



**INTERNATIONAL  
CIVIL AVIATION  
ORGANIZATION**



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# LATEST DEVELOPMENTS IN AIM

Olga de Frutos Martin, IMP Secretary

# Agenda

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01

Information Management  
Panel (IMP)

02

Aeronautical information

03

Aeronautical charts

04

Others

05

Implementation support

01  
Information  
Management  
Panel



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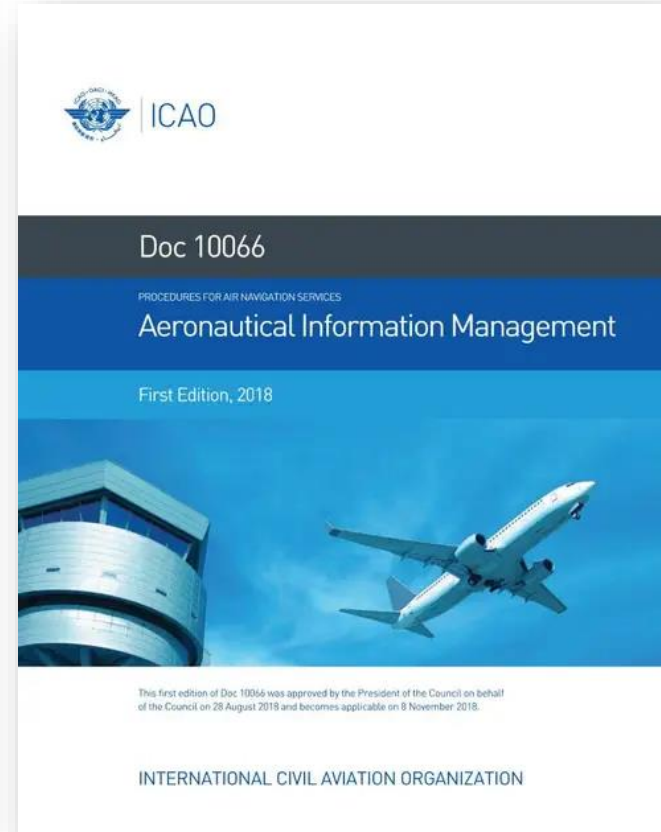
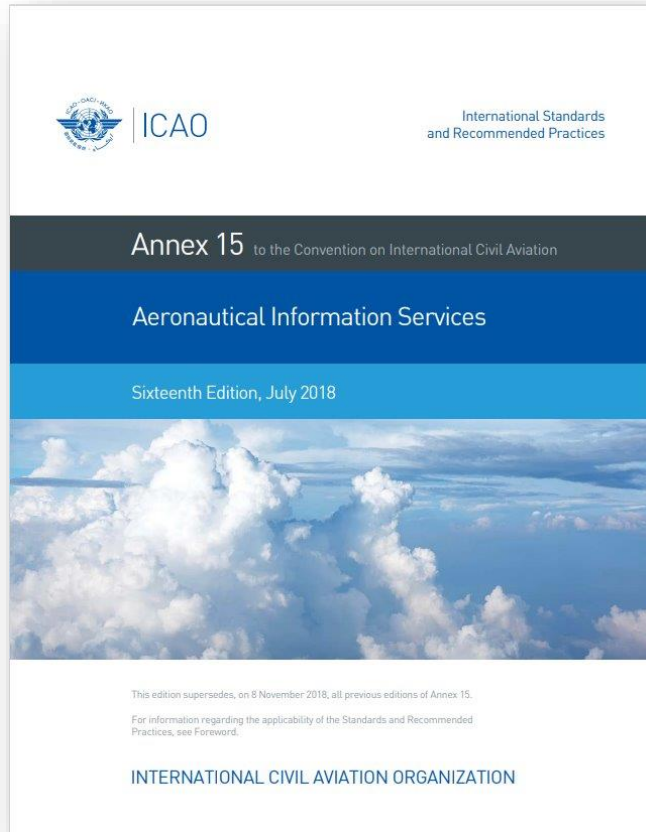
## IMP/4

ICAO HQ, Montreal, 20<sup>th</sup> to 24<sup>th</sup> April 2026

- 50 participants from 14 States and 5 international organizations
- 34 working papers, 2 information papers and 7 flimsies
- 4 Working groups:
  - WG A – Aeronautical Information
  - WG I/S – Information and services
  - WG G – Governance
  - WG TI – Technical Infrastructure
  - WG TH – Terminology harmonization



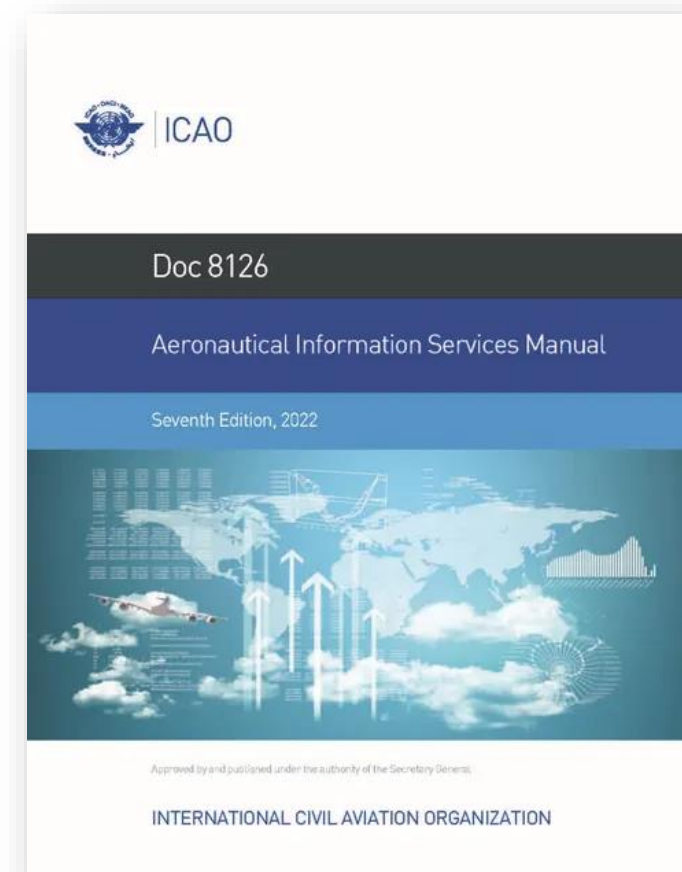
# 02 Aeronautical information



# Aeronautical Information

From a standardized presentation to a digital format to information services

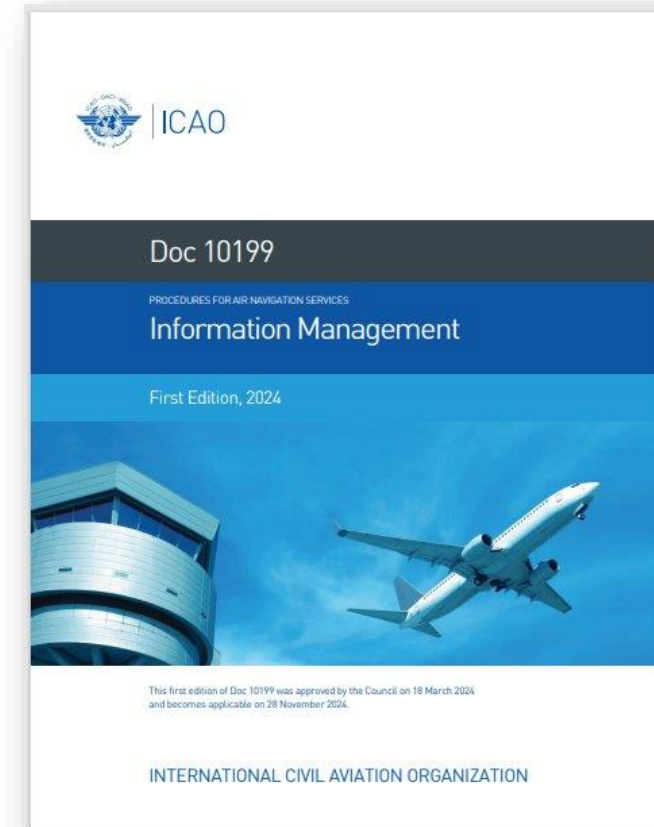
- Three things will not change:
  - The adherence to the AIRAC cycle
  - The need to ensure quality through a Quality Management System (QMS)
  - The reference model WGS-84
- From traditional aeronautical information products to digital data sets
  - Digital data sets
    - AIP data set
    - terrain data sets
    - obstacle data sets
    - aerodrome mapping data sets; and
    - instrument flight procedure data sets.



# Aeronautical Information

From a standardized presentation to a digital format to information services

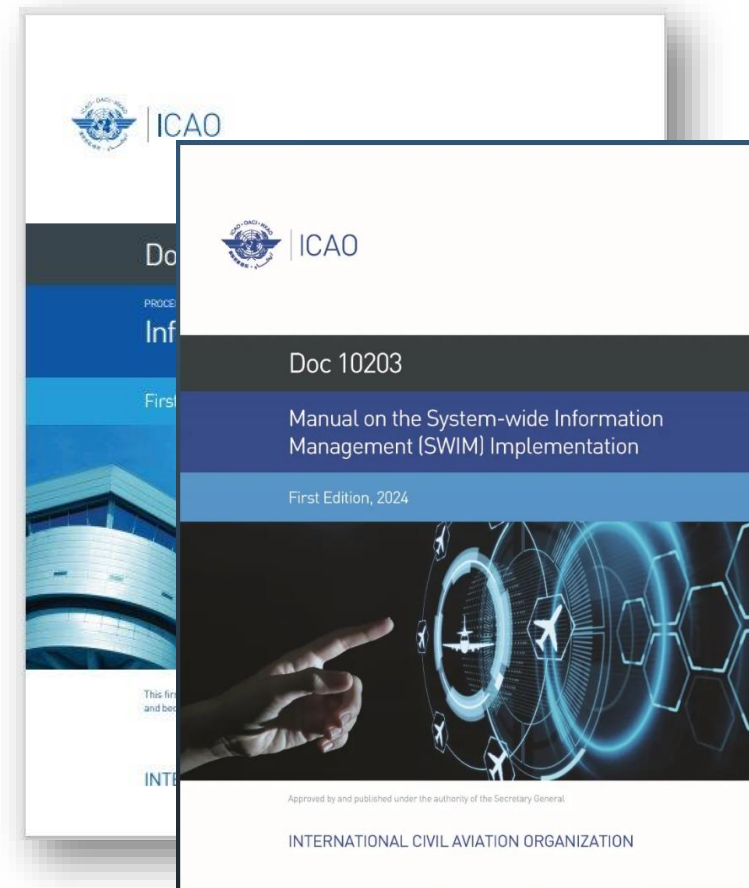
- From data sets to information services:
  - Aeronautical Data Set Request Service: allows a service consumer (data set user) to query and download data sets that are specified in ICAO Annex 15 and PANS-AIM.
  - Aeronautical Data Set Subscription Service: allows a service consumer (data set user) to subscribe to data sets and data set series and be notified of the availability of a new release of a data set.
  - Aeronautical Information Request: allows a service consumer access to aeronautical information in the form of AIXM features. The exact information can be specified in the request, e.g., based on the feature name or the location of the feature.



## Aeronautical Information

From a standardized presentation to a digital format to information services

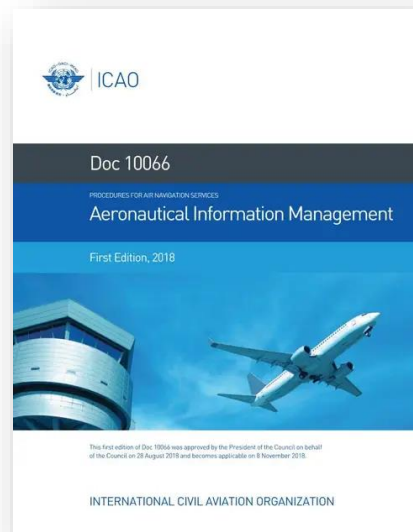
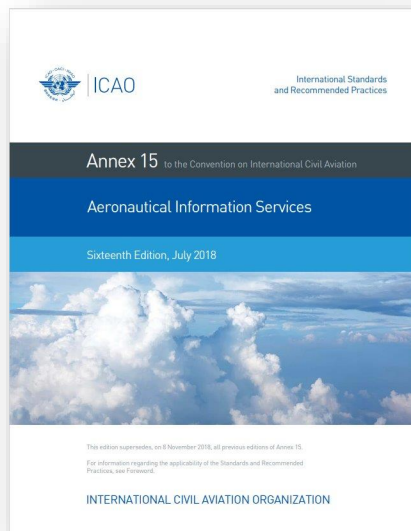
- Information service definition template
- A data model to support registry interoperability
- The addition of two fields in the information service overview to support the communication of constraints regarding the use of the information exchanged
- An initial step to information management terminology harmonization



# Aeronautical Information

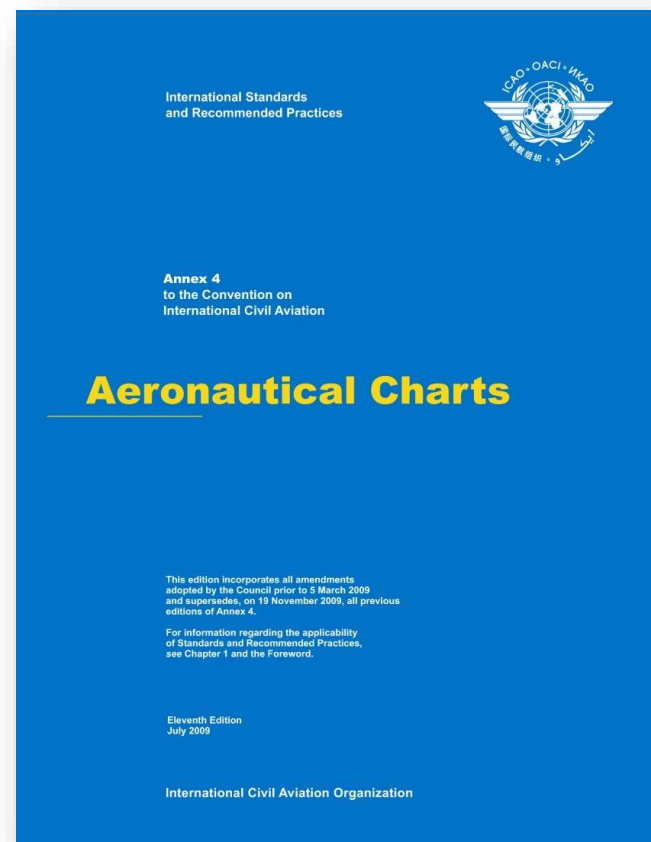
From a standardized presentation to a digital format to information services

- From NOTAM to the Digital Operational Reporting Information Service (DORIS)
  - Mandatory provision of extended AIP data set by 2031
  - Recommendation to provide DORIS by 2032
  - Sunset of the NOTAM system by 2038



03

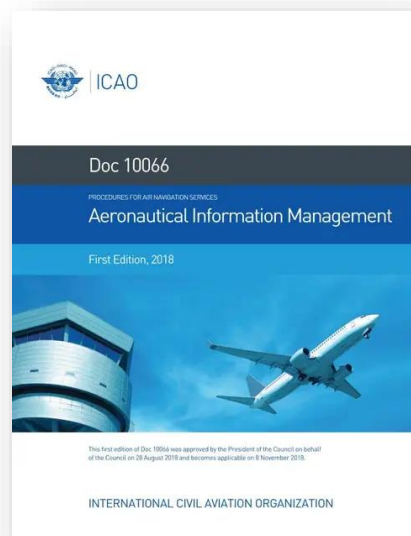
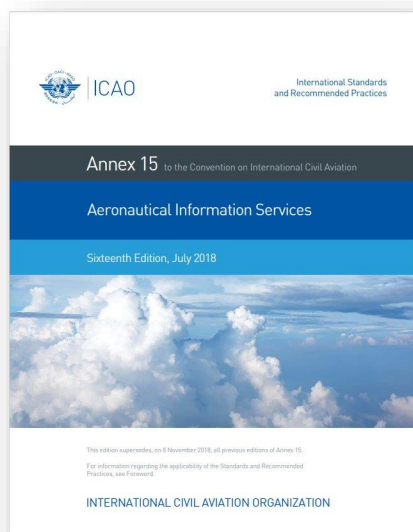
# Aeronautical charting



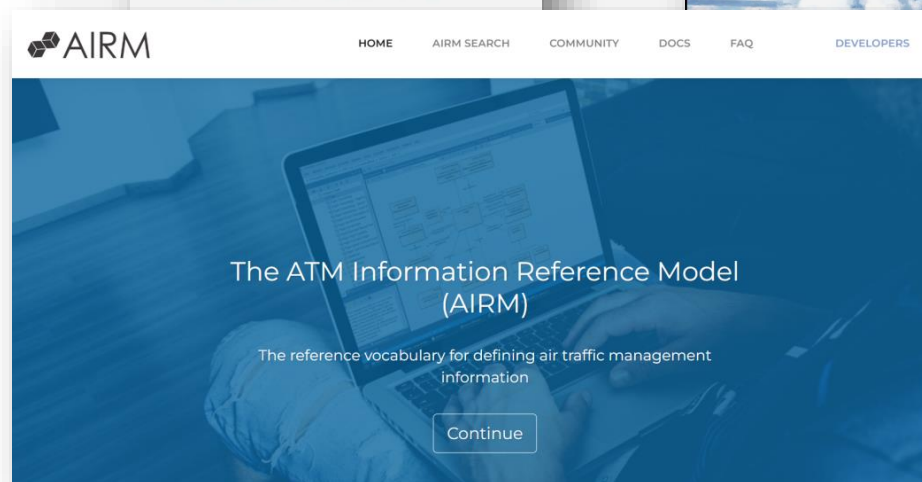
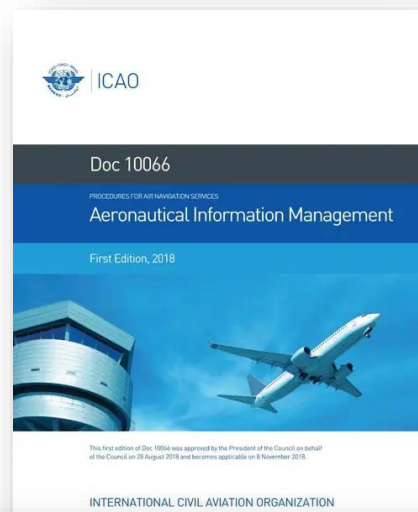
# Aeronautical charting

From printed/electronic charts to an information service map

- Removal of provisions related to the Aeronautical Navigation Chart – ICAO Small Scale and the Plotting Chart – ICAO, and making the printing of aeronautical charts optional, provided that an electronic document was made available
- Gap analysis between the data catalogue and the data necessary to generate the charts
- A concept for a future aeronautical map information service



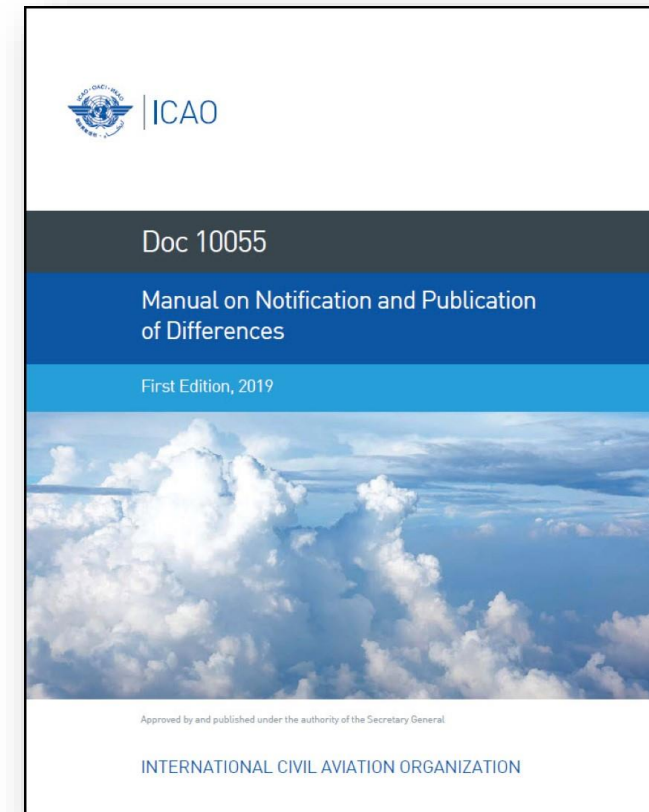
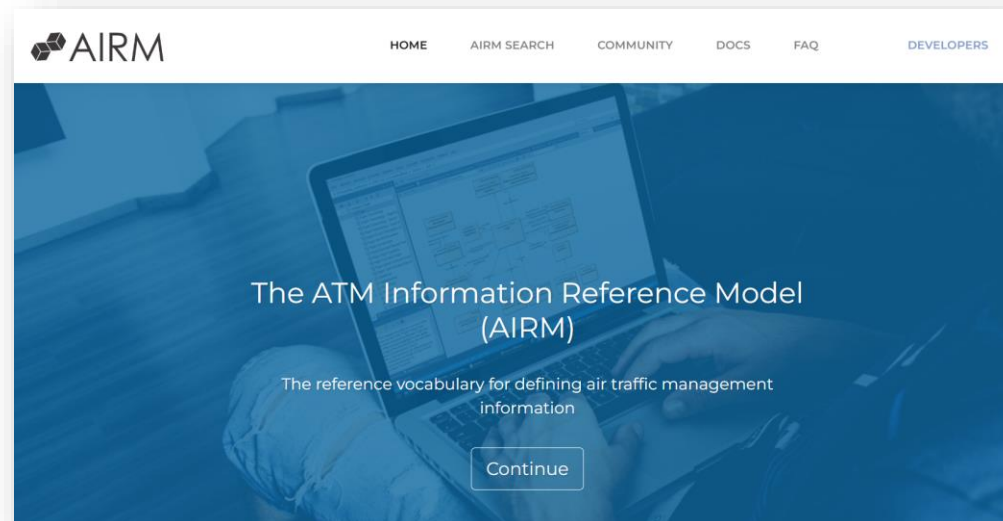
# 04 Others



## Others

From printed/electronic charts to an information service map

- Introduction of a new code for spoofing and associate the existing interference code (LF) with GNSS Services
- Endorsement of a new version of the ATM Information Reference Model (AIRM) 1.2.0
- Clarification on the determination of “significant differences” for publication in the AIP



# 05 Implementation support



How can we  
support you?

## Implementation support

- Training courses
  - Aeronautical Information Quality Management
  - Other: [ICAO Training - Air Navigation Services](#)
- Implementation support programs
  - For the next triennium
  - Regional level
  - With objectives, indicators and targets

Area	Program	Objective	Indicator	Target (by 2028)
AERONAUTICAL INFORMATION MANAGEMENT	Phase 1 - AIS consolidation	Monitoring of Annex differences	Number of States with zero deficiencies	Zero
		AIRAC adherence monitoring	Number of States with a national AIRAC calendar	100% of States
		Quality management systems	Number of States with ISO 90001:2015 certification	100% of States
		WGS-84 implementation	Number of States using WGS-84	100% of States
	Phase 2 – AIS to AIM transition – going digital	Development AIP Digital Dataset	Percentage of States with published AIP datasets	50% of States per Region
		Development of Obstacle Dataset	Percentage of States having published obstacle dataset	50% of States per Region
		Development of Terrain Dataset	Percentage of States having published obstacle databases	50% of States per Region
		Development of Instrument Flight Procedure Dataset	Percentage of States with published IFP datasets	50% of States per Region
		Development of AMDB	Percentage of States with published AMDB	50% of States per Region
		Management System for Digital Datasets - automation	Percentage of States having modified at least one dataset in the last 12 months	All States having published at least one dataset
	Phase 3- Provision of AIM information over SWIM	Prepare SWIM infrastructure: <i>See SWIM Implementation program</i>		
		Provide AIM information services		
	SWIM	SWIM implementation	IP based network	Number of States with IP based network
SWIM Registry			Number of States with a SWIM Registry	2 States per Region
SWIM Implementation Framework			Number of States with a SWIM Implementation Framework	2 States per Region
SWIM technical infrastructure (i.e. middleware or EMS/ESB)			Number of States with SWIM TI	2 States per Region

## Any other business

- Advice on where to publish procedures related to GNSS RFI:
  - where procedures describe actions to be taken by pilots during a GNSS or data link disruption that directly affect the conduct of flight the most appropriate location is ENR 1.1.
  - where additional detail is required regarding formal reporting mechanisms, post-event notification processes or coordination channels with ATS or relevant authorities, a reference may be included in ENR 1.14.
- Sub-data sets
  - Doc 8126 Part IV for terrain data sets

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# Thank You

