



AFI-CAD Regional Database Service Providers Meeting Dakar, Senegal, 6 – 7 October 2016

EAD Overview

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Topics

- EAD at a Glance
- EAD for AIS to AIM Transition
- EAD Certification by European Aviation Safety Agency (EASA)
- EAD Client Status
- EAD E – Learning
- EAD Support Tools

European AIS Database (EAD)

Overall Objectives

Provision of a service in order to:

- Make available a reference repository of quality-assured aeronautical information to its stakeholders:
 - AIS provider organisations, airspace users, military organisations, commercial organisations, EUROCONTROL, etc.
- Support AIS provider organisations in the maintenance and publication of validated aeronautical information in EAD through:
 - Consistent data checking , cross border data coherence verification, etc.
- Contribute to the enhancement of the data quality, consistency and completeness by performing data review processes
- Provide a centralised facility supporting the exchange of aeronautical information:
 - amongst AIS Provider organisations
 - With airspace users community and any other interested party

European AIS Database (EAD)

Principles

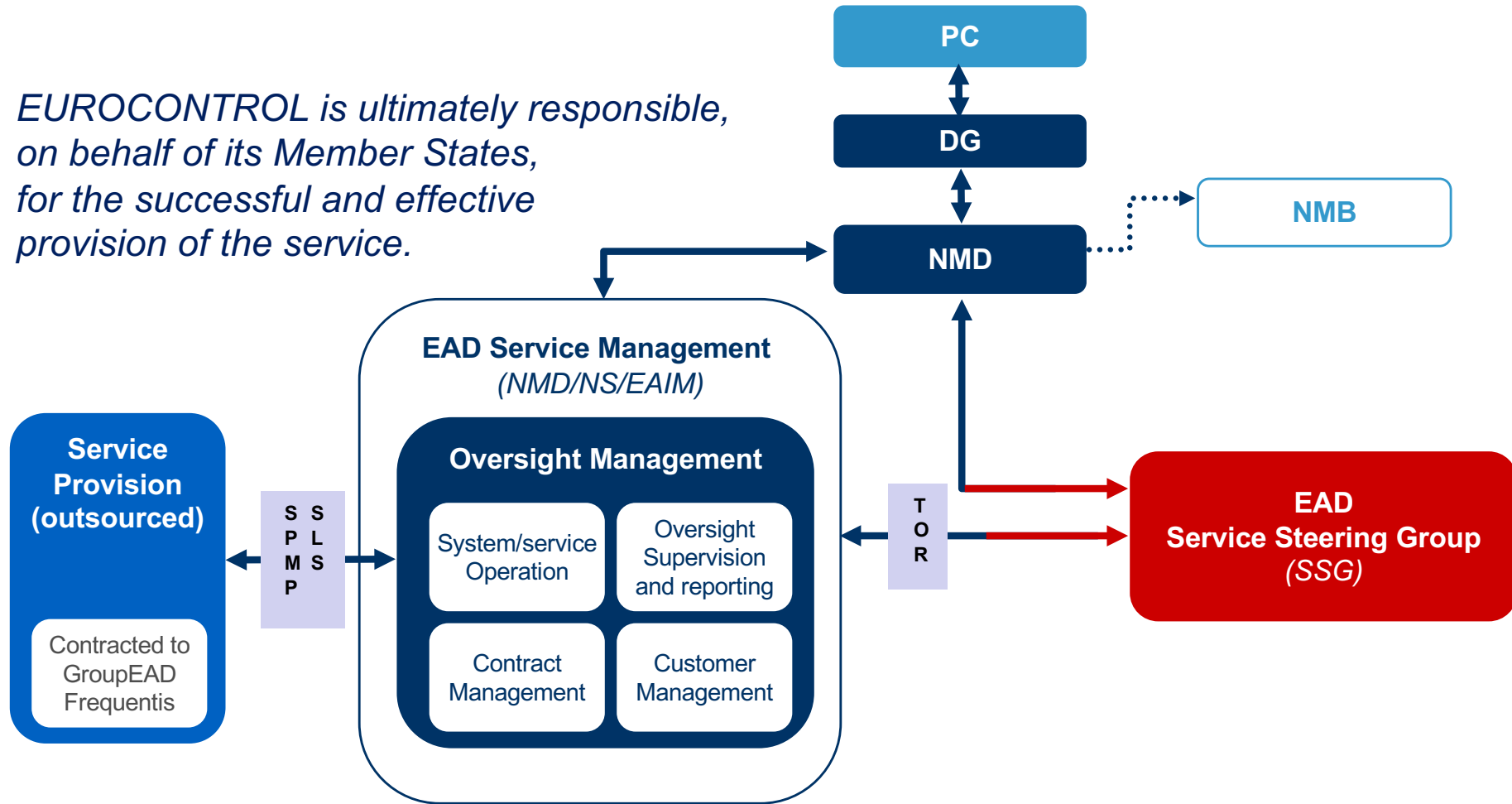
- **EUROCONTROL:**
 - Provides a system and associated services to AIS Provider organisations supporting the delivery of AIS Services as defined by ICAO Annex 15
 - Operates and manages the EAD on behalf of its Member States
 - Management of IT, data operations and training service provision contracted to industry

- **States/ANSP migrated to EAD:**
 - Are the only entities responsible to maintain their national aeronautical information directly in the EAD

EAD Management

Oversight by EUROCONTROL / NM

EUROCONTROL is ultimately responsible, on behalf of its Member States, for the successful and effective provision of the service.



SPMP: Service Provision Management Plan
 SLS: Service Level Specifications

TOR: Terms of reference

EAD Service

Sub-systems / Components available for AISP

The following sub-systems can be constituents of the AISP System:

- **WFM** : Workflow Management Tool
- **SDO** : Static Data Operations
- **AIP** : AIP production
- **CHP** : Chart production
- **PAMS** : AIP Library - Published AIP Management System
- **INO** : International NOTAM Operations

ARO Briefing Facility (Pre-Flight Information Bulletin)

Workflow Management Tool *Facilities*

- ✓ **Manual data entry restricted to data originator;**
- ✓ **All data transfer is via electronic means;**
- ✓ **Traceability established through entire data chain and data lifecycle;**
- ✓ **Data management processes supported by automation (workflow system);**
- ✓ **Generic Metadata store for all subsystems covering both data and non-data related Metadata.**

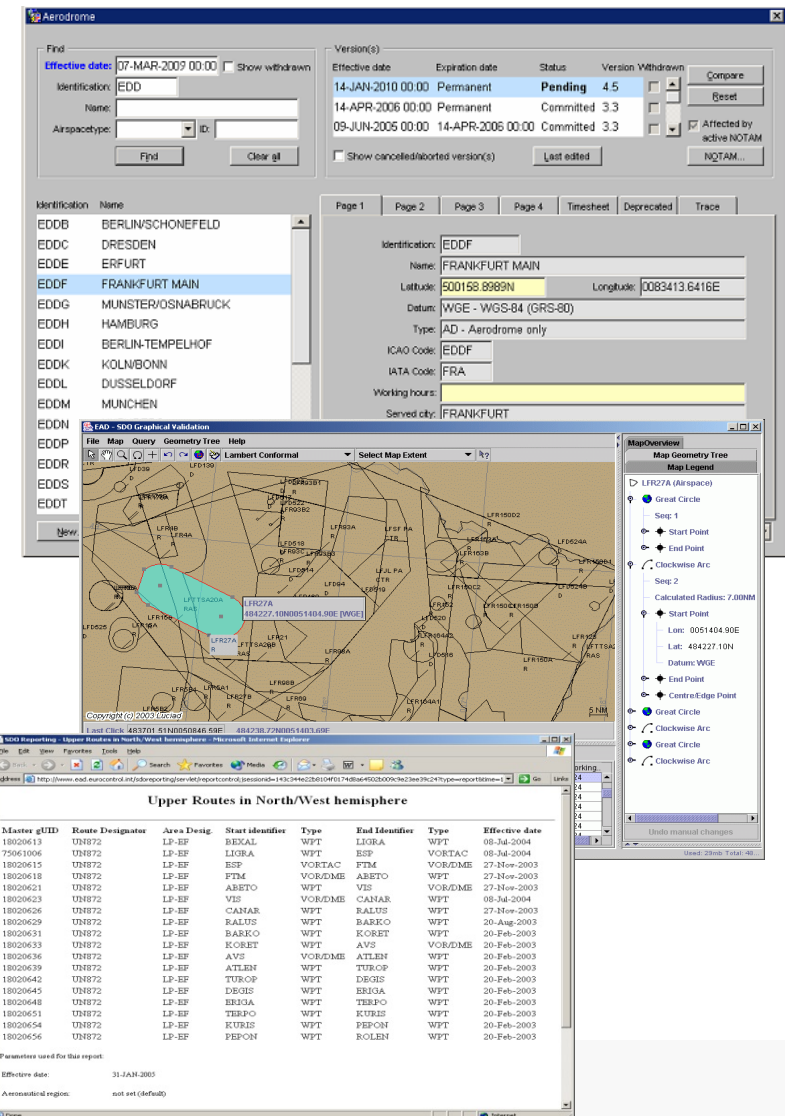
SDO – Static Data operations Facilities

Data Maintenance

- Static data update (new, update, withdraw)
 - According to SDO timeline
- Graphical validation facility of pending data
- EAD Workflow Management tool
 - Manage maintenance process including data originators
- Upload Facility (AIXM 4.5 & 5.1)
 - Direct upload of data received from originator
 - Dedicated software (e.g. Procedure Design Tool)

Data Reporting

- Data Download
 - AIXM 4.5, AIXM 5.1, ARINC format
- Data Reporting
 - Pe-defined report, user defined report,
 - Graphical report, etc.



The screenshot displays the Eurocontrol SDO software interface, which is used for managing static data. It is divided into several main sections:

- Find and Version(s) Panel:** Contains search fields for 'Effective date' (set to 07-MAR-2007 00:00) and 'Show withdrawn'. Below this is a table of versions for the selected item (EDDD):

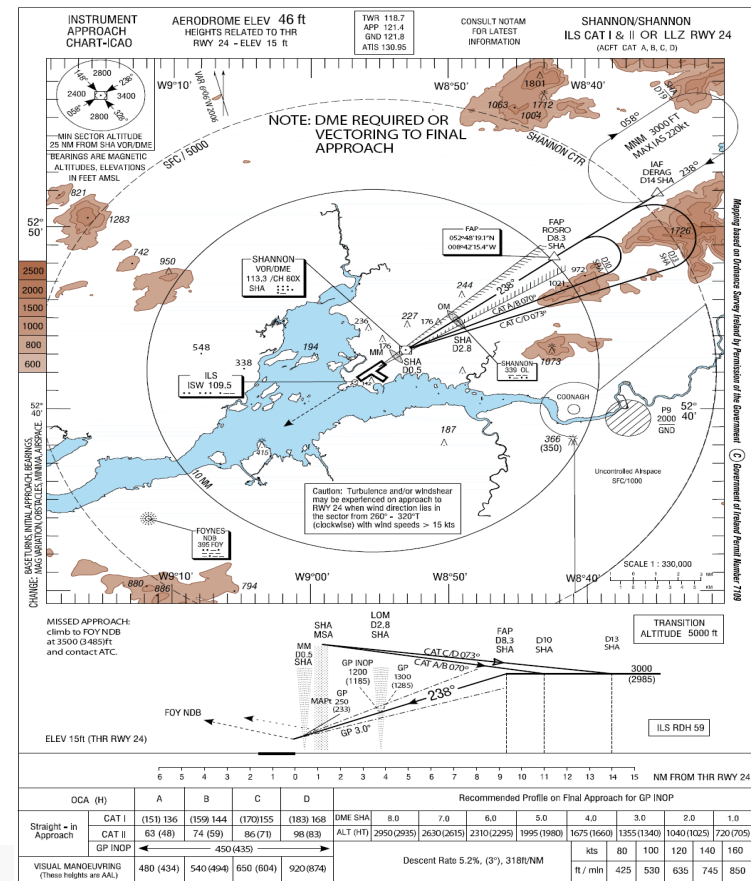
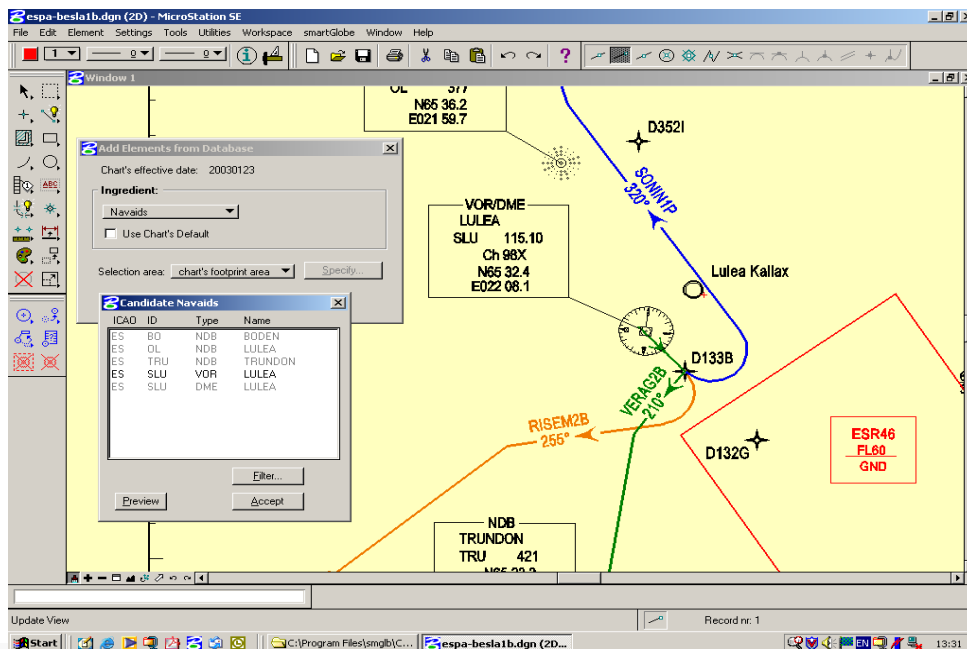
Effective date	Expiration date	Status	Version	Withdrawn
14-JAN-2010 00:00	Permanent	Pending	4.5	<input type="checkbox"/>
14-APR-2006 00:00	Permanent	Committed	3.3	<input type="checkbox"/>
09-JUN-2005 00:00	14-APR-2006 00:00	Committed	3.3	<input type="checkbox"/>
- Identification and Details Panel:** Shows fields for 'Identification' (EDDD), 'Name' (FRANKFURT MAIN), 'Latitude' (500158.8989N), 'Longitude' (0083413.6416E), 'Datum' (WGS-84), 'Type' (AD - Aerodrome only), 'ICAO Code' (EDDD), 'IATA Code' (FRA), and 'Served city' (FRANKFURT).
- Map Overview Panel:** Displays a graphical map of the Frankfurt area with various navigation aids and boundaries. A 'Map Legend' on the right lists symbols for 'Great Circle', 'Start Point', 'End Point', 'Clockwise Arc', and 'Center/Edge Point'.
- 300 Reporting Panel:** A table titled 'Upper Routes in North/West hemisphere' showing a list of routes with columns for Master GUID, Route Designator, Area Designator, Start Identifier, Type, End Identifier, and Effective date.

Master GUID	Route Designator	Area Desig.	Start identifier	Type	End Identifier	Type	Effective date
18020613	UN872	LP-EF	BEKAL	WPT	LIGRA	WPT	08-Jul-2004
75961096	UN872	LP-EF	LIGRA	WPT	ESP	VORTAC	08-Jul-2004
18020615	UN872	LP-EF	ESP	WPT	VOR/DME	WPT	27-Nov-2003
18020618	UN872	LP-EF	PTM	WPT	VOR/DME	WPT	27-Nov-2003
18020621	UN872	LP-EF	ABETO	WPT	VOR/DME	WPT	27-Nov-2003
18020623	UN872	LP-EF	VIE	WPT	VOR/DME	WPT	09-Jul-2004
18020626	UN872	LP-EF	CANAR	WPT	RALUS	WPT	27-Nov-2003
18020629	UN872	LP-EF	RALUS	WPT	BARCO	WPT	20-Aug-2003
18020631	UN872	LP-EF	BARCO	WPT	ROSET	WPT	20-Feb-2003
18020633	UN872	LP-EF	ROSET	WPT	AVS	VOR/DME	20-Feb-2003
18020636	UN872	LP-EF	AVS	WPT	VOR/DME	WPT	20-Feb-2003
18020639	UN872	LP-EF	ATLEN	WPT	TURCP	WPT	20-Feb-2003
18020642	UN872	LP-EF	TURCP	WPT	DEGIS	WPT	20-Feb-2003
18020645	UN872	LP-EF	DEGIS	WPT	ERIGA	WPT	20-Feb-2003
18020648	UN872	LP-EF	ERIGA	WPT	TEPPO	WPT	20-Feb-2003
18020651	UN872	LP-EF	TEPPO	WPT	KURIS	WPT	20-Feb-2003
18020654	UN872	LP-EF	KURIS	WPT	PEPCN	WPT	20-Feb-2003
18020656	UN872	LP-EF	PEPCN	WPT	ROLEN	WPT	20-Feb-2003

CHP– Chart Production Facilities

Production of Charts for Aeronautical Publications

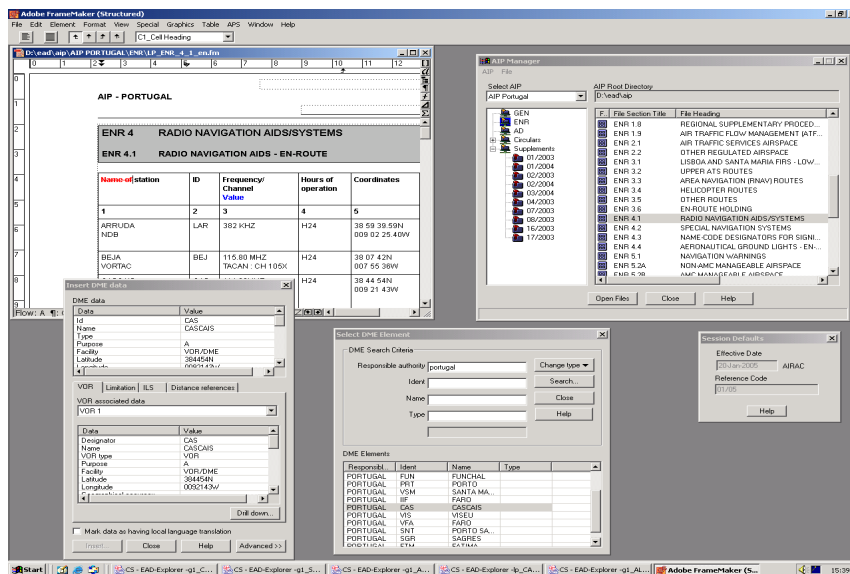
- All charts part of ICAO Annex 4
 - Using static data stored and validated in EAD SDO
 - Automatic generation of amended charts



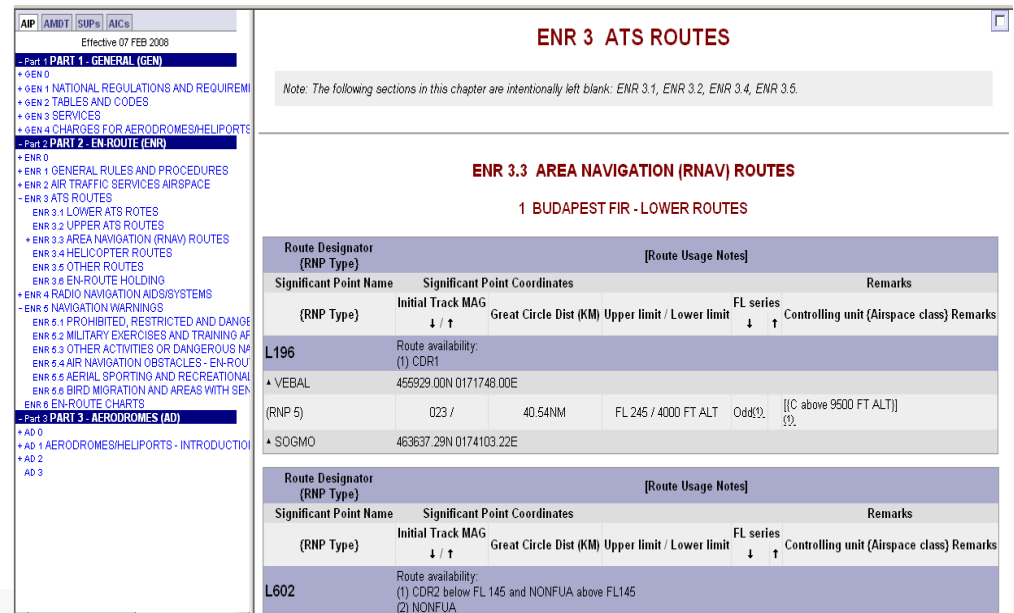
AIP – AIP Production Facilities

Production of Aeronautical Publications

- AIP, Amendments, Supplements, Circulars (ICAO Annex 15)
 - Using static data stored and validated in EAD SDO
 - Automatic generation of amendments



Name of station	ID	Frequency/Channel Value	Hours of operation	Coordinates
ARRUDA NDB	LAR	382 KHZ	H24	39 59 39 59N 009 02 25 40W
BELA VORTAC	BEJ	115.80 MHZ TACAN: CH 10SK	H24	39 07 42N 007 55 38W
			H24	38 44 54N 009 31 43W



ENR 3 ATS ROUTES
Effective 07 FEB 2008

ENR 3.3 AREA NAVIGATION (RNAV) ROUTES
1 BUDAPEST FIR - LOWER ROUTES

Route Designator (RNP Type)	Significant Point Name (RNP Type)	Significant Point Coordinates	Initial Track MAG ↓ / ↑	Great Circle Dist (KM)	Upper limit / Lower limit	FL series ↓ / ↑	Controlling unit (Airspace class)	Remarks
L196								Route availability: (1) CDR1
▲ VEBAL (RNP 5)			023 /	40.54NM	FL245 / 4000 FT ALT	Odd(5)		{(C above 9500 FT ALT)}
▲ SOGMO								463637.29N 0174103.22E

Route Designator (RNP Type)	Significant Point Name (RNP Type)	Significant Point Coordinates	Initial Track MAG ↓ / ↑	Great Circle Dist (KM)	Upper limit / Lower limit	FL series ↓ / ↑	Controlling unit (Airspace class)	Remarks
L602								Route availability: (1) CDR2 below FL 145 and NONFUA above FL145 (2) NONFUA

PAMS – AIP Library Facilities

Maintenance

- Publications of aeronautical documents and charts

Reporting

- Search, view, download, print aeronautical documents and charts

PAMS - Check in Meta Data ?

Search Create Report ED_GEN_0_1_en.pdf

Meta Information:

Authority: Germany (ED) Type: C Lang: EN

Responsible: dp_edc

Effective Date: 02-Aug-2006

Heading: GEN 0.1 Preface

Remark:

Pre-Publication: Publication Date: 02-Aug-2006

AIP Type: AIP

Part: GEN ENR AD

Section: 0.1

File Management:

Look in: pams

- ED_Amdt_A_2006_03_en.pdf
- ED_Amdt_A_2006_07_en.pdf
- ED_ENR_0_1_en.pdf
- ED_ENR_1_1_en.pdf
- ED_GEN_0_1_en.pdf
- ED_GEN_0_2_en.pdf
- ED_GEN_1_1_en.pdf
- ED_SUP_2006_01_en.pdf

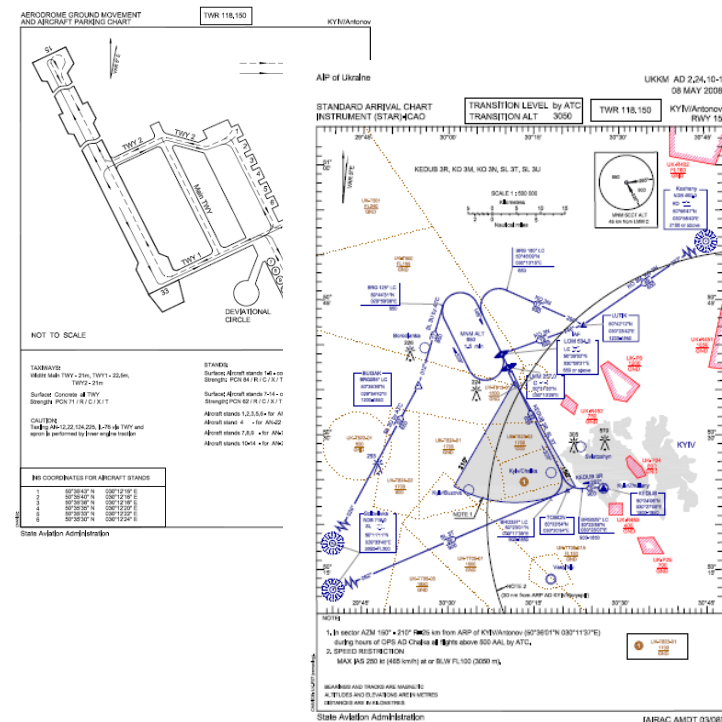
File name: ED_GEN_0_1_en.pdf

Files of type: PDF Files (*.pdf)

Selected file: D:\pams\ED_GEN_0_1_en.pdf

Buttons: Add, Remove, Ok, Cancel

Status: Finished to checkout Document



INO – International NOTAM Operations Facilities



Data Maintenance

- NOTAM, SNOWTAM, Checklist creation
 - Using static data stored and validated in EAD SDO

Data Reporting

- Pre-Flight Information (PIB) generation
- ARO Briefing Facility based on FPL

EAD
AERONAUTICAL INFORMATION SERVICES

Pre-Flight Information Bulletin: **AERODROME** VALIDITY (UTC): 20 FEB 2013 14:53 - 21 FEB 2013 14:50

Id: EVRA1302200001

Service Type: FULL

Date: 20 FEB 2013 **Time:** 14:51 UTC **Height Limits:** Lower: 000 Upper: 999

Flight Rules: IFR/VFR

Contents: Aerodromes

Briefing Type: International, Military

Aerodromes: EBBR

Legend:
 + NOTAM not older than 250 days
 * Different from original
 - Beginning of the message

EBBR - BRUSSELS/BRUSSELS-NATIONAL

+ IAP VOR RWY 07L OCA 660FT DUE TO CRANE
 FROM: 31 JUL 2012 18:00 TO: 31 JUL 2013 17:59 A1531/12

+ RWY 25R DOWNGRADED TO CAT 1, PPR 30 MIN
 FROM: 18 FEB 2013 09:00 TO: 22 FEB 2013 18:00 A0290/13

SCHEDULE: DAILY 0630-1800

File Edit View Data Tools Help Window

INFO Menu

New NOTAM

NOF Ser No Year Type Ser No Year Ser Type

EUEC N

FIR NOTAM Code Traffic Purp. Scope Lower Upper Coordinates Radius

Q) Q 000 999

A) B) C) EST

D) EST

E) EST

F) Q) EST

Restore Geocel

PERM EST

Add Remark

Convert

Errors/Warnings Distribution Addresses Ref. to RIC Proposal

Field: All:

Queue Monitor

AFTN

FreeText 0

Stored 0

NOTAM

EST 51

DRAFT 0

PERM 477

Proposal

Unprocessed 41

icao location of the NOTAM Office.

Record: 1/1 ... List of Valu... <OSC>

Client name: Brussels Airlines REG DOSFY

Flight Plan Supplementary

Addresses

Filing Time: 201511

Originator: EBBR2PZX

Addresses FF: EDCN2HFF EDCB2NFF

Re-Addressing (AD):

Show FIRs

General information

(7) Aircraft ID: BEL215 (8) Flight Rules: I=IFR Type of Flight: S=scheduled

(9) Number: Type of Aircraft: A332

(10) Equipment: DE3FGHJL3M1ORWXY /M

Route information

(13) Departure: EBBR EOB: 1225 CIV UN972 KOVIN OY317 RESMI UN957 DIR VASOM/NO461F370 UN957 ABODA UR722 CSI ECRBD/NO465F380 UR978 AR UR620 POVIN

Route: (15) Cruising Speed: N 0455 Level: F 0350

(16) Destination: GBYD Total EET: 0538 Alternate: GOOY 2nd Alternate:

Other information

(18) Other information: Notes (not transmitted):
 FBM/A1B1D1101S1S2 D0E/130210 REG/DOOSFY EET/LFFP0010 LK00114 00000220
 G0000323 SEL/DBSC CODE/44CCD9 GFR/BRELINE ACAS II EQUIPPED ORGN/ESRSASBU
 RSK/AGCS EQUIPPED ID SN215 RTE 002 SEQ10004

Show Ed

05 Q1023 NOSIG=

110

END OF PIB

le. All Trigger NOTAM are valid only for two States, please consult also the FAMS

FPL Data

ARCD: REG: Originator: ADEP: Non-FPS

Active Flights ARO managed Internet FPLs

Time Range

From: 20 FEB 2013 00:00 UTC To: 20 FEB 2013 00:00 UTC

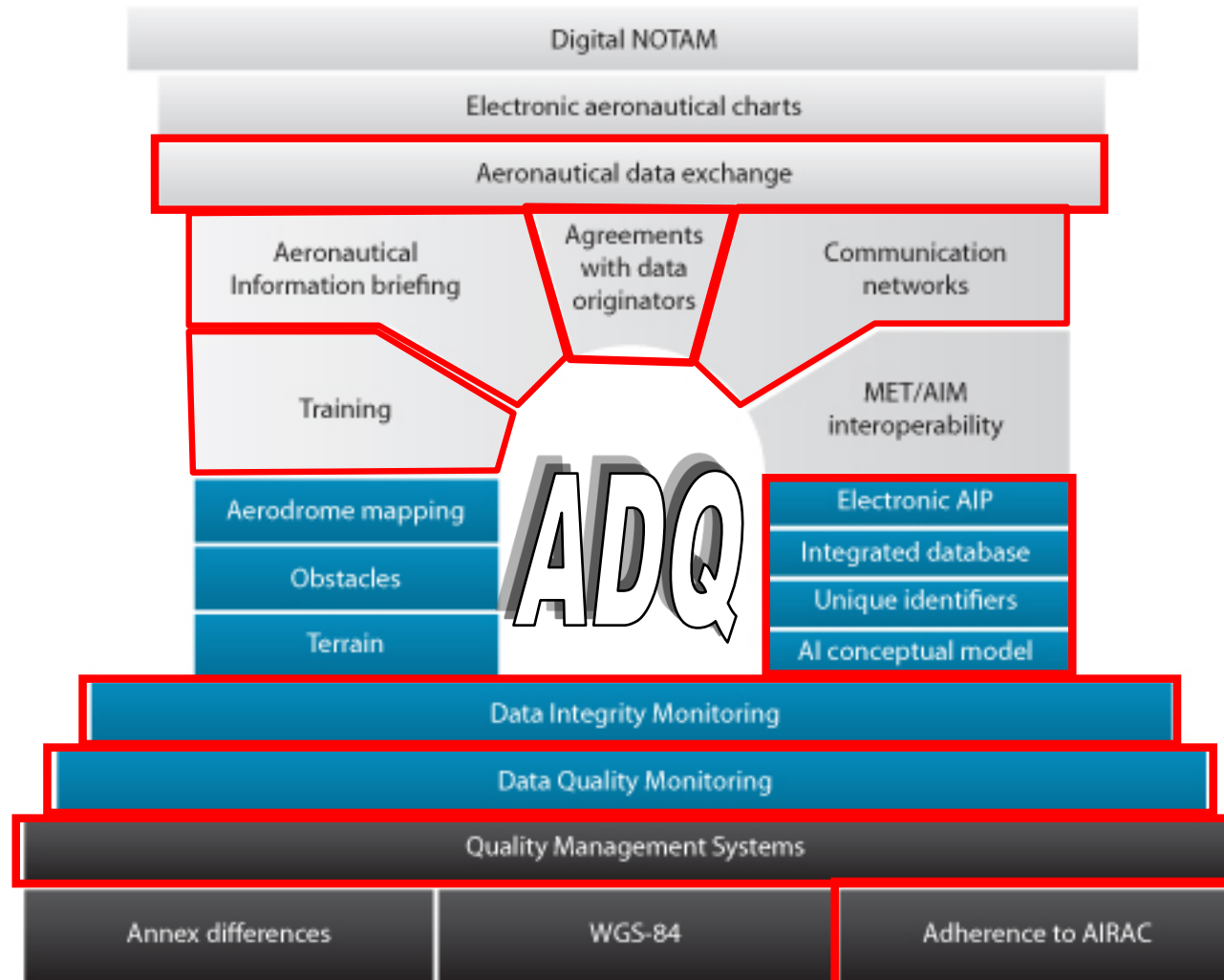
Relative Timeframe: hours

FPL List

I	V	D	S	ICAO	FR	STS	Type	ADOP	COF	EOBT	ATOT	CTOT	Shi RCV	Shi SDO	ETA	ATA	Active	FB
Q	V			MALSA	I		B772	EBBR	130220	1130					KIAD	1918		
Q	V			YAR	I		A330	EBBR	130220	1135					DFVA	1945		
Q	B			APL261	I		A319	EBBR	130220	1145					LJAF	1905		
Q	V			BAW306	I		A321	EBBR	130220	1145			1200		BGLC	1918		
Q	V			PODUL	I		C132	EBB1	130220	1145					BKCC	1925		
Q	V			BRU096	I		B738	EBB1	130220	1145					EBB1	1911		
Q	V			EU467R	I		A319	EBBR	130220	1150					EDDM	1943		
Q	V			DOH8	I		C130	EBB1	130220	1150	1155				EBB1	1911		
Q	V			DOH8T	V		C130	EBB1	130220	1150					EBB1	1905		
Q	B			DOHAT	V	STATE	C132	EBB1	130220	1200	1200				EBB1	1905		
Q	V			DOHAT	V		C132	EBB1	130220	1200	1200				EBB1	1900	1935	
Q	V			TRN18	I		B738	EBBR	130220	1200					LYAC	1902		
Q	V			MC744	I		P30	BRAW	130220	1205					BGLC	1913		
Q	V			EC504	I		E550	EBBR	130220	1205					EBB1	1945		
Q	B			PAR2	I		BFAL	LYBE	130220	1215					LYBE	1935		
Q	B			BA4403	I		A320	EBBR	130220	1225					LYAC	1902		
Q	V			REL215	I		A321	EBBR	130220	1225					GBVD	1901		
Q	V			TRW400	I		A330	EBBR	130220	1225					EBB1	1946		
Q	V			SA1592	I		CRJ9	EBBR	130220	1225					BKCH	1944		
Q	V			SP507	I		B737	EBBR	130220	1225					LYAC	1946		
Q	V			HAE178	I		C56A	EBBR	130220	1230					BGLC	1907		
Q	V			DOH8A	I		C130	EBB1	130220	1230	1245				BKCC	1905		
Q	V			SV4629	I		B742	EBB5	130220	1230					EBB1	1928		

EAD in supporting States for AIM transition

AIS to AIM Roadmap



AIS –AIM Transition

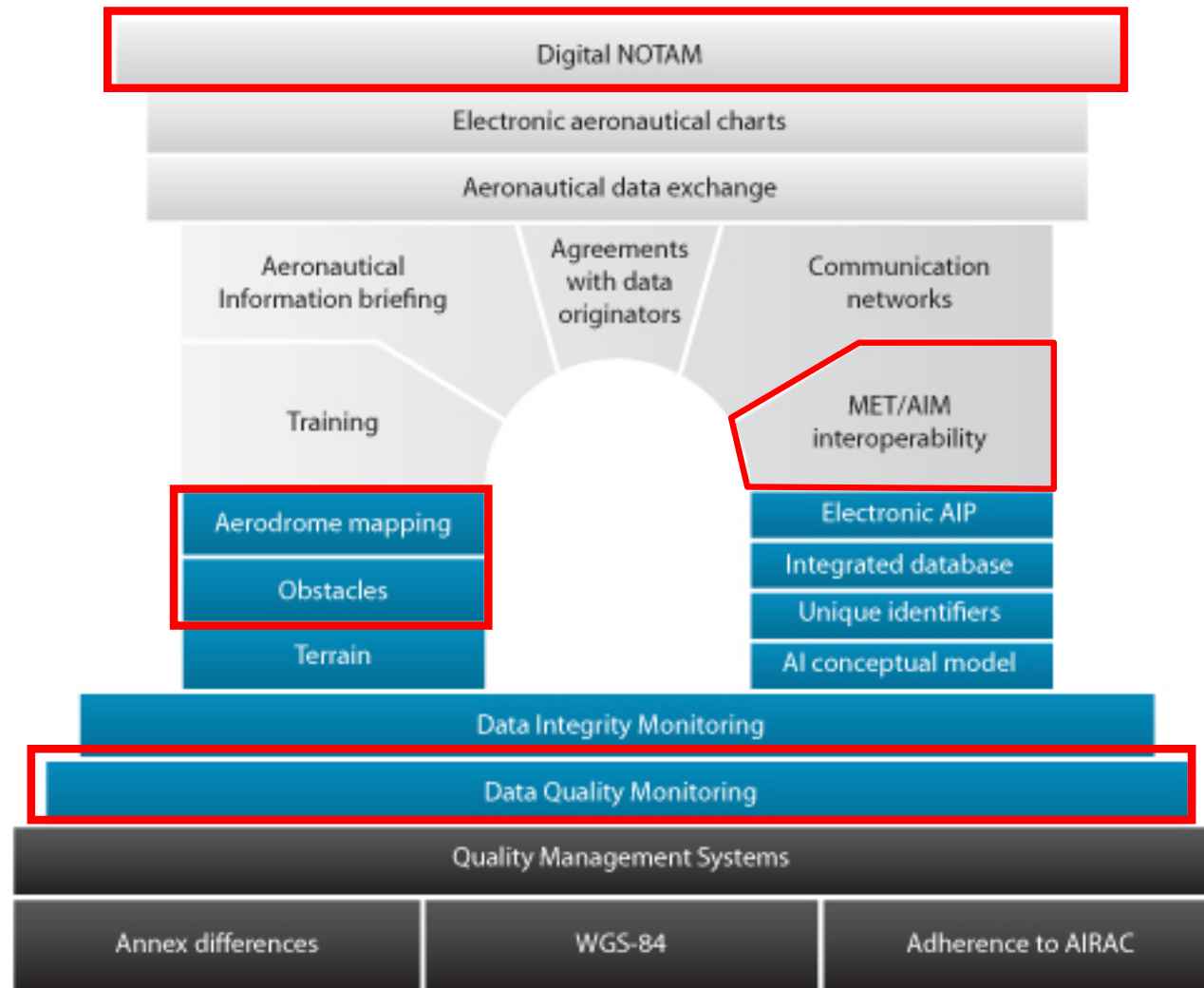


- **Data integrity monitoring:** EAD ensures the integrity of data from the point of entry in the EAD system until its extraction. Thus reducing the States effort in monitoring the integrity for at least the sectors within the database.
- **Data quality monitoring:** EAD business rules for data entry serves as a barrier for checking and monitoring on the quality of data (at least for resolution and completeness). Additional tools e.g. SIGMA and SDO Data completeness contribute to the improvement of data quality and thus helping the States to monitor the quality of their data.
- **AIRAC Adherence monitoring:** Indirectly, EAD data provision timeline and schedule, basically makes it impossible not to adhere to the AIRAC. Since 2003, we have not heard that the States part of EAD have published late an AIRAC Amendment.
- **Integrated aeronautical information Database :** All EAD States can put a tick for this step since the EAD provides them with such database.

- **Unique identifiers:** Although not yet totally clear at ICAO level this requirement, being part of EAD will ensure that your data will always have an unique identifier.
- **AI Conceptual Model:** Another tick from EAD: EAD is based on AICM
- **Electronic AIP:** EAD provides its States the facility to produce electronic AIP
- **Aeronautical Data Exchange:** AIXM was specifically build for EAD to exchange aeronautical data. Another step achieved by the States through the EAD
- **Communication networks:** EAD is using PENS for communication, thus States of the EAD have this step completed
- **Aeronautical Information Briefing :** EAD is supporting States willing to provide Briefing through its briefing box/facilities
- **Training:** GEAD provides trainings on INO, PAMS, Briefing, SDO but also recent ADQ awareness training is offered as required by the ADQ IR.
- **QMS:** Contract with EAD requires an established QMS by the data provider.

EAD in further developments for supporting States in AIM transition

AIS to AIM Roadmap



- **Data quality monitoring:** completeness and consistency improved with the Data Harmonisation Objectives project..
- **Obstacles:** EAD will provide this possibility with AIXM 5.1
- **AMDB:** EAD considers the implementation for R11
- **Digital NOTAM:** EAD will provide the tool to all migrated State to publish Digital NOTAMs.
- **MET data provision:** MET service under the state responsibility and legal issues have to be solved by states.

Conclusions

- EAD is a service created by the ECAC States in order to support them in Transition from AIS to AIM beside other objectives
- With EAD, States cover ~ 12 of the transition objectives (steps)
- Further EAD developments are required in order to assist States with the required steps (e.g. obstacle, dNOTAM)
- Close contact and coordination with the AIM/SWIM Team to be maintained on the usage and development of EAD for achieving AIM.

EAD Certification





Background

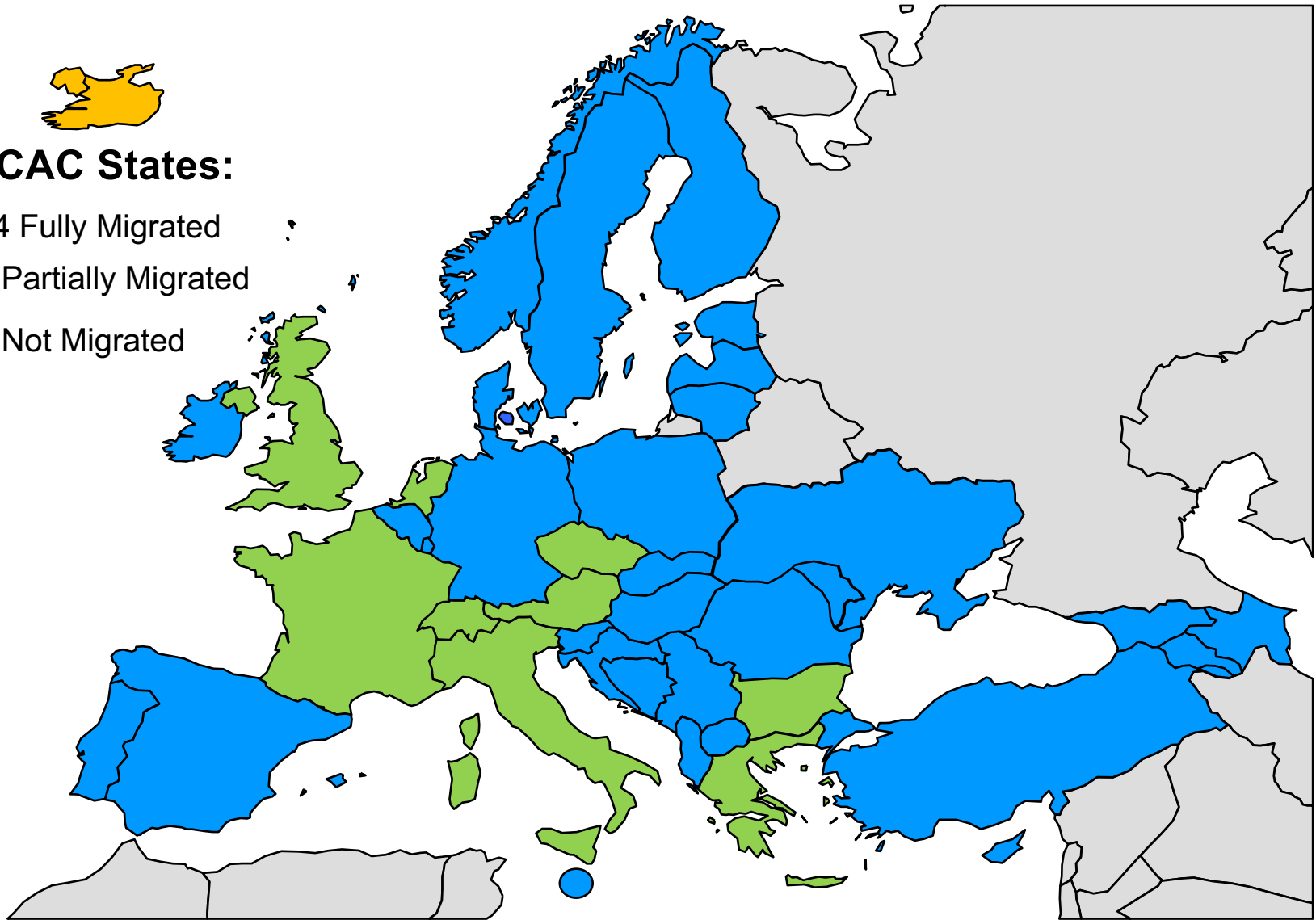
- Why?
 - ANSPs using the EAD services and their National Supervisory Authorities (NSA) are relying more and more on EAD to demonstrate their compliance with the relevant Single European Sky (SES) Regulations (e.g. IR 73/2010 on Aeronautical Data Quality)
 - European Commission and European Aviation Safety Agency (EASA) stated that the EAD services are required to be certified and overseen by EASA, in the same manner as the NSAs certify and oversee national AISP
- Official application for EAD Certification provided to EASA and accepted on June 16th 2015.
 - Subject: ATM/ANS Service Provider Organisation
 - Compliance according to:
 - ICAO: Annex 15, Annex 4, Annex 3
 - Regulation EU 1035, 1034, 552, 73
- EAD expected to be certified by EASA October 2016

Data Providers - Current Situation

Migration (ECAC)



-  **44 ECAC States:**
-  34 Fully Migrated
 -  9 Partially Migrated
 -  1 Not Migrated



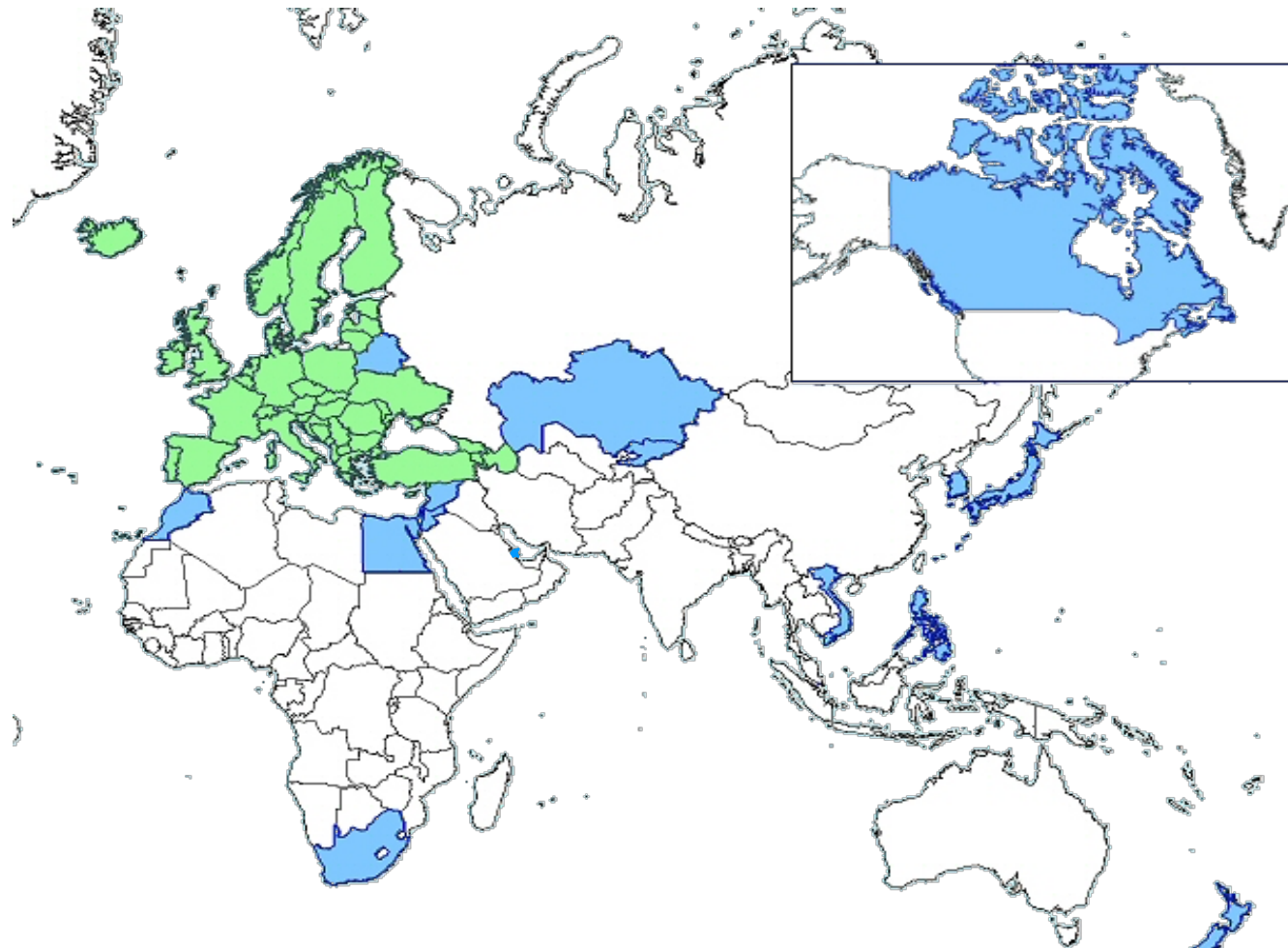
Migration Status (ECAC)

ECAC - Fully migrated (34)	
Albania (NATA)	Latvia (LGS)
Armenia (Armats)	Lithuania (Oro Navigatia)
Azerbaijan (AZANS)	Malta (ATS)
Belgium (Belgocontrol) incl Luxemb	Moldova (MOLDATSA)
Bosnia Herzegovina (BIH)	Norway (AVINOR)
Croatia (CroControl)	Poland (PANSA)
Cyprus (DCA)	Portugal (NAV-EP)
Denmark	Serbia (SMATSA) + Montenegro
Estonia (EANS)	Romania (CAA)
Finland (Finavia)	Slovak Republic (LPS)
FYROM (M-NAV)	Slovenia (Slovenia Control Ltd.)
Georgia (Sakaeronavigatia)	Spain (ENAIRES)
Germany (DFS)	Sweden (LFV)
Hungary (Hungarocontrol)	Turkey (DHMI Genel)
Ireland (IAA)	Ukraine (UkSATSE)

ECAC - Partially (10) and not migrated (1)				
States / CAA - ANSP	Status	INO	SDO	PAMS
Austria (Austrocontrol)	Partially	OK	OK*	OK
Bulgaria (BULATSA)	Partially		OK	OK
Czech Republic (ANS)	Partially		OK*	
France (SIA) + Monaco	Partially		OK*	OK
Greece (Hellenic CAA)	Partially	2016	2016	2016
Italy (ENAV) + San Marino	Partially		OK*	OK
Netherlands (LVNL)	Partially	OK	OK*	OK
Switzerland (Skyguide)	Partially		OK*	
UK (NATS)	Partially	OK		OK
Iceland	--> Not committed			

Data Providers - Current Situation

Migration (Out of ECAC)



20 States:

- 8 operational as Data Provider
- 3 operational as Data User
- 9 in the migration process

<p>Morocco South Africa Egypt</p>	<p>Belarus</p>	<p>Israel Jordan Kuwait Qatar Syria</p>	<p>Kazakhstan Kyrgyzstan Uzbekistan Tajikistan</p>	<p>Taiwan Philippines Singapore New Zealand</p>	<p>South Korea Japan</p>	<p>Canada Brazil</p>
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Data Users - Current Situation



Aug 2016	
Airline	61
Commercial	79
ANSP/Airport	10
Other Military, Developers, Educational, Research, ECTRL	17
Under Discussion	20
Total	187

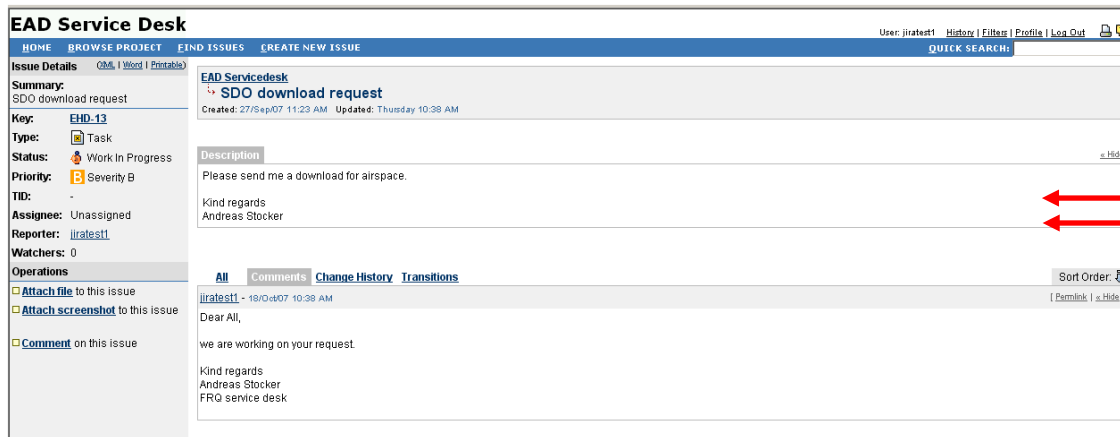
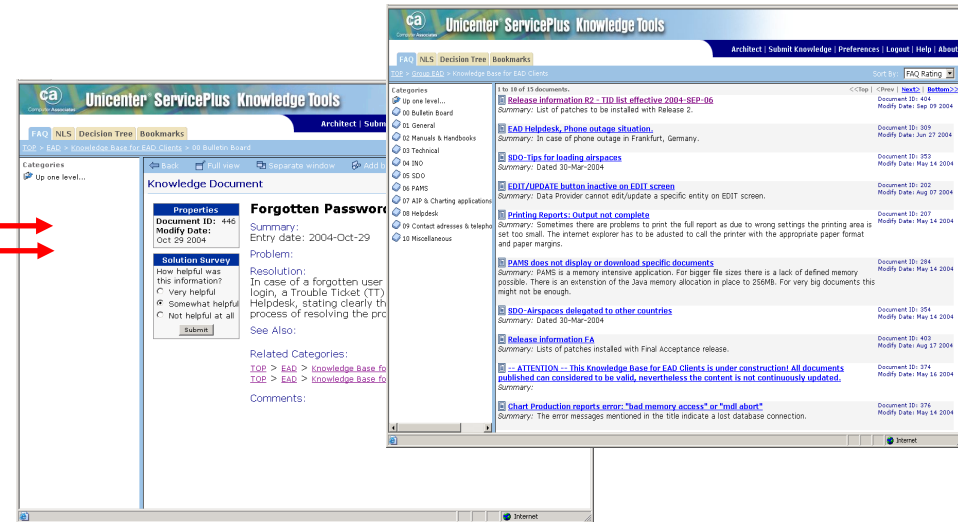
Data Users Presented by States

1.	Australia	2	22.	Luxembourg	3
2.	Austria	5	23.	Malaysia	1
3.	Azerbaijan	3	24.	Malta	3
4.	Bahrain	1	25.	Monaco	2
5.	Belgium	6	26.	Montenegro	1
6.	Canada	5	27.	Morocco	1
7.	Croatia	1	28.	Netherlands	6
8.	Czech Republic	1	29.	Poland	3
9.	Denmark	4	30.	Portugal	2
10.	Fiji	1	31.	Qatar	2
11.	Finland	2	32.	Russia	2
12.	France	11	33.	Slovak Republic	1
13.	Germany	16	34.	Spain	3
14.	Hungary	1	35.	Sweden	3
15.	Iceland	1	36.	Switzerland	11
16.	India	2	37.	Turkey	8
17.	Israel	1	38.	UAE	2
18.	Italy	4	39.	UK	22
19.	Kosovo	1	40.	USA	14
20.	Korea	1	41.	Vietnam	1
21.	Lebanon	1			

Support Tools

Knowledge base – Service Desk

- Knowledge base
 - Available from service desk application
 - To be used prior creation of trouble tickets



- Service Desk
 - 24h operational and technical service desk
 - Dedicated application
 - create trouble tickets related to problem or service requests.

Support Tools

To learn more about EAD DU -> E-learning

- EAD Operational (EAD_OPS)
 - General Overview (Helpdesk, Webmail, Add User, Legal Recording..)
 - EADPro Data User: SDO, GT, INO, PAMS

- Can be accessed via;
 - IANS web site (<http://trainingzone.eurocontrol.int>)
 - CFMU web site (<http://www.cfm.eurocontrol.int>)
 - EAD web site (<http://www.eurocontrol.int/ead>)

- Free of charge, only registration required

Support Tools

EAD Current Data status and source

www.ead.eurocontrol.int

- *Data & maintenance*
- *Status of content*
- *Performance Statistics*
- *Direct access*



Support Tools

EAD General Website

www.eurocontrol.int/ead

- *General overview*
- *News*
- *Events*
- *Documentation*



The screenshot shows the EUROCONTROL website homepage for the European AIS Database (EAD). The browser window title is "EUROCONTROL - The European AIS Database (EAD): Tomorrow's AIS Provision Today. - Windows Internet Explorer". The address bar shows the URL "http://www.eurocontrol.int/ead/public/subsite_homepage/homepage.html". The website header includes the EUROCONTROL logo and the tagline "The European Organisation for the Safety of Air Navigation". Navigation links include "Home", "Contact us", "Publications", "Project finder", "FAQ", "EXTRANET LOGIN", "QUICKLINKS", and a search bar. The main content area features a blue banner with a checkmark and the text "EAD VALIDATED DATA FOR SAFER FLYING". Below the banner, the heading reads "The European AIS Database (EAD): Tomorrow's AIS Provision Today." The main text welcomes users to the portal and describes it as a centralized reference database of quality-assured aeronautical information. A "News" section highlights a post from 20 Apr 2010: "EAD User Day 2010 postponed", explaining that the event is being postponed to the beginning of 2011 due to major improvements being implemented. A sidebar on the left lists various services and resources, including "EAD Home", "About EAD", "INO - NOTAM", "SDO - Static Data", "PAMS - AIP Management", "Access EAD", "EAD News", "EAD Events", "e-Learning & Training", "Library", "Glossary", "Acronyms", "Useful Websites", and "Frequently Asked Questions". The right sidebar contains sections for "EAD Event Calendar", "EAD User Solutions", and "EAD Newsletter Spring 2009". The browser's status bar at the bottom indicates "Trusted sites" and "100%" zoom.

From Aeronautical Data to Quality Assured Aeronautical Information

Questions?

www.ead.eurocontrol.int

Data & maintenance

- *Status of content*
- *Performance Statistics*

European AIS Database



2003-2013: 10 YEARS OF EAD

CENTRALISED. SIMPLIFIED. VERIFIED.

