	10 NM	↓   ↑	Cairo ACC FREQ: 132.200 MHZ Cairo ACC FREQ: 125.300 MHZ WI Cairo TMA
▲ RASMI 285901N 0314506E							
		159.35° 339.49°	59.0 NM	UNL FL 065 CLASS A, D	10 NM	↓   ↑	Cairo ACC FREQ: 132.200 MHZ
▲ SEMRU 280200N 0320306E							
		159.12° 339.23°	45.6 NM	UNL FL 065 CLASS A, D	10 NM	↓   ↑	Cairo ACC FREQ: 132.200 MHZ
▲ NABED 271801N 0321706E							
				UNL			

Windows Search: 2026-06-11-AIRAC Egypt Aeronautica





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+ ENR 3.1 [AIP-Ds] LOWER ATS ROUTES  
+ ENR 3.2 [NIL] UPPER ATS ROUTES  
+ ENR 3.3 [NIL] AREA NAVIGATION ROUTES  
+ ENR 3.4 [NIL] HELICOPTER ROUTES  
+ ENR 3.5 [NIL] OTHER ROUTES  
+ ENR 3.6 [AIP-Ds] EN-ROUTE HOLDING  
+ 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  
+ HEAL AL ALAMAIN / INTL | الطمين الدولي  
+ HEAR EL ARISH INTL | العريش الدولي  
+ HEAT ASYUT INTL | أسيوط الدولي  
+ HEAX ALEXANDRIA INTL | الإسكندرية الدولي  
+ HEAZ ALMAZA AFB / MILITARY | قاعدة المازة الجوية  
+ HEBL ABU SIMBEL | أبو سمبل  
+ HEBR BERNICE INTL | برنيس الدولي  
- HECA CAIRO INTL | القاهرة الدولي  
AD 2.1 HECA AERODROME LOCATION INDICATOR AND NAME  
AD 2.2 HECA AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA  
AD 2.3 HECA OPERATIONAL HOURS  
AD 2.4 HECA HANDLING SERVICES AND FACILITIES

**HECA — CAIRO INTL**  
القاهرة الدولي

**HECA AD 2.1 AERODROME LOCATION INDICATOR AND NAME**  
اسم ورمز موقع المطار

**HECA — CAIRO INTL**  
القاهرة الدولي

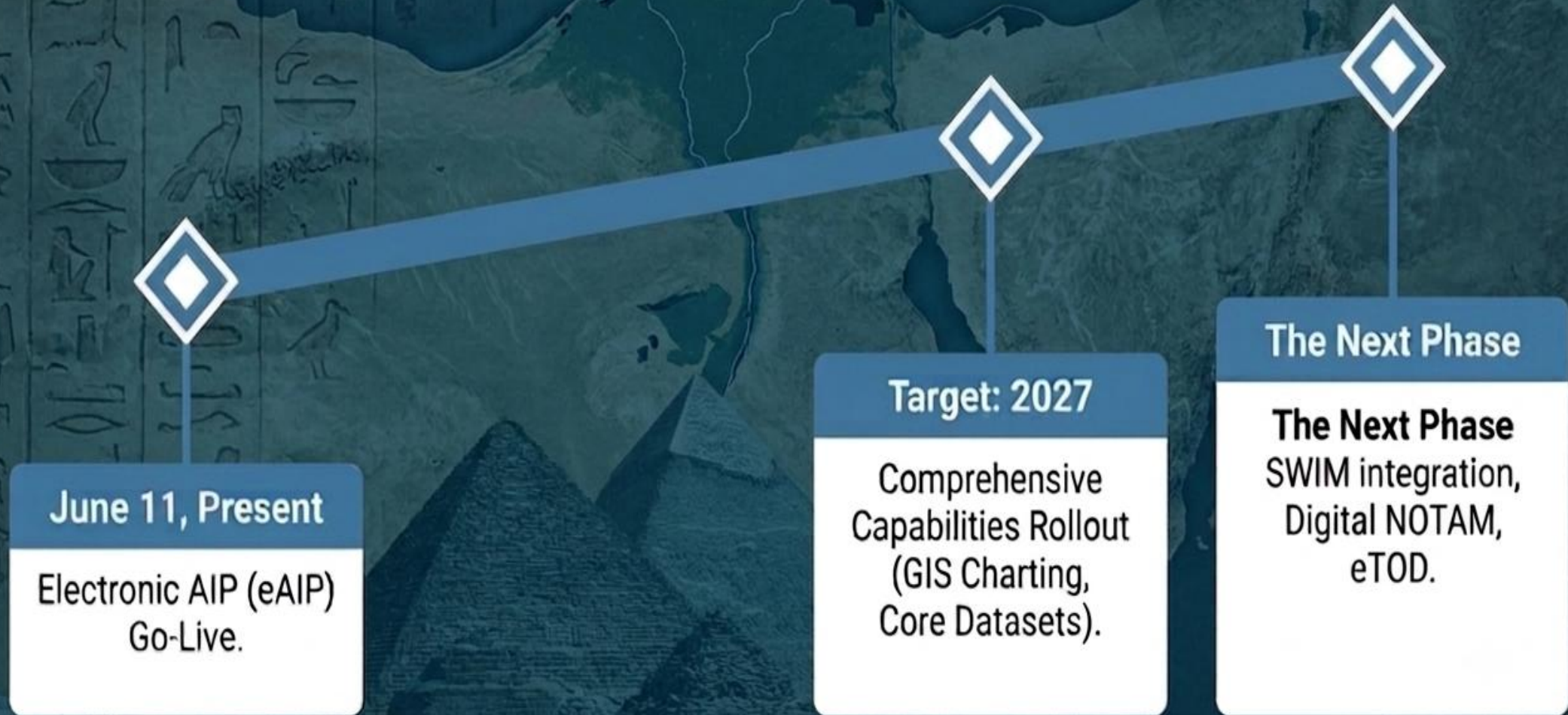
**HECA AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA**  
بيانات المطار الجغرافية والإدارية

1	ARP coordinates and site at AD 300641N 0312450E Mid point of RWY 05C/23C	إحداثيات النقطة المرجعية وموقعها بالمطار 300641 شمالاً 031245 شرقاً منتصف المدرج 05 وسط/23 وسط
2	Direction and distance of ARP from centre of the city 13NM ENE of Cairo central railway station	الاتجاه والبعد عن المدينة 13 ميل بحري شرق شمال شرق محطة القارة الرئيسية للسكة الحديد
3	Elevation/Reference temperature/Mean low temperature 467 FT / 35 °C / NIL	المنسوب/درجة الحرارة المرجعية/متوسط درجة الحرارة الصغرى 467 قدم / 35 درجة مئوية / لا يوجد
4	Geoid undulation at AD ELEV PSN 50 FT	توج هيئة الأرض المائية لمنسوب المطار 50 قدم
5	MAG VAR/Annual Change 5° E (2025) / 0.0367° increasing	التغير المغناطيسي/معدل الاختلاف السنوي 5 شرقاً (2025) / 0.0367 بالزيادة
6	Name of AD operator, address, telephone, telefax, email, AFS, website Cairo Airport Company Postal address: Cairo International Airport, Oruba Road, Heliopolis, Cairo. (Postal Code 11776) Tel: +(202) 26966300 - 26966301 Fax: +(202) 22673537 - 22673578 Email: <a href="mailto:cac@cairo-airport.com">cac@cairo-airport.com</a> AFS: HECAYDYX URL: <a href="http://www.cairo-airport.com">www.cairo-airport.com</a>	اسم مشغل المطار، العنوان، الهاتف، الفاكس، البريد الإلكتروني، عنوان الاتصالات الخدمية الجوية الثابتة، الموقع الإلكتروني شركة ميناء القاهرة الجوي العنوان البريدي: مطار القاهرة الدولي، طريق العروبة، مصر الجديدة، القاهرة. (الرقم البريدي 11776) هاتف: +(202) 26966300 - 26966301 فاكس: +(202) 22673537 - 22673578 البريد الإلكتروني: <a href="mailto:cac@cairo-airport.com">cac@cairo-airport.com</a> عنوان الاتصالات الخدمية الثابتة HECAYDYX رابط الإنترنت: <a href="http://www.cairo-airport.com">www.cairo-airport.com</a>
7	Types of traffic permitted (IFR/VFR) IFR/VFR	أنواع الحركة الجوية المسموح بها (طيران آلي/طيران مرلي) طيران آلي/طيران مرلي
8	Remarks Aerodrome Reference Code: 4F	ملاحظات الكود المرجعي للمطار: 4F

**HECA AD 2.3 OPERATIONAL HOURS**



# Egypt's Roadmap to full AIM Integration



# 2027 Rollout: Integrated Charting & Dataset Management

## Integrated Cartographic Environment

Based on the ArcGIS platform.

Creates and maintains aeronautical charts strictly per ICAO Annex 4 and the roadmap from AIS to AIM.



# Value Realized for the MID Region

## 01 Uncompromised Compliance

Full alignment with ICAO Annex 15, Doc 10066 (PANS-AIM), and the MID Roadmap.



## 02 Global Interoperability

AIXM 5.1 integration ensures Egyptian data seamlessly interacts with international stakeholders.



## 03 Operational Efficiency

Eradication of manual bottlenecks, driving faster, safer publication cycles.



Egypt's success is a testament to technical dedication and clear vision. We look forward to collaborating with the MIDANPIRG to elevate the standards of AIM across our entire region.

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Future Phase  
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