



**EASA**  
European Aviation Safety Agency

# A15 AMDT 40 / PANS-AIM in the EU framework

Session 3.3

Regional planning and implementation

Interregional EUR/MID PANS-AIM Workshop  
(Paris, 10-12 July 2018)

Ken ENGELSTAD  
ATM/ANS & Aerodrome Department

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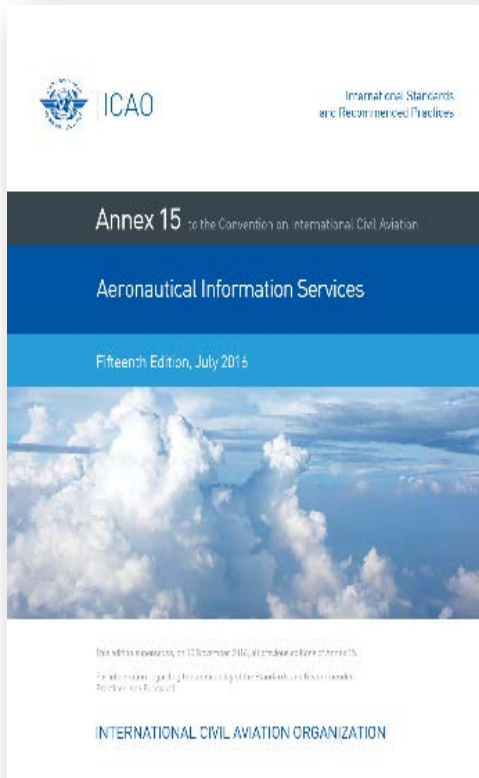


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- 2. Rule structure**
- 3. ICAO A15 & PANS-AIM: basis of the EU proposal**
- 4. Considerations**
- 5. Summary**



# AIS (-AIM) implementation in Europe



**National level**



- 2004

**European level**



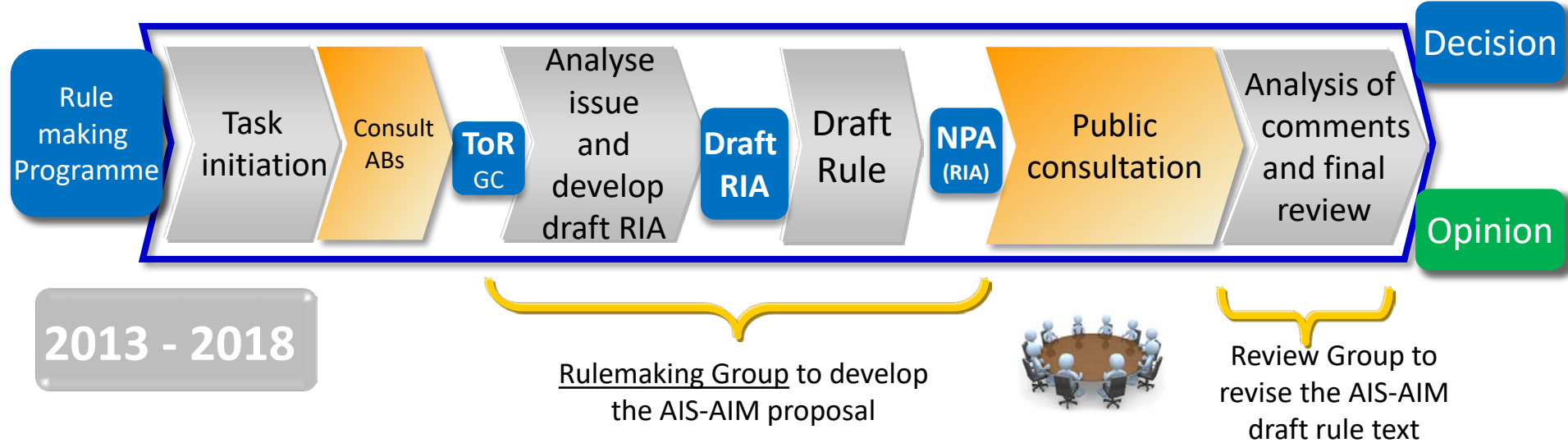
2004 - 2020



2020 -



# EASA AIS-AIM RMT & ICAO AIS-AIM SG



*Running in parallel*

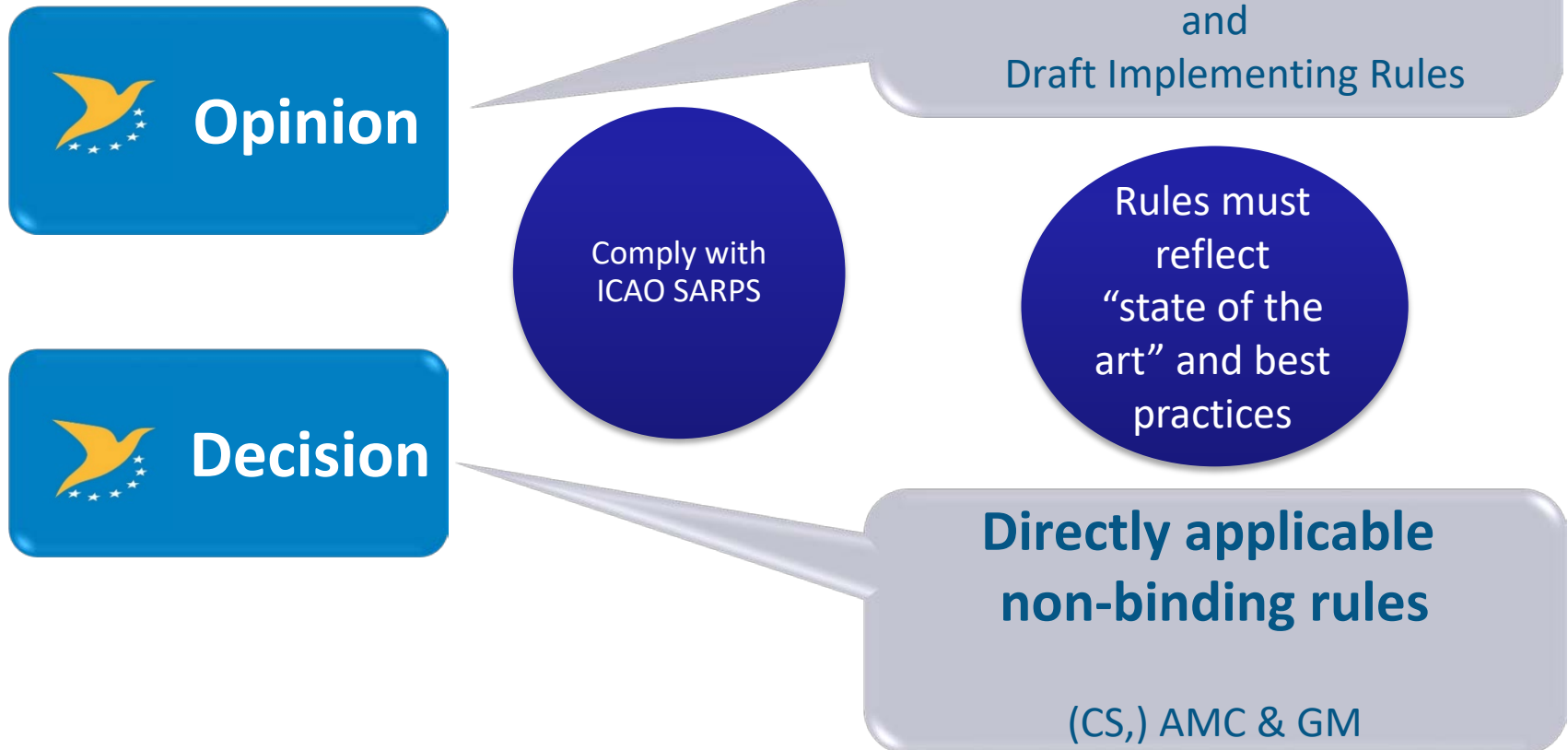


ICAO AIS-AIM Study Group/12

Annex 15 Revision Amdt 40



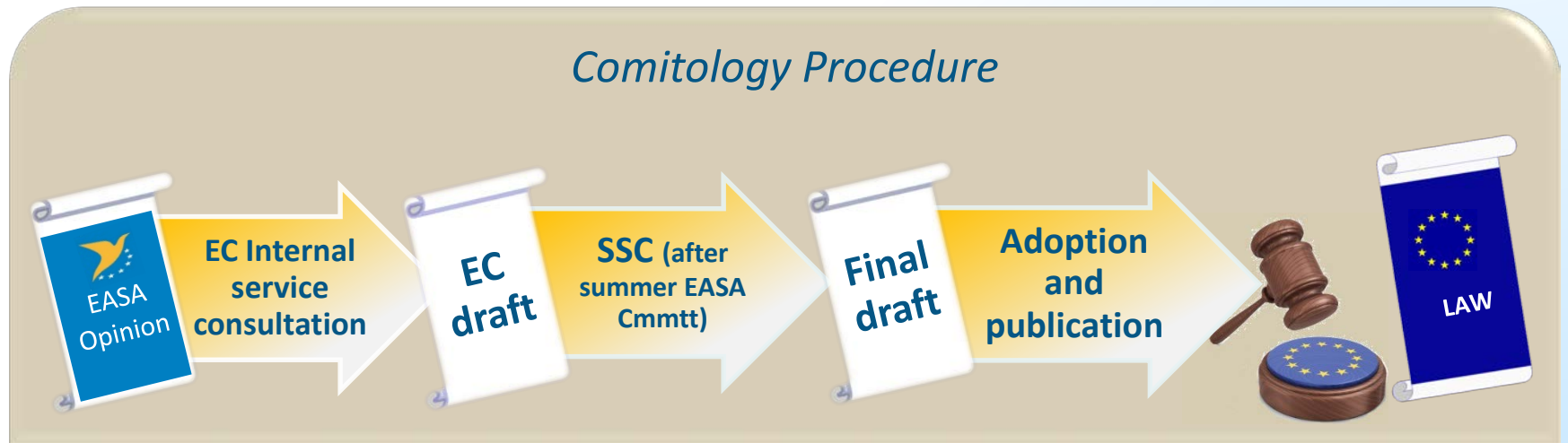
# EASA proposal for AIS-AIM





# Towards the AIS-AIM Regulation

- With the Opinion, the decision-making process is transferred to EC





## 2. Rule structure



# AIS-AIM in Regulation (EU) 2017/373

Article 3(5) covering data origination –  
ref to the relevant DO rules in Annex III

*AIS-AIM definitions*

*AIS-AIM rules for service  
providers*

Reg. (EU) 2017/373  
ATM/ANS

Annex I  
Definitions

Annex II  
Part-  
ATM/ANS.AR

Annex III  
Part-  
ATM/ANS.OR

Annex IV  
Part-ATS

Annex V  
Part-MET

Annex VI  
Part-AIS

Annex VII  
Part-DAT

Annex VIII  
Part-CNS

Annex IX  
Part-ATFM

Annex X  
Part-ASM

Annex XI  
Part-ASD

Annex XII  
Part-NM

Annex XIII  
Part-PERS

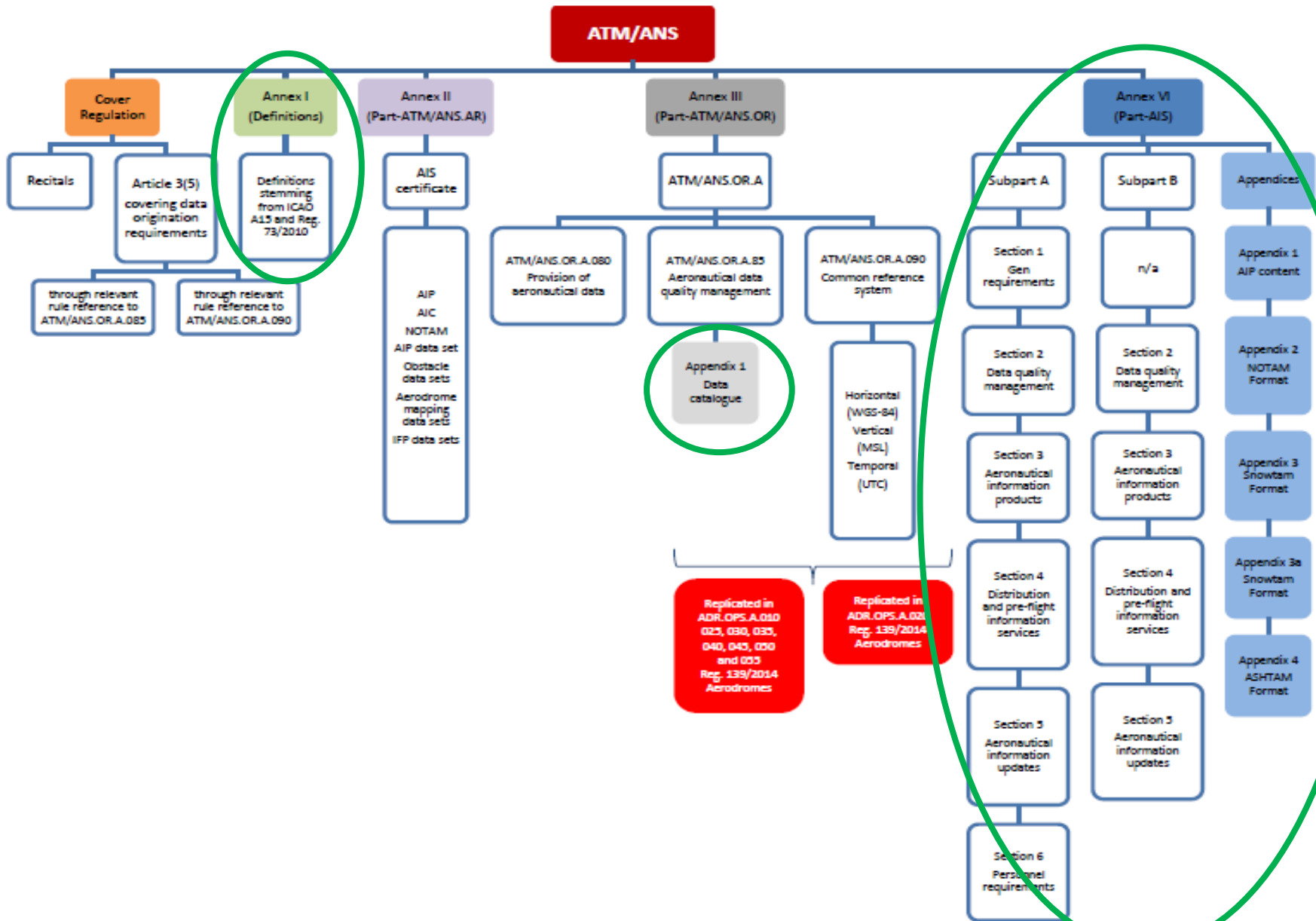
*AIS Certificate*

*AIS-AIM rules for AIS  
providers*

*Majority of ICAO  
Annex 15 and PANS-  
AIM provisions*



# AIS-AIM rule structure



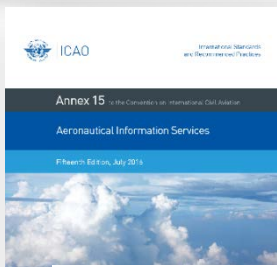


# Content

## **3. ICAO A15 & PANS AIS-AIM: basis of the EU proposal**



# ICAO ANNEX 15



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1.2 Common reference systems for air navigation.....	X
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2.1 State responsibilities.....	X
2.2 AIS responsibilities and functions.....	X
2.3 Exchange of aeronautical data and aeronautical information.....	X
2.4 Copyright.....	X
2.5 Cost recovery.....	X
<b>CHAPTER 3. Aeronautical Information Management</b> .....	X
3.1 Information management requirements.....	X
3.2 Data quality specifications.....	X
3.3 Aeronautical data and aeronautical information validation and verification.....	X
3.4 Data error detection.....	X
3.5 Use of automation.....	X
3.6 Quality management system.....	X
3.7 Human Factors considerations.....	X
<b>CHAPTER 4. Scope of Aeronautical Data and Aeronautical Information</b> .....	X
4.1 Scope of aeronautical data and aeronautical information.....	X
4.2 Metadata.....	X
<b>CHAPTER 5. Aeronautical Information Products and Services</b> .....	X
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5.3 Digital data sets.....	X
5.4 Distribution services.....	X
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<b>CHAPTER 6. Aeronautical Information Updates</b> .....	X
6.1 General specifications.....	X
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ANNEX VI SPECIFIC REQUIREMENTS FOR PROVIDERS OF AERONAUTICAL INFORMATION SERVICES (Part-AIS)

SUBPART A — ADDITIONAL ORGANISATION REQUIREMENTS FOR PROVIDERS OF AERONAUTICAL INFORMATION SERVICES (AIS.OR)

- SECTION 1 — GENERAL REQUIREMENTS
- SECTION 2 — DATA QUALITY MANAGEMENT
- SECTION 3 — AERONAUTICAL INFORMATION PRODUCTS
  - Chapter 1 — Aeronautical information in a standardised presentation
  - Chapter 2 — Digital data sets
- SECTION 4 — DISTRIBUTION AND PRE-FLIGHT INFORMATION SERVICES
- SECTION 5 — AERONAUTICAL INFORMATION PRODUCTS UPDATES
- SECTION 6 — PERSONNEL REQUIREMENTS





# ICAO PANS-AIM



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- SECTION 2 — DATA QUALITY MANAGEMENT
- SECTION 3 — AERONAUTICAL INFORMATION PRODUCTS
  - Chapter 1 — Aeronautical information in a standardised presentation
  - Chapter 2 — Digital data sets
- SECTION 4 — DISTRIBUTION AND PRE-FLIGHT INFORMATION SERVICES
- SECTION 5 — AERONAUTICAL INFORMATION PRODUCTS UPDATES
  - Appendix 1 — CONTENTS OF THE AERONAUTICAL INFORMATION PUBLICATION (AIP)
  - Appendix 2 — NOTAM FORMAT
  - Appendix 3 — SNOWTAM FORMAT (applicable until 4 November 2020)
  - Appendix 3a — SNOWTAM FORMAT (applicable as from 5 November 2020)
  - Appendix 4 — ASHTAM FORMAT





## 4. Considerations



# The ICAO and EU frameworks

## Some transposition principles

Contracting states

Standards

Recommendations

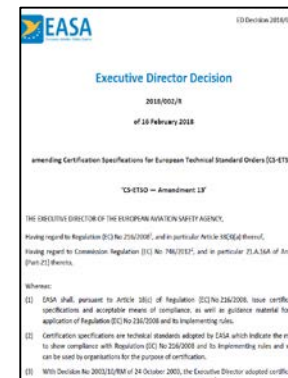
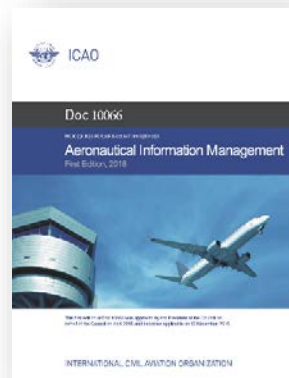
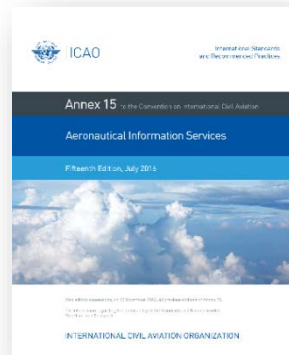
Notes

Annex 15

PANS-AIM

'authority'

'shall' & 'should'



AIS providers

Implementing rules

AMC/GM

GM

Organisation requirements

Technical requirements

Competent authority/AISp

Shall=IR, Should=AMC



# The EU specificities

## Some examples

Regulation 73/2010

Data origination  
Data quality requirements

Data catalogue

Amended to reflect EU references  
Extended to ADR Regulation

AIP content

Amended to consider other EU rules  
(SERA, RTW ops, FRA.)

Charts

Some ICAO Annex 4 charts are not  
produced in Europe

NOTAM

Exemption to comply with DQRs in  
urgent cases

All eTOD provisions compulsory

Some eTOD provisions optional



# Summary

- 1. EU draft rules based on ICAO A15 & PANS-AIM**
- 2. AIS-AIM rules not solely based on ICAO provisions**
- 3. Identification of the need for European AIS providers**
- 4. AIS-AIM rules to become applicable in 2020**





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