eAIP specification 2.0 – overview

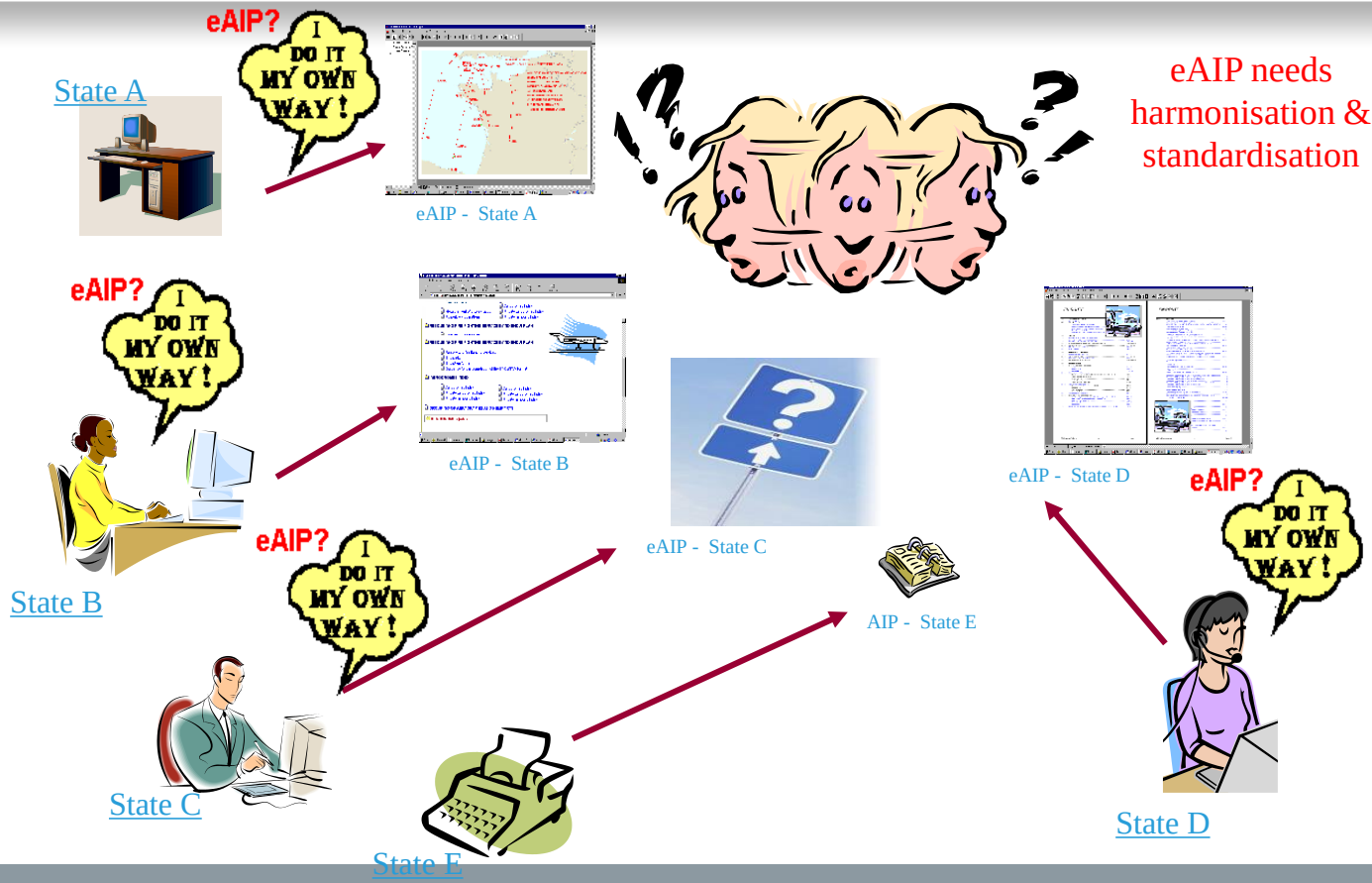
(Dakar, Senegal, 3-5 October 2016)

George BALDEH

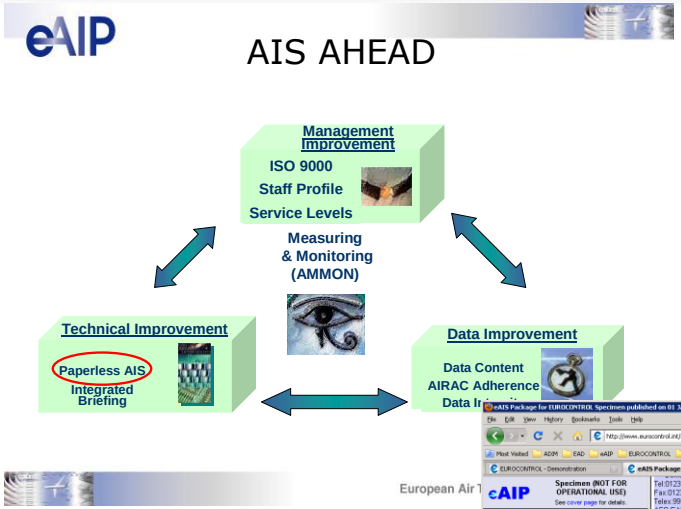
RO/AIM

Agenda Items 5a/b

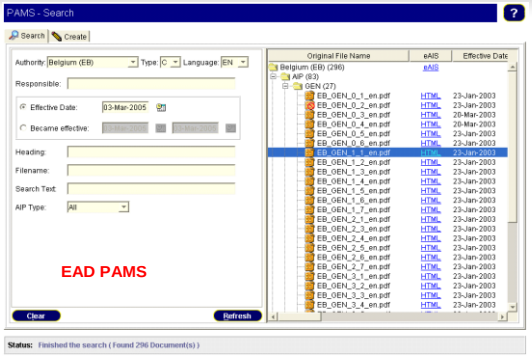
Why


eAIP?
I DO IT MY OWN WAY !
State A
eAIP - State A
eAIP needs harmonisation & standardisation
eAIP?
I DO IT MY OWN WAY !
eAIP - State B
State B
eAIP - State C
eAIP - State D
eAIP?
I DO IT MY OWN WAY !
eAIP?
I DO IT MY OWN WAY !
AIP - State E
State C
State E
State D

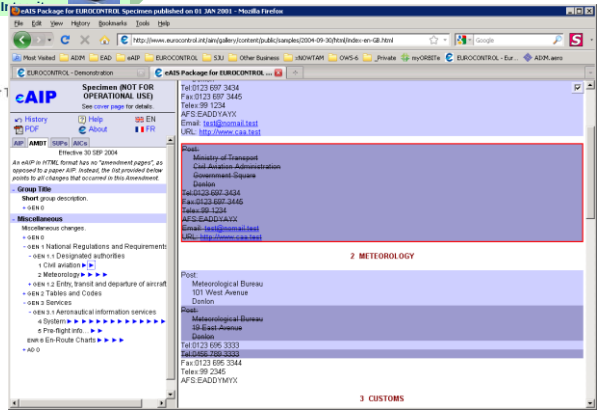
eAIP development history



2004 – version 1.0.3



2005 – version 1.0.4

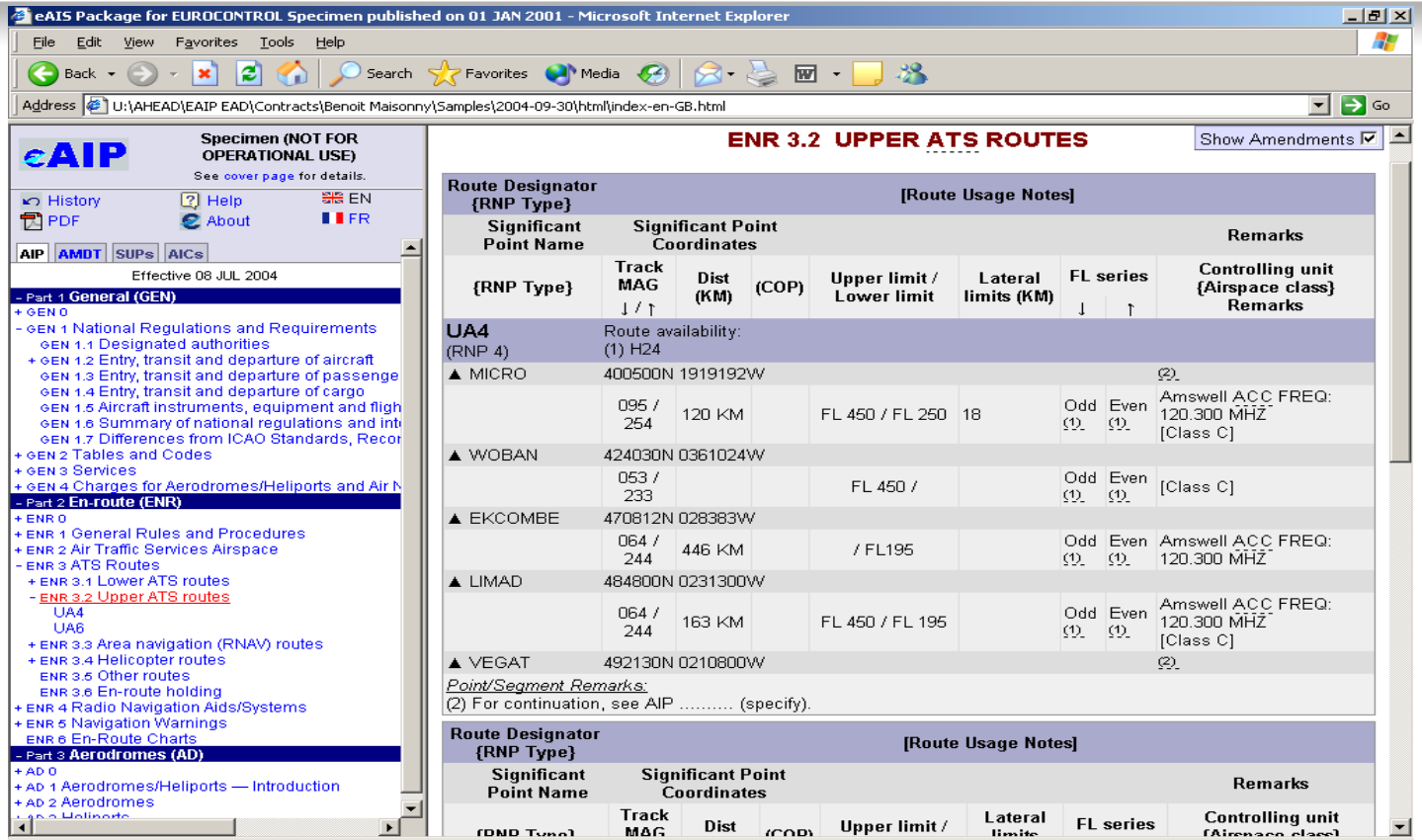


2007 – version 1.1.0

eAIP Specification

- Publication: the eAIP is designed to allow optimal consultation on screen
- Not a software tool
  - however, proof of concept “MakeAIP” software package is provided
  - industry to provide advanced editing & supporting software
- Fully compatible with the ICAO SARPS
  - complete solution, encompassing all elements of the IAIP (Integrated Aeronautical Information Package)

On screen


eAIS Package for EUROCONTROL Specimen published on 01 JAN 2001 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
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Address U:\AHEAD\EAIP EAD\Contracts\Benoit Maisonny\Samples\2004-09-30\html\index-en-GB.html
Go
eAIP
Specimen (NOT FOR OPERATIONAL USE)
See cover page for details.
History Help EN
PDF About FR
AIP AMDT SUPs AICs
Effective 08 JUL 2004
- Part 1 General (GEN)
+ GEN 0
- GEN 1 National Regulations and Requirements
GEN 1.1 Designated authorities
+ GEN 1.2 Entry, transit and departure of aircraft
GEN 1.3 Entry, transit and departure of passenge
GEN 1.4 Entry, transit and departure of cargo
GEN 1.5 Aircraft instruments, equipment and fligh
GEN 1.6 Summary of national regulations and int
GEN 1.7 Differences from ICAO Standards, Recor
+ GEN 2 Tables and Codes
+ GEN 3 Services
+ GEN 4 Charges for Aerodromes/Heliports and Air N
- 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 Lower ATS routes
- ENR 3.2 Upper ATS routes
UA4
UA6
+ ENR 3.3 Area navigation (RNAV) routes
+ ENR 3.4 Helicopter routes
ENR 3.5 Other routes
ENR 3.6 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
ENR 3.2 UPPER ATS ROUTES
Show Amendments
Route Designator {RNP Type}
[Route Usage Notes]
Significant Point Name
Significant Point Coordinates
Remarks
{RNP Type}
Track MAG ↓ / ↑
Dist (KM)
(COP)
Upper limit / Lower limit
Lateral limits (KM)
FL series ↓ ↑
Controlling unit {Airspace class} Remarks
UA4
(RNP 4)
Route availability:
(1) H24
▲ MICRO
400500N 1919192W
(2)
095 / 254
120 KM
FL 450 / FL 250
18
Odd (1)
Even (1)
Amswell ACC FREQ: 120.300 MHZ [Class C]
▲ WOBAN
424030N 0361024W
053 / 233
FL 450 /
Odd (1)
Even (1)
[Class C]
▲ EKCOMBE
470812N 028383W
064 / 244
446 KM
/ FL195
Odd (1)
Even (1)
Amswell ACC FREQ: 120.300 MHZ
▲ LIMAD
484800N 0231300W
064 / 244
163 KM
FL 450 / FL 195
Odd (1)
Even (1)
Amswell ACC FREQ: 120.300 MHZ [Class C]
▲ VEGAT
492130N 0210800W
(2)
Point/Segment Remarks:
(2) For continuation, see AIP ..... (specify).
Route Designator {RNP Type}
[Route Usage Notes]
Significant Point Name
Significant Point Coordinates
Remarks
Track MAG
Dist
Upper limit /
Lateral limits
FL series
Controlling unit [Airspace class]

On paper

AD 2 Aerodromes

EADD — DONLON/Intl.

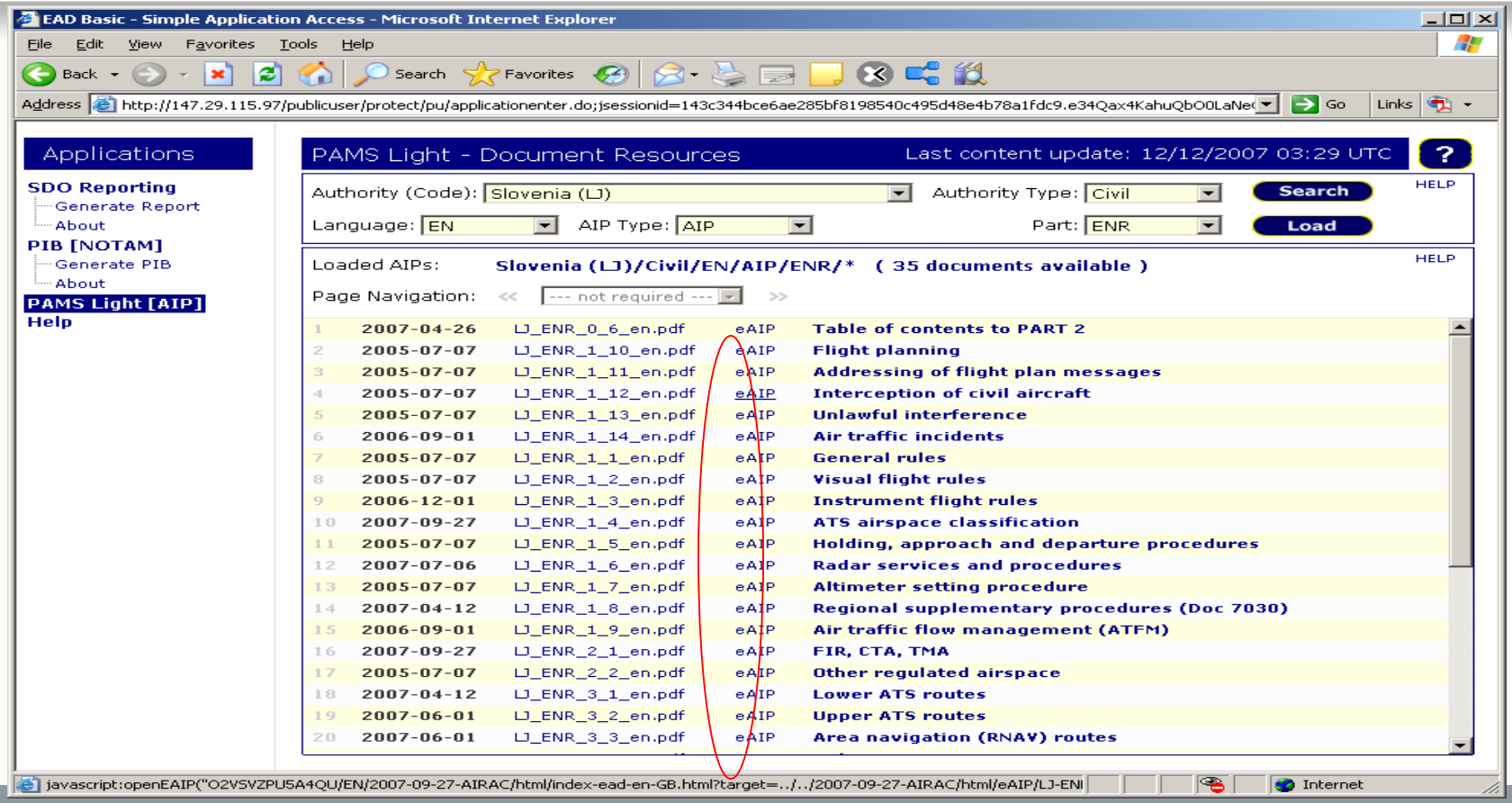
EADD AD 2.1 Aerodrome location indicator and name

EADD — DONLON/Intl.

EADD AD 2.2 Aerodrome geographical and administrative data

1	*ARP coordinates and site at AD*	522318N 0315658W 258°/1 075 M from THR 09L
2	*Direction and distance from (city)*	045°, 9 KM from Donlon
3	*Elevation/Reference temperature*	30 M (99 FT)/21°C
4	*MAG VAR/Annual change*	3°W (1990)/0.03° decreasing
5	*AD Administration, address, telephone, telefax, telex, AFS*	Post: Civil Aviation Administration Donlon Airport Donlon 4 W Tel:01238282 Fax:01238292 Telex: 996666 AFS:EADDYDYX
6	*Types of traffic permitted (IFR/VFR)*	IFR/VFR
7	*Remarks*	Nil

In EAD


EAD Basic - Simple Application Access - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
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Applications
SDO Reporting
Generate Report
About
PIB [NOTAM]
Generate PIB
About
PAMS Light [AIP]
Help
PAMS Light - Document Resources
Last content update: 12/12/2007 03:29 UTC
Authority (Code): Slovenia (LJ)
Authority Type: Civil
Search
HELP
Language: EN
AIP Type: AIP
Part: ENR
Load
Loaded AIPs: Slovenia (LJ)/Civil/EN/AIP/ENR/* (35 documents available)
HELP
Page Navigation: << --- not required --- >>
1 2007-04-26 LJ_ENR_0_6_en.pdf eAIP Table of contents to PART 2
2 2005-07-07 LJ_ENR_1_10_en.pdf eAIP Flight planning
3 2005-07-07 LJ_ENR_1_11_en.pdf eAIP Addressing of flight plan messages
4 2005-07-07 LJ_ENR_1_12_en.pdf eAIP Interception of civil aircraft
5 2005-07-07 LJ_ENR_1_13_en.pdf eAIP Unlawful interference
6 2006-09-01 LJ_ENR_1_14_en.pdf eAIP Air traffic incidents
7 2005-07-07 LJ_ENR_1_1_en.pdf eAIP General rules
8 2005-07-07 LJ_ENR_1_2_en.pdf eAIP Visual flight rules
9 2006-12-01 LJ_ENR_1_3_en.pdf eAIP Instrument flight rules
10 2007-09-27 LJ_ENR_1_4_en.pdf eAIP ATS airspace classification
11 2005-07-07 LJ_ENR_1_5_en.pdf eAIP Holding, approach and departure procedures
12 2007-07-06 LJ_ENR_1_6_en.pdf eAIP Radar services and procedures
13 2005-07-07 LJ_ENR_1_7_en.pdf eAIP Altimeter setting procedure
14 2007-04-12 LJ_ENR_1_8_en.pdf eAIP Regional supplementary procedures (Doc 7030)
15 2006-09-01 LJ_ENR_1_9_en.pdf eAIP Air traffic flow management (ATFM)
16 2007-09-27 LJ_ENR_2_1_en.pdf eAIP FIR, CTA, TMA
17 2005-07-07 LJ_ENR_2_2_en.pdf eAIP Other regulated airspace
18 2007-04-12 LJ_ENR_3_1_en.pdf eAIP Lower ATS routes
19 2007-06-01 LJ_ENR_3_2_en.pdf eAIP Upper ATS routes
20 2007-06-01 LJ_ENR_3_3_en.pdf eAIP Area navigation (RNAV) routes
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Internet

Implementation Status

eAIP Implementations

The States currently publishing an Electronic AIP that complies with the EUROCONTROL eAIP Specification are listed below.

eAIP on-line	eAIP on CD
Armenia	Azerbaijan
Belgium & Luxembourg	Moldova
Hungary	
Japan	
Latvia	
Netherlands	
Portugal	
Slovak Republic (registration required)	
Slovenia	
Taiwan	

Many more in preparation, as far as we know!

eAIP User Group Meetings

Cooperative Network Design (CND)
Aeronautical Information Management (AIM)

EUROCONTROL

eAIP User Group #3

eAIP User Group
- 3rd MEETING -

Neptune Conference Room
EUROCONTROL
Rue de la Fusée 96
B -1130 Brussels

Wednesday, 10 June 2009
10h00 to 16h30

Proposed eAIP enhancements

1. ACTIONS

1. The Agency to refresh the eAIP Web site (www.eurocontrol.int/eaip) to include Specification version 1.1.0 and list all States that have implemented an eAIP according to the EUROCONTROL Specification. (*Target date: end July 2007*)

2. The Agency to modify the eAIP Toolbox 1.1.0 in order to support the handling of NIL sections as proposed in the presentation of Slovenia (*Target date: end July 2007*)

3. The Agency to set-up an eAIP Forum, similar to AIS Agora and the AIXM Forum, enabling a more active contact between the stakeholders of the eAIP Specification. (*Target date: end August 2007*)

4. All participants to reply to the AIS Team Questionnaire, available on line at http://www.eurocontrol.int/aim/gallery/content/public/documents/aist_questionnaire.html (*Target date: end August 2007*).

5. The Agency to upload in OneSky Teams all the presentations and the list of participants (*Target date: end June 2007*).

ADQ IR

L 23/6 EN Official Journal of the European Union 27.1.2010

COMMISSION REGULATION (EU) No 73/2010

of 26 January 2010

laying down requirements on the quality of aeronautical data and aeronautical information for the single European sky

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EC) No 552/2004 of the European Parliament and of the Council of 10 March 2004 on the interoperability of the European Air Traffic Management network (the interoperability Regulation) (1) and in particular Article 3(5) thereof,

data and aeronautical information are not always met within the EATMN, in particular the accuracy and integrity requirements.

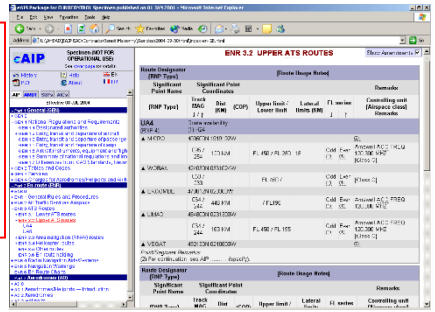
(6) A significant amount of paper-based, manual activity still takes place within the aeronautical data chain, which leads to significant opportunities for the introduction of errors and the degradation of data quality. Measures should therefore be adopted to improve the situation.

ADQ IR – Article 5

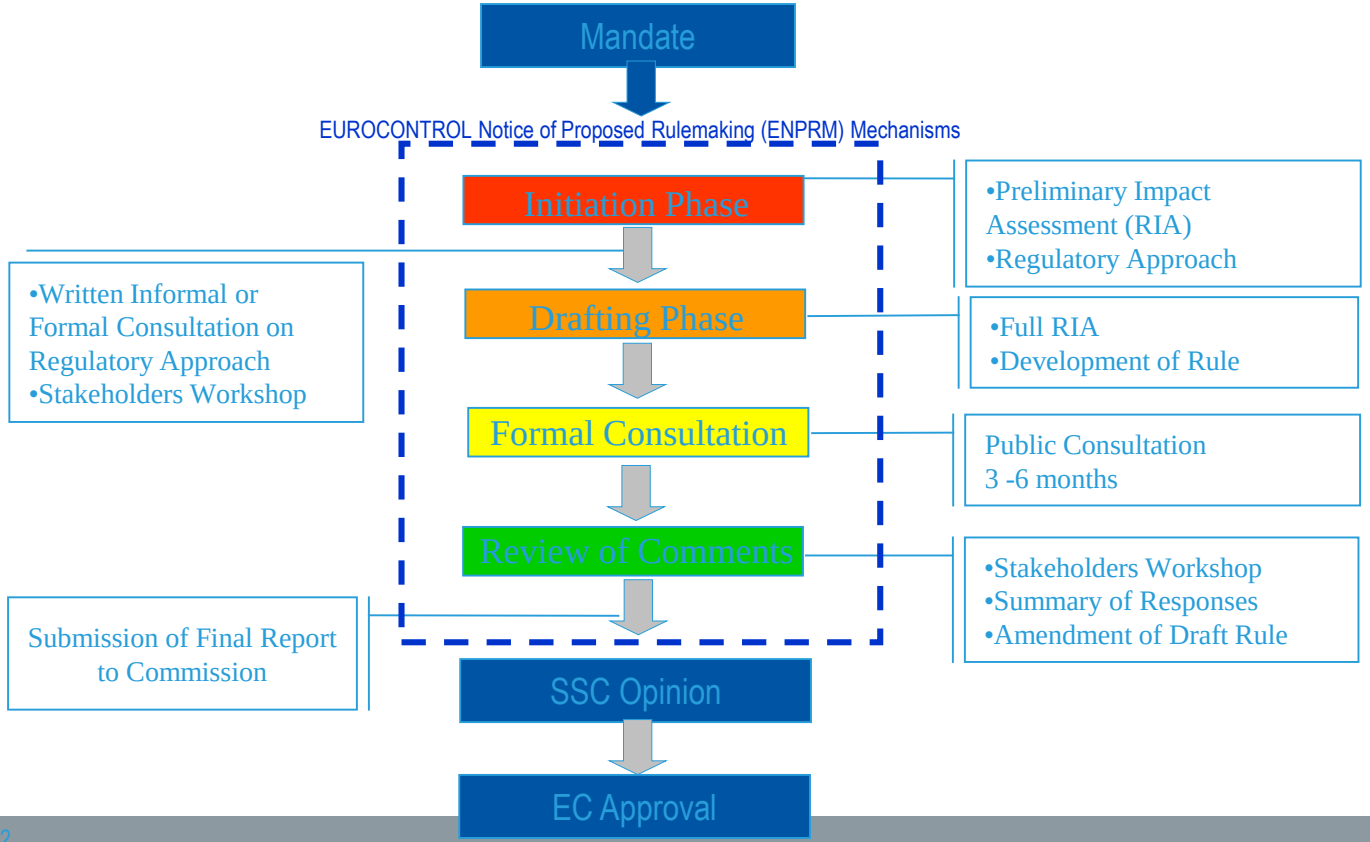
4. Aeronautical information service providers shall ensure that all aeronautical data and aeronautical information within the AIPs, AIP amendments and AIP supplements provided by a Member State are made available to the next intended user, as a minimum:

(a) in accordance with the publication requirements identified in the ICAO standards referred to in points 4 and 8 of Annex III;

(b) in a way that allows the content and format of the documents to be directly readable on a computer screen; and



Implementing Rule Development



eAIP Specification (eAIP version 2.0)

EUROPEAN ORGANISATION
FOR THE SAFETY OF AIR NAVIGATION

EUROCONTROL

EUROCONTROL Specification for the Electronic Aeronautical Information Publication (eAIP)

SPECIFICATION DOCUMENT IDENTIFIER: EUROCONTROL-SPEC- 0146

Edition Number	:	2.0
Edition Date	:	14 February 2011
Status	:	Released
Intended for	:	General Public
Category	:	EUROCONTROL Specification

EUROPEAN AIR TRAFFIC MANAGEMENT PROGRAMME

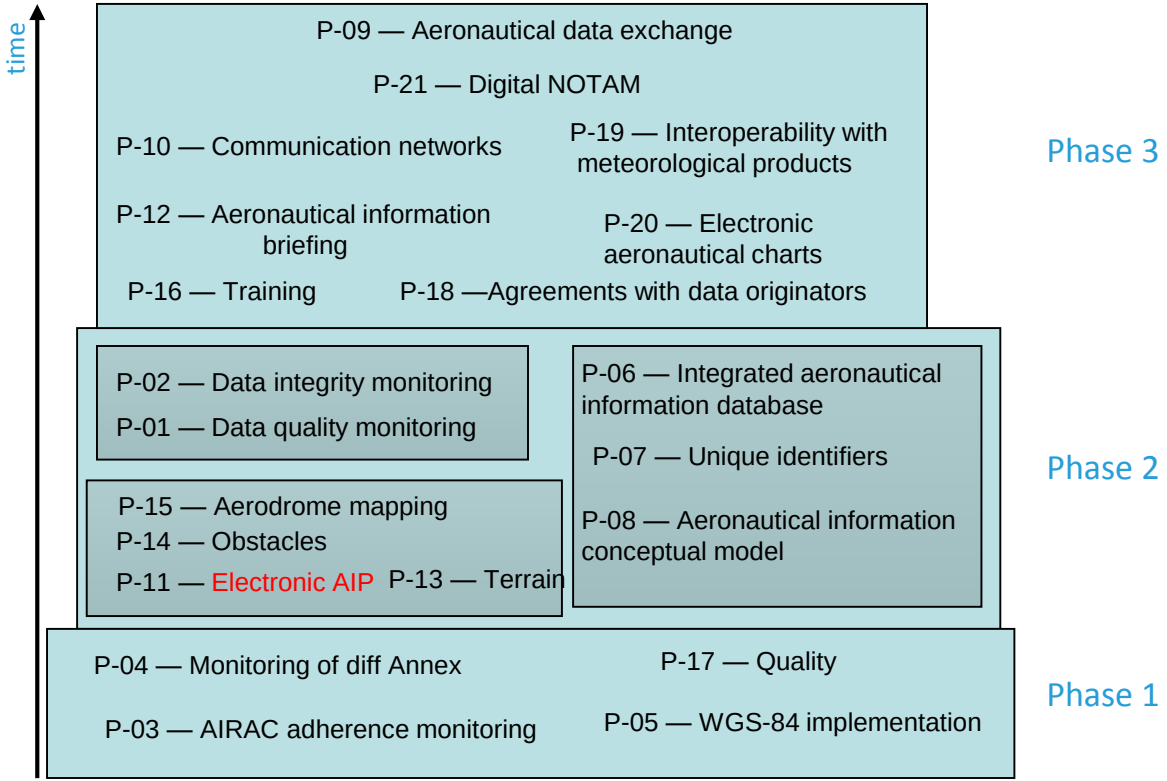
eAIP specification

The previous version has been reorganised into:

- Six (6) Chapters, introduction and general descriptions
- Seven (7) annexes
  - Annex A (normative) Specification of eAIP requirements
    - Requirements are now categorized M, O, C.
  - Annex B Conformity Material
  - Annex C Traceability to Regulatory Provisions
  - Annex D Example Production Process
  - Annex E Specification Update Procedure (ENPRM Process)
  - Annex F Abbreviations
  - Annex G Definitions

- Means of compliance for ADQ IR Article 5.4.b
- Specification (Annex A) will become part of the ICAO document …

ICAO - Transition from AIS to AIM



ICAO AIS to AIM Roadmap

- **Phase 2 — Going digital**
  - (54) "*Many States are already providing electronic equivalents of their AIPs, e.g. on CD or on the Internet. These electronic AIPs may be accessible for printing and/or for navigation via a web browser tool. Guidance material that will be based on existing best practices will be provided to States to ensure that new types of media will be harmonized for users.*"

Annex 15 – 13th Edition, July 2010 (AMDT 36)

4.6 Electronic AIP (eAIP)

4.6.1 **Recommendation**.— *The AIP, AIP Amendment, AIP Supplement and AIC should also be published in a format that allows for displaying on a computer screen and printing on paper.*

Note 1.— This composite electronic document is named "Electronic AIP" (eAIP) and may be based on a format that allows for digital data exchange.

Note 2.— Guidance material for the production and provision of the eAIP is contained in Doc 8126.

4.6.2 When provided, the information content of the eAIP and the structure of chapters, sections and sub-sections shall follow the content and structure of the paper AIP. The eAIP shall include files that allow for printing a paper AIP.

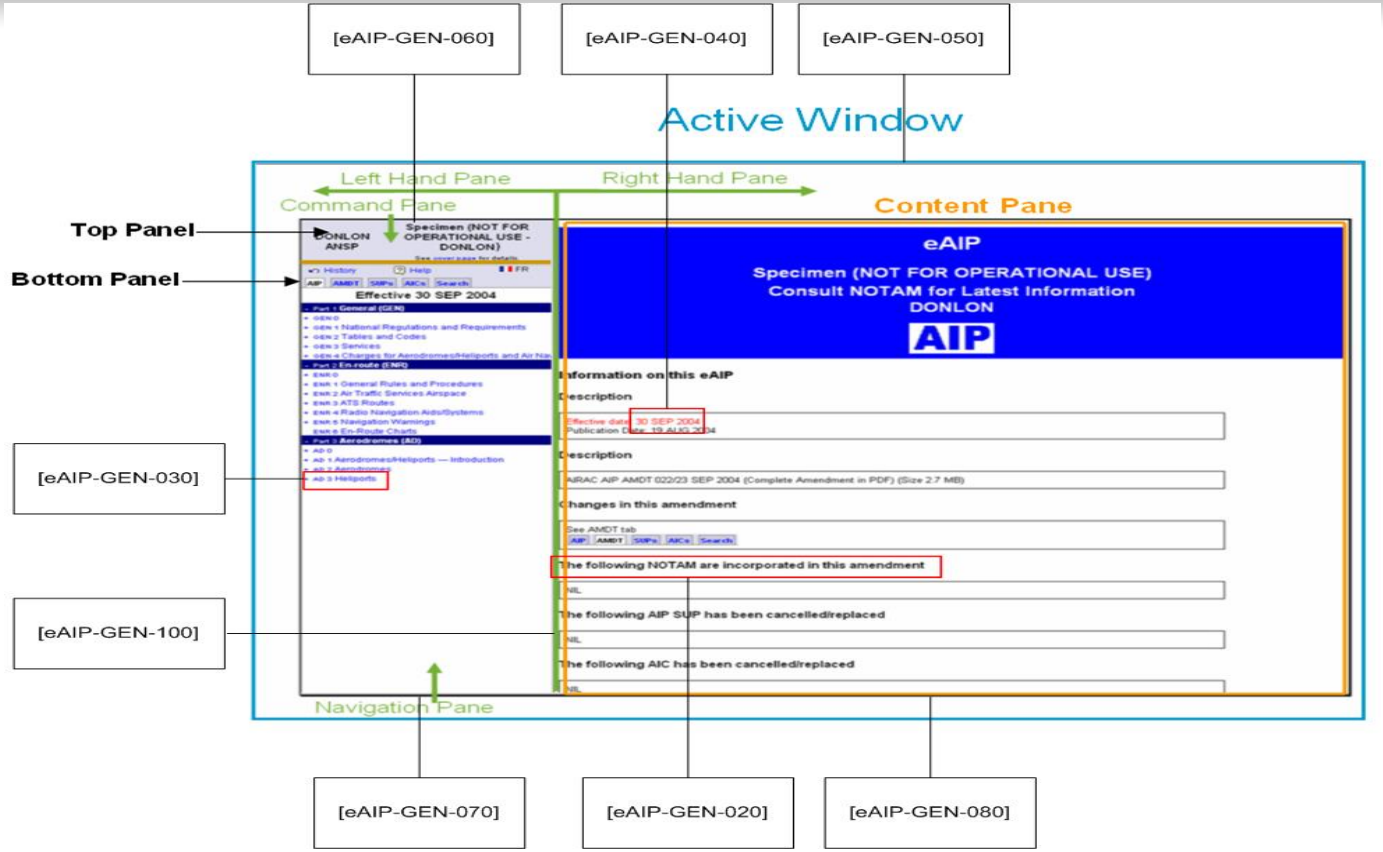
Main Changes from eAIP 1.1.0

- eAIP view
  - Search interface
  - AIC grouped by series
  - AD 1.5
  - PDF logo
  - Effective/publication date visibility in tabs
  - Header block background colours for AIC and SUP
  - Removed effective date from eAIS Package
  - Allow block elements before Navaid and Designated-point tables
  - Add support for more than 1 introductory text block in GEN 2.2 and GEN 2.4
  - Improved document structure: no blocks between sub-section, no nested numbered paragraphs; title now mandatory in Sub-section; no nested SUP-section, at least 1 AIP reference in SUP-section

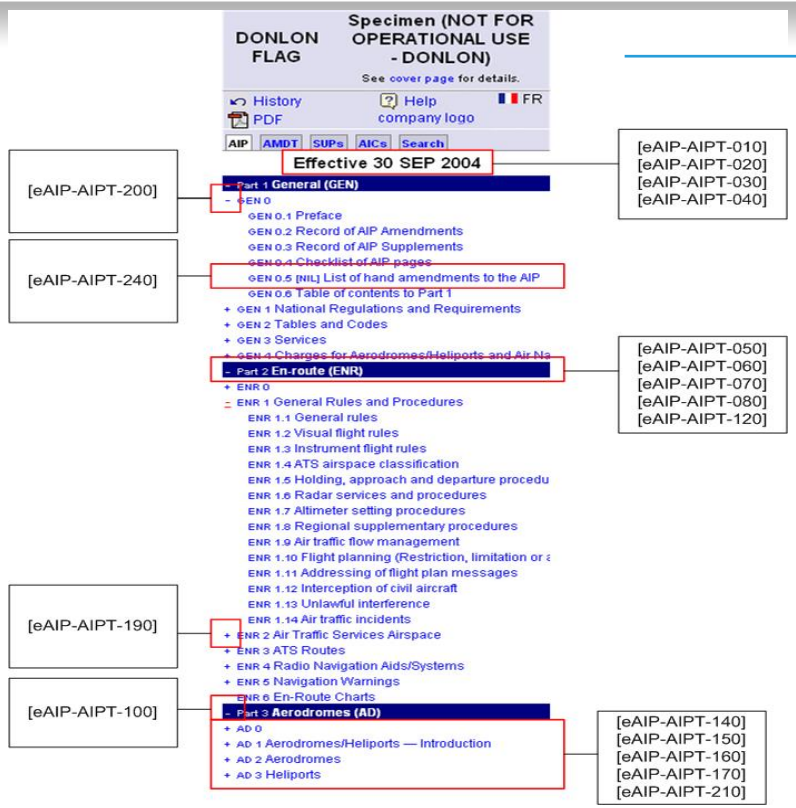
Changes from eAIP 1.1.0

- eAIP production (toolbox)
  - Bilingual eAIP in a single document (as opposed to 2 eAIPs previously)
  - Support for effective time on PDF paper AMDT cover page and on HTML eAIS Package cover page
  - Numerous bug fixes in XSLT

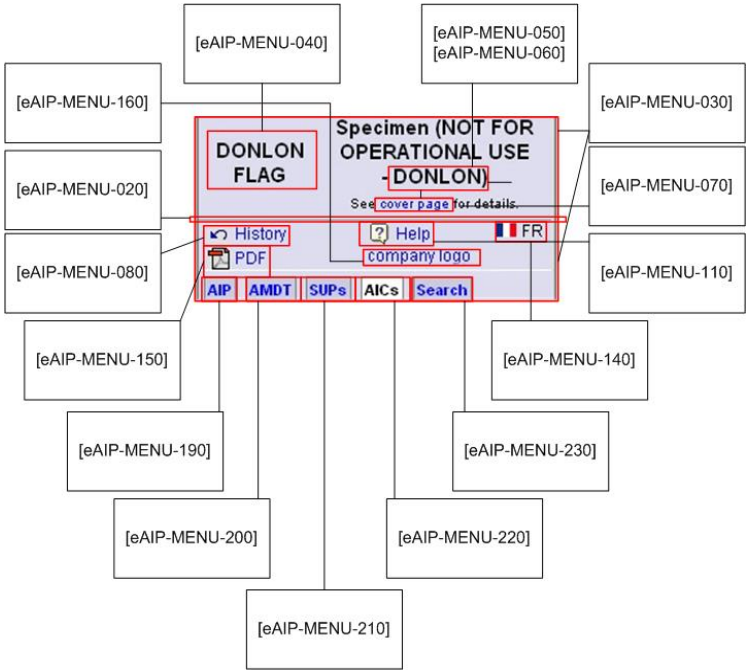
Definitions of the eAIP Active Window



AIP Table of contents



Command Pane



AIP Content

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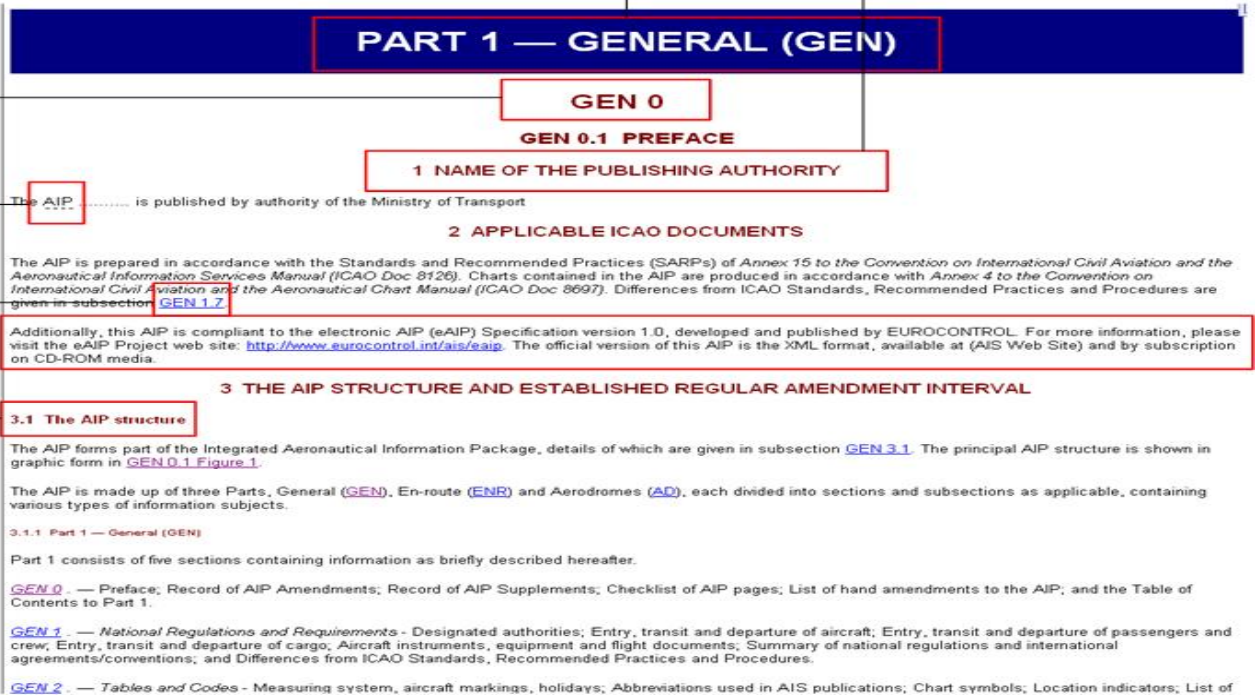

PART 1 — GENERAL (GEN)

GEN 0

GEN 0.1 PREFACE

1 NAME OF THE PUBLISHING AUTHORITY

The AIP ..... is published by authority of the Ministry of Transport

2 APPLICABLE ICAO DOCUMENTS

The AIP is prepared in accordance with the Standards and Recommended Practices (SARPs) of *Annex 15 to the Convention on International Civil Aviation and the Aeronautical Information Services Manual (ICAO Doc 8126)*. Charts contained in the AIP are produced in accordance with *Annex 4 to the Convention on International Civil Aviation and the Aeronautical Chart Manual (ICAO Doc 8697)*. Differences from ICAO Standards, Recommended Practices and Procedures are given in subsection GEN 1.7.

Additionally, this AIP is compliant to the electronic AIP (eAIP) Specification version 1.0, developed and published by EUROCONTROL. For more information, please visit the eAIP Project web site: http://www.eurocontrol.int/ais/eaip. The official version of this AIP is the XML format, available at (AIS Web Site) and by subscription on CD-ROM media.

3 THE AIP STRUCTURE AND ESTABLISHED REGULAR AMENDMENT INTERVAL

3.1 The AIP structure

The AIP forms part of the Integrated Aeronautical Information Package, details of which are given in subsection GEN 3.1. The principal AIP structure is shown in graphic form in GEN 0.1 Figure 1.

The AIP is made up of three Parts, General (GEN), En-route (ENR) and Aerodromes (AD), each divided into sections and subsections as applicable, containing various types of information subjects.

3.1.1 Part 1 — General (GEN)

Part 1 consists of five sections containing information as briefly described hereafter.

GEN 0 . — Preface; Record of AIP Amendments; Record of AIP Supplements; Checklist of AIP pages; List of hand amendments to the AIP; and the Table of Contents to Part 1.

GEN 1 . — *National Regulations and Requirements* - Designated authorities; Entry, transit and departure of aircraft; Entry, transit and departure of passengers and crew; Entry, transit and departure of cargo; Aircraft instruments, equipment and flight documents; Summary of national regulations and international agreements/conventions; and Differences from ICAO Standards, Recommended Practices and Procedures.

GEN 2 . — *Tables and Codes* - Measuring system, aircraft markings, holidays; Abbreviations used in AIS publications; Chart symbols; Location indicators; List of

AIP Content Amendments

[eAIP-AIPC-320]
[eAIP-AIPC-330]
[eAIP-AIPC-340]

[eAIP-AIPC-350]

[eAIP-AIPC-360]
[eAIP-AIPC-370]

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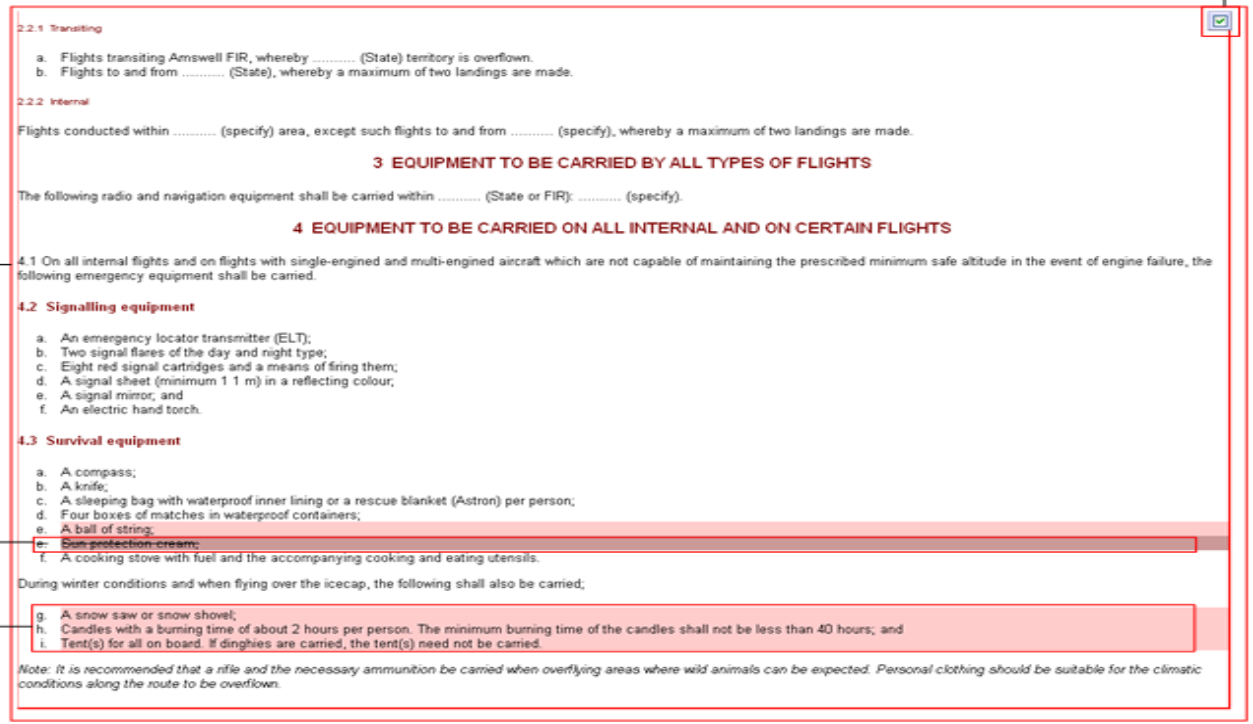


2.2.1 Transiting

a. Flights transiting Amswell FIR, whereby ..... (State) territory is overflown.
b. Flights to and from ..... (State), whereby a maximum of two landings are made.

2.2.2 Internal

Flights conducted within ..... (specify) area, except such flights to and from ..... (specify), whereby a maximum of two landings are made.

3 EQUIPMENT TO BE CARRIED BY ALL TYPES OF FLIGHTS

The following radio and navigation equipment shall be carried within ..... (State or FIR): ..... (specify).

4 EQUIPMENT TO BE CARRIED ON ALL INTERNAL AND ON CERTAIN FLIGHTS

4.1 On all internal flights and on flights with single-engined and multi-engined aircraft which are not capable of maintaining the prescribed minimum safe altitude in the event of engine failure, the following emergency equipment shall be carried.

4.2 Signalling equipment

a. An emergency locator transmitter (ELT);
b. Two signal flares of the day and night type;
c. Eight red signal cartridges and a means of firing them;
d. A signal sheet (minimum 1 1 m) in a reflecting colour;
e. A signal mirror; and
f. An electric hand torch.

4.3 Survival equipment

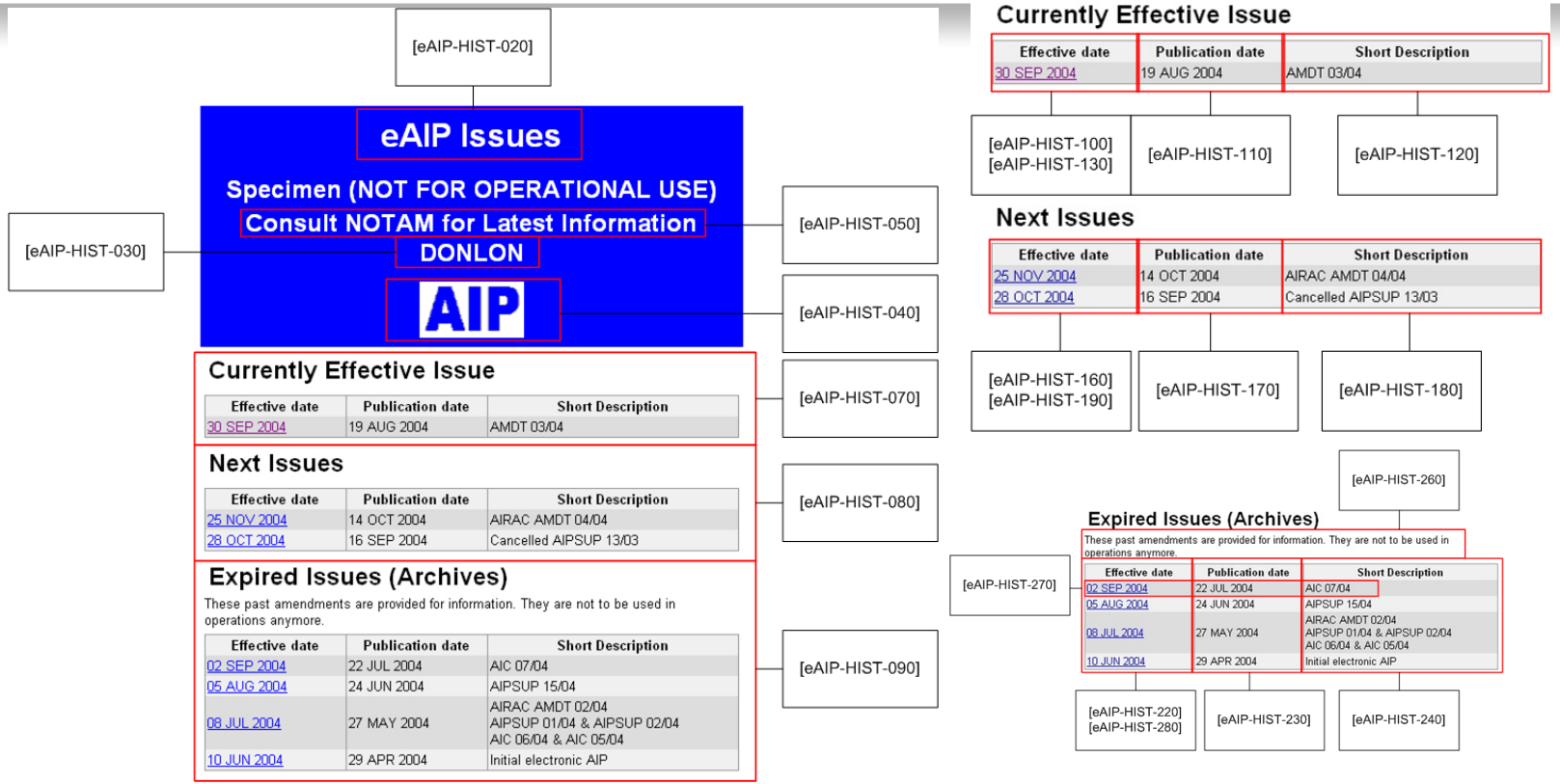
a. A compass;
b. A knife;
c. A sleeping bag with waterproof inner lining or a rescue blanket (Astron) per person;
d. Four boxes of matches in waterproof containers;
e. A ball of string;
e. ~~Sun protection cream;~~
f. A cooking stove with fuel and the accompanying cooking and eating utensils.

During winter conditions and when flying over the icecap, the following shall also be carried;

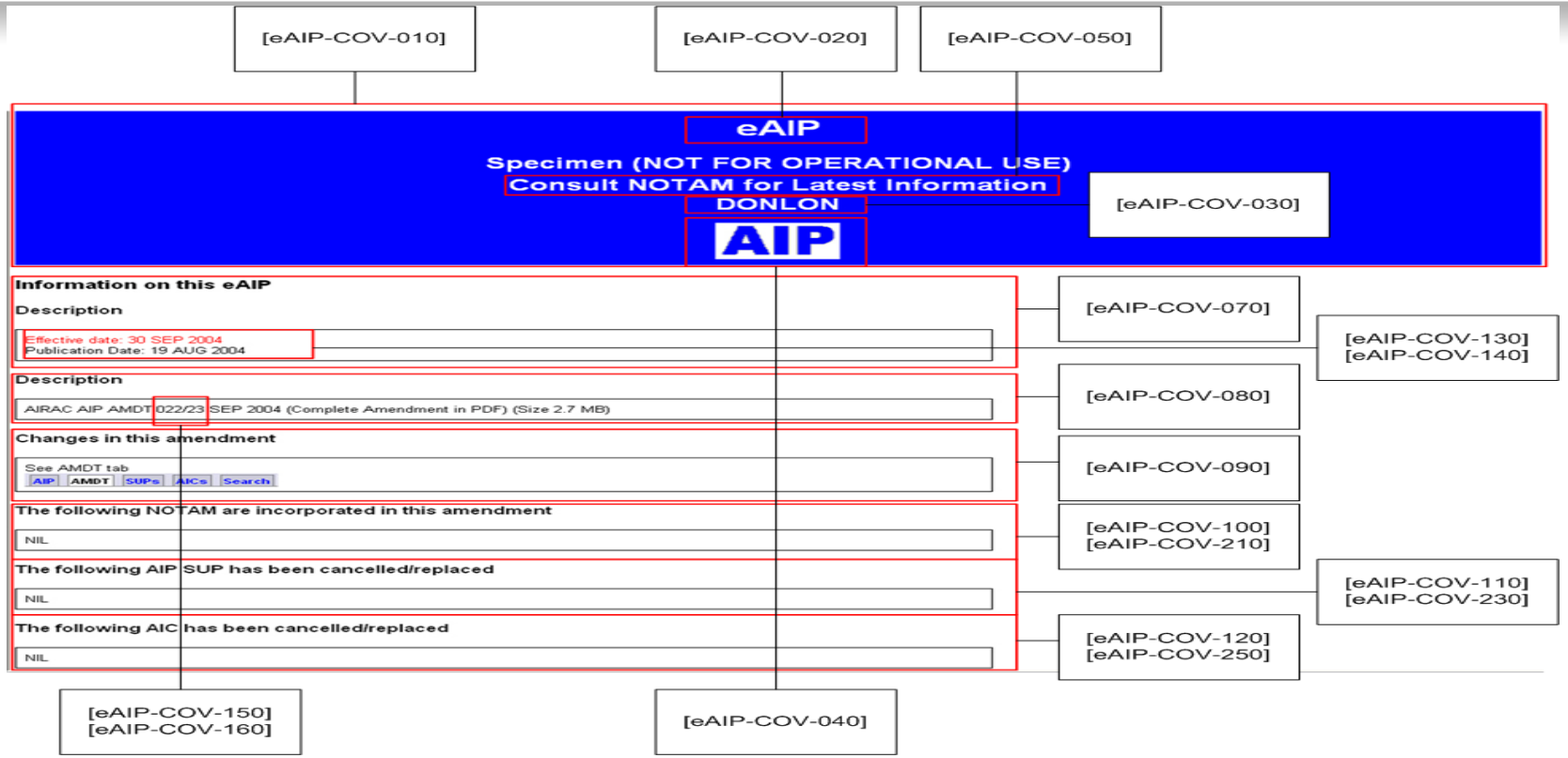
g. A snow saw or snow shovel;
h. Candles with a burning time of about 2 hours per person. The minimum burning time of the candles shall not be less than 40 hours; and
i. Tent(s) for all on board. If dinghies are carried, the tent(s) need not be carried.

Note: It is recommended that a rifle and the necessary ammunition be carried when overflying areas where wild animals can be expected. Personal clothing should be suitable for the climatic conditions along the route to be overflown.

eAIP History Page(1)



Cover Page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Specimen (NOT FOR OPERATIONAL USE)
Consult NOTAM for Latest Information
DONLON
AIP
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Information on this eAIP
Description
Effective date: 30 SEP 2004
Publication Date: 19 AUG 2004
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Description
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Changes in this amendment
See AMDT tab
AIP AMDT SUPs AICs Search
[eAIP-COV-090]
The following NOTAM are incorporated in this amendment
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[eAIP-COV-100]
[eAIP-COV-210]
The following AIP SUP has been cancelled/replaced
NIL
[eAIP-COV-110]
[eAIP-COV-230]
The following AIC has been cancelled/replaced
NIL
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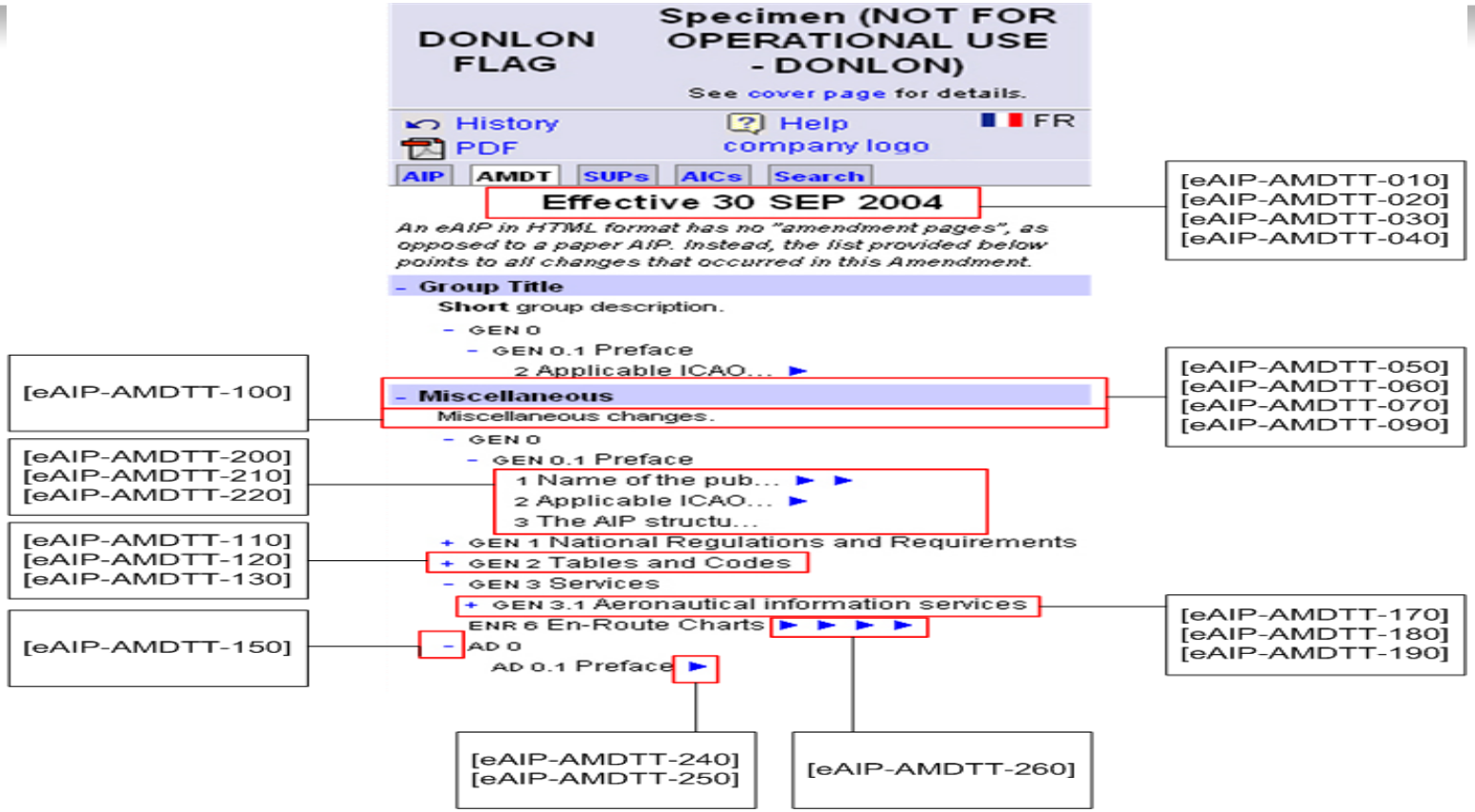
[eAIP-COV-250]
[eAIP-COV-150]
[eAIP-COV-160]
[eAIP-COV-040]

AMDT Table of Contents



AMDT Content

[eAIP-AMDTC-030]
[eAIP-AMDTC-060]

[eAIP-AMDTC-020]

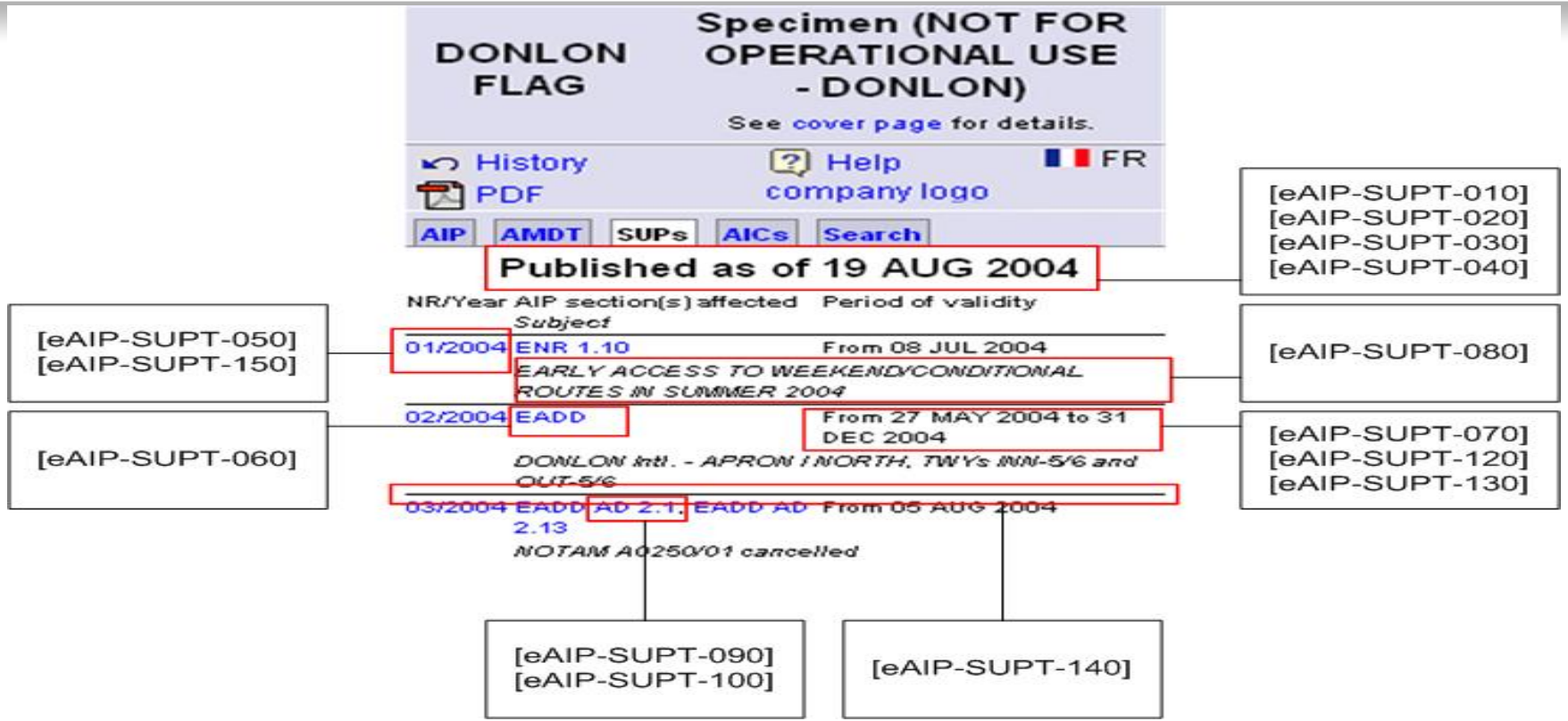
[eAIP-AMDTC-070]

Route Designator (RNP Type) / Significant Point Name	Significant Point Coordinates: Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series ↓	FL series ↑	[Route Usage Notes] Remarks: Controlling unit (Airspace class) Remarks
A3 (RNP 4)	Route availability: (1) H24								
• BARIM	423006N 0370006W								-
	074 / 254	69 KM	-	FL 195 / 900 M ALT	1 200 M	18	Odd (1).	Even (1).	Amswell ACC FREQ: 120.300 MHZ [Class C]
• WOBAN	424030N 0361024W		-						-

Route Designator (RNP Type) / Significant Point Name	Significant Point Coordinates: Track MAG ↓ / ↑	Dist (KM)	(COP)	Upper limit / Lower limit	Minimum flight altitude	Lateral limits (KM)	FL series ↓	FL series ↑	[Route Usage Notes] Remarks: Controlling unit (Airspace class) Remarks
A4 (RNP 4)	Route availability: (1) H24								
• BARIM	423006N 0370006W								(2).
	074 / 254	69 KM		FL 195 / 900 M ALT	1 200 M	18	Odd (1).	Even (1).	Amswell ACC FREQ: 120.300 MHZ [Class C]
• WOBAN	424030N 0361024W								
	053 / 233	771 KM	(489/282)	FL 195 / 900 M ALT	1 200 M		Odd (1).	Even (1).	Amswell ACC FREQ: 120.300 MHZ [Class C]
• EKCOMBE	470812N 028383W								
	064 / 244	446 KM		FL 195 / 900 M ALT	1 200 M		Odd (1).	Even (1).	Amswell ACC FREQ: 120.300 MHZ [Class C]
• LIMAD	484800N 0231300W								
	064 / 244	163 KM		FL 195 / 900 M ALT	1 200 M		Odd (1).	Even (1).	Amswell ACC FREQ: 120.300 MHZ [Class C]
• VEGAT	492130N 0210800W								(2).

Point/Segment Remarks:
(2) For continuation, see AIP ..... (specify).

SUPs Table of Contents



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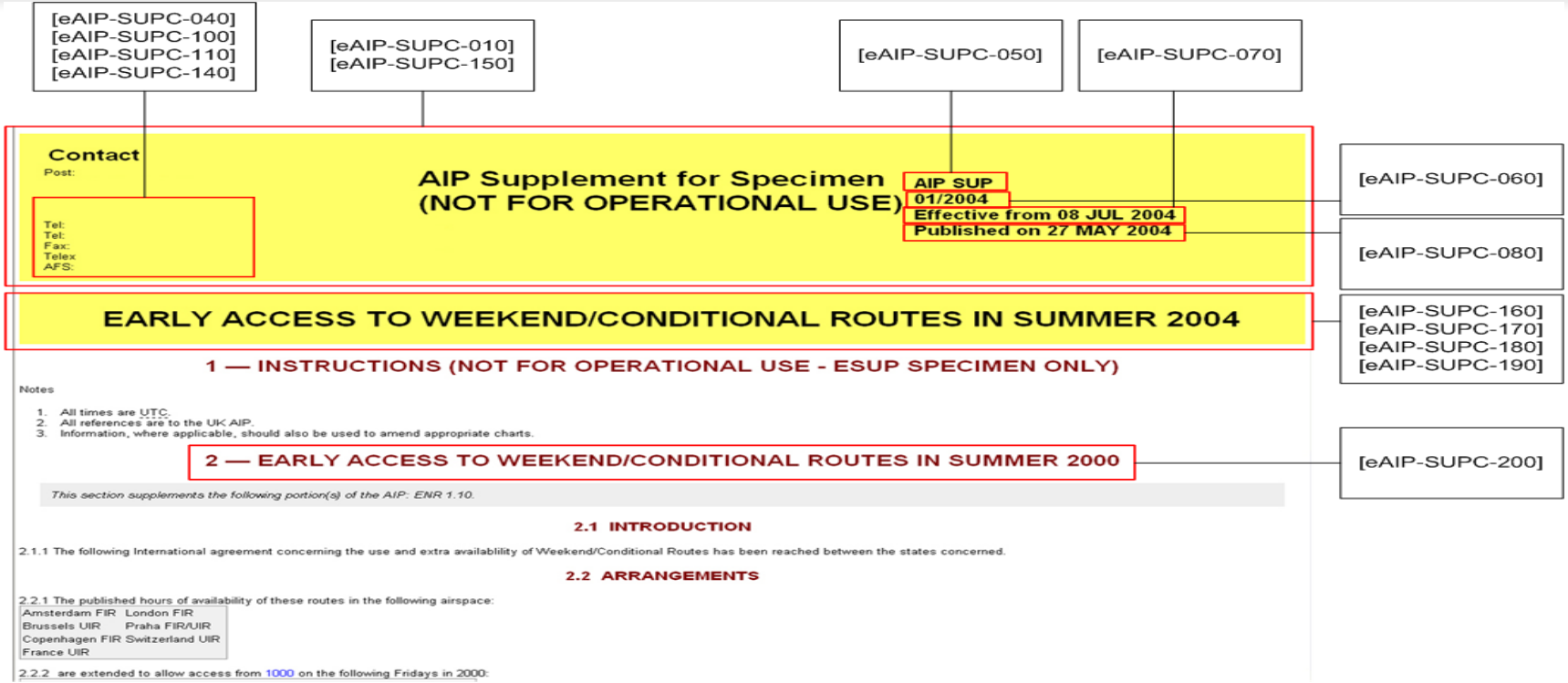
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[eAIP-SUPC-010]
[eAIP-SUPC-150]
[eAIP-SUPC-050]
[eAIP-SUPC-070]
Contact
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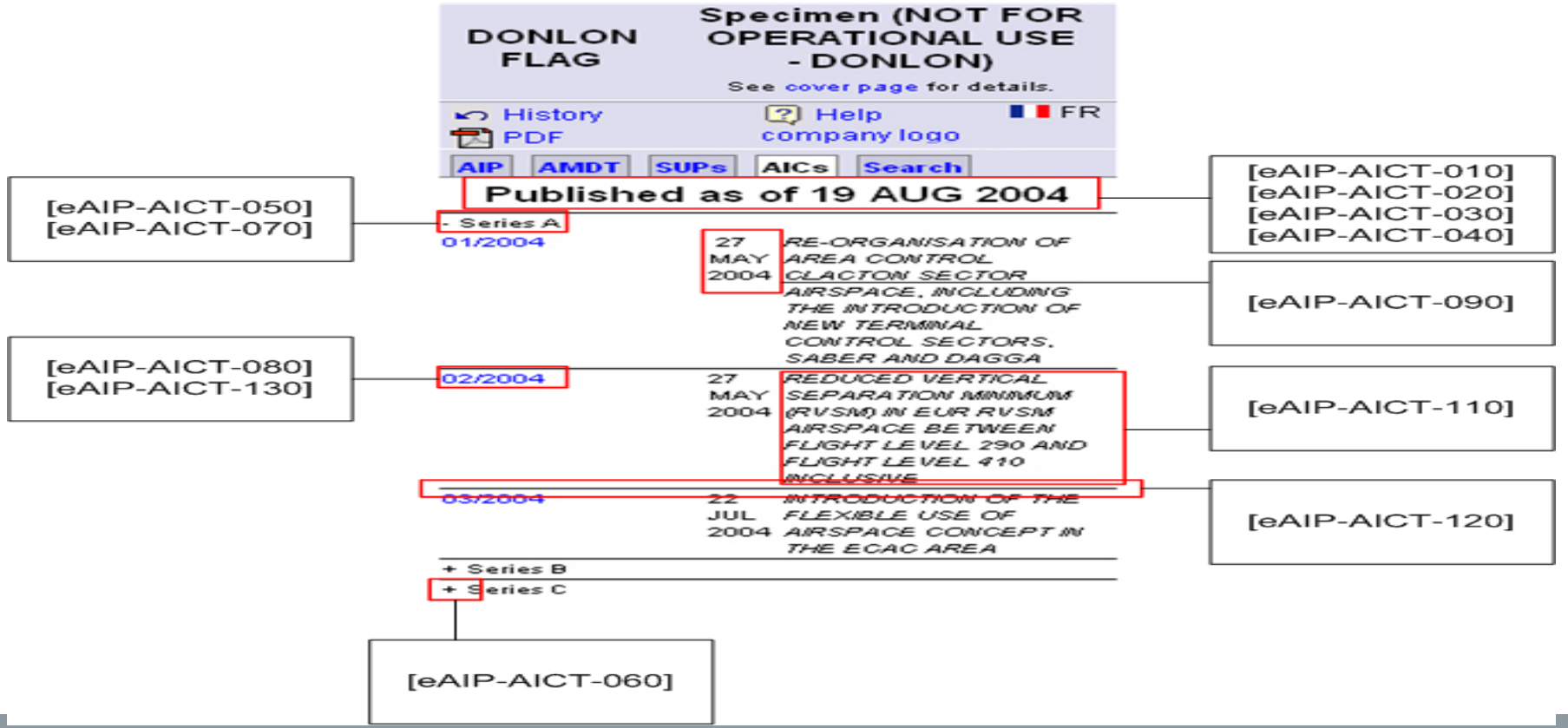
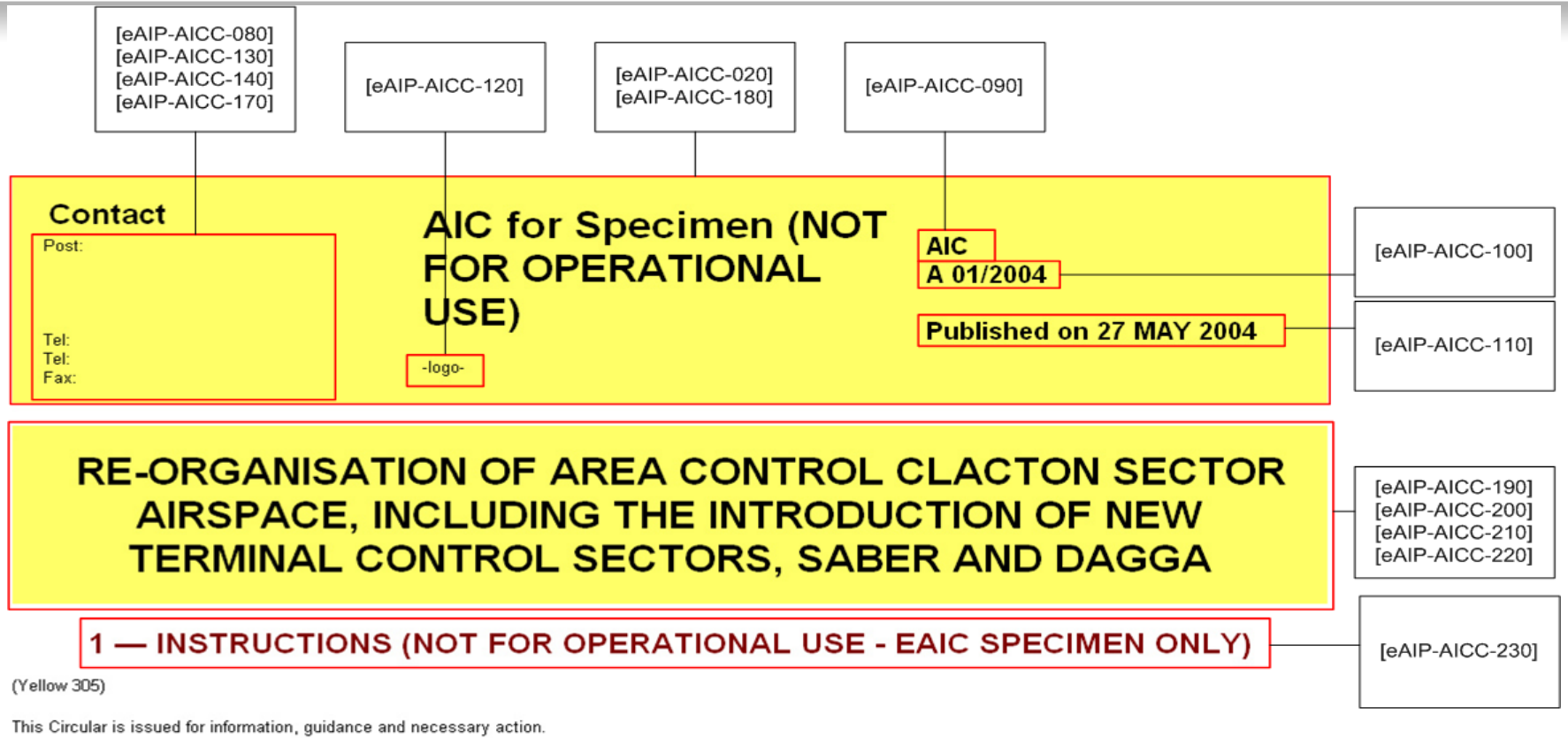
AIP Supplement for Specimen
(NOT FOR OPERATIONAL USE)
AIP SUP
01/2004
Effective from 08 JUL 2004
Published on 27 MAY 2004
[eAIP-SUPC-060]
[eAIP-SUPC-080]
EARLY ACCESS TO WEEKEND/CONDITIONAL ROUTES IN SUMMER 2004
[eAIP-SUPC-160]
[eAIP-SUPC-170]
[eAIP-SUPC-180]
[eAIP-SUPC-190]
1 — INSTRUCTIONS (NOT FOR OPERATIONAL USE - ESUP SPECIMEN ONLY)
Notes
1. All times are UTC.
2. All references are to the UK AIP.
3. Information, where applicable, should also be used to amend appropriate charts.
2 — EARLY ACCESS TO WEEKEND/CONDITIONAL ROUTES IN SUMMER 2000
[eAIP-SUPC-200]
This section supplements the following portion(s) of the AIP: ENR 1.10.
2.1 INTRODUCTION
2.1.1 The following International agreement concerning the use and extra availablility of Weekend/Conditional Routes has been reached between the states concerned.
2.2 ARRANGEMENTS
2.2.1 The published hours of availability of these routes in the following airspace:
Amsterdam FIR London FIR
Brussels UIR Praha FIR/UIR
Copenhagen FIR Switzerland UIR
France UIR
2.2.2 are extended to allow access from 1000 on the following Fridays in 2000:

AICs Table of Contents



AIC Content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[eAIP-AICC-120]
[eAIP-AICC-020]
[eAIP-AICC-180]
[eAIP-AICC-090]
Contact
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AIC for Specimen (NOT FOR OPERATIONAL USE)
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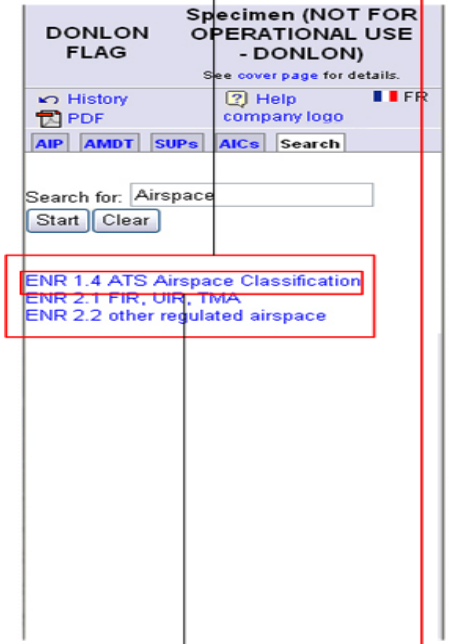
AIC
A 01/2004
Published on 27 MAY 2004
[eAIP-AICC-100]
[eAIP-AICC-110]
RE-ORGANISATION OF AREA CONTROL CLACTON SECTOR AIRSPACE, INCLUDING THE INTRODUCTION OF NEW TERMINAL CONTROL SECTORS, SABER AND DAGGA
[eAIP-AICC-190]
[eAIP-AICC-200]
[eAIP-AICC-210]
[eAIP-AICC-220]
1 — INSTRUCTIONS (NOT FOR OPERATIONAL USE - EAIC SPECIMEN ONLY)
[eAIP-AICC-230]
(Yellow 305)
This Circular is issued for information, guidance and necessary action.

Search Facility

[eAIP-SRCH-070]
[eAIP-SRCH-080]



[eAIP-SRCH-090]

[eAIP-SRCH-100]

ENR 1.4 ATS AIRSPACE CLASSIFICATION

1 CLASSIFICATION OF AIRSPACES

ATS airspaces are classified and designated in accordance with the following:

Class A. IFR flights only are permitted, all flights are subject to air traffic control service and are separated from each other.

Class B. IFR and VFR flights are permitted, all flights are subject to air traffic control service and are separated from each other.

Class C. IFR and VFR flights are permitted, all flights are subject to air traffic control service and IFR flights are separated from other IFR flights and from VFR flights. VFR flights are separated from IFR flights and receive traffic information in respect of other VFR flights.

Class D. IFR and VFR flights are permitted and all flights are subject to air traffic control service, IFR flights are separated from other IFR flights and receive traffic information in respect of VFR flights, VFR flights receive traffic information in respect of all other flights.

Class E. IFR and VFR flights are permitted, IFR flights are subject to air traffic control service and are separated from other IFR flights. All flights receive traffic information as far as is practical.

Class F. IFR and VFR flights are permitted, all participating IFR flights receive an air traffic advisory service and all flights receive flight information service if requested.

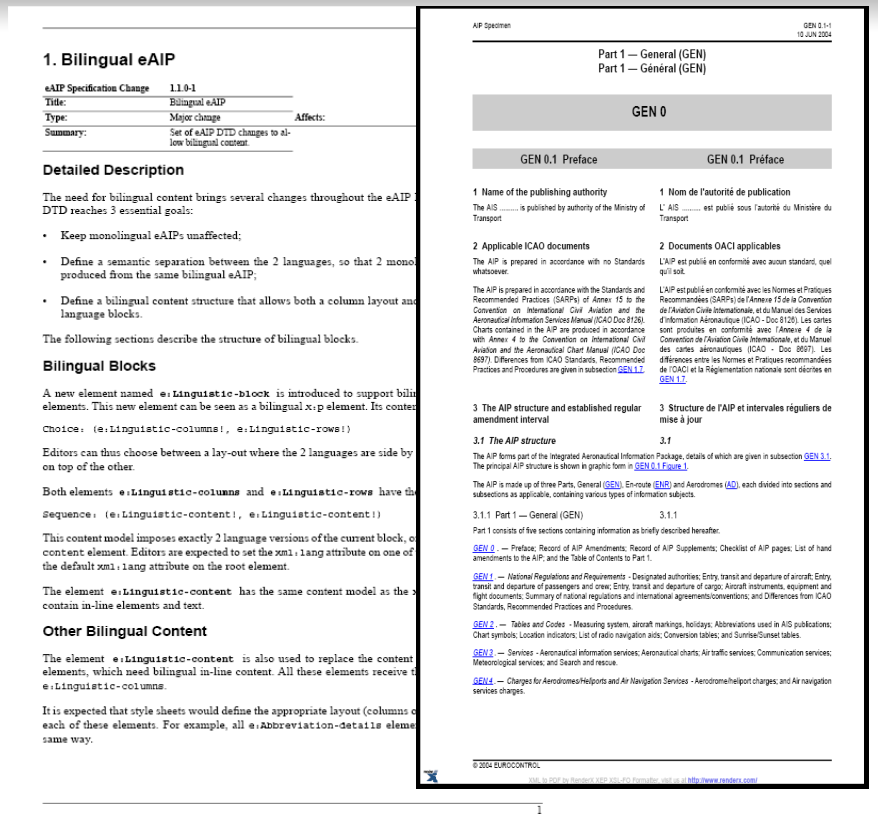
Class G. IFR and VFR flights are permitted and receive flight information service if requested.

The requirements for the flights within each class of airspace are as shown in the following table.

Class	Type of flight	Separation provided	Service provided	VMC visibility and distance from cloud minima□	Speed limitation□	Radio communication requirement	Subject to an ATC clearance
A	IFR only	All aircraft	Air traffic control service	Not applicable	Not applicable	Continuous two-way	Yes
	IFR	All aircraft	Air traffic control service	Not applicable	Not applicable	Continuous two-way	Yes

Bilingual PDF

- Outsourced to Synclude
- Test client – Macedonia
- Results
  - eAIP DTD proposed changes
  - eAIP Toolbox changes
  - Partially validated, some development still necessary
  - Some other minor eAIP improvements
- More testing necessary
  - before incorporation in a new version
- To be included in 1.2?



1. Bilingual eAIP

eAIP Specification Change	1.1.0-1	
Title:	Bilingual eAIP	
Type:	Major change	Affects:
Summary:	Set of eAIP DTD changes to allow bilingual content.	

Detailed Description

The need for bilingual content brings several changes throughout the eAIP DTD reaches 3 essential goals:

- Keep monolingual eAIPs unaffected;
- Define a semantic separation between the 2 languages, so that 2 mono produced from the same bilingual eAIP;
- Define a bilingual content structure that allows both a column layout an language blocks.

The following sections describe the structure of bilingual blocks.

Bilingual Blocks

A new element named `e:Linguistic-block` is introduced to support bili elements. This new element can be seen as a bilingual `x:p` element. Its conte

```
Choice: (e:Linguistic-columns!, e:Linguistic-rows!)
```

Editors can thus choose between a lay-out where the 2 languages are side by on top of the other.

Both elements `e:Linguistic-columns` and `e:Linguistic-rows` have th

```
Sequence: (e:Linguistic-content!, e:Linguistic-content!)
```

This content model imposes exactly 2 language versions of the current block, o content element. Editors are expected to set the `xml:lang` attribute on one of the default `xml:lang` attribute on the root element.

The element `e:Linguistic-content` has the same content model as the contain in-line elements and text.

Other Bilingual Content

The element `e:Linguistic-content` is also used to replace the content elements, which need bilingual in-line content. All these elements receive t `e:Linguistic-columns`.

It is expected that style sheets would define the appropriate layout (columns each of these elements. For example, all `e:Abbreviation-details` eleme same way.

1

AIP Specimen — GEN 0.1-1 — 10 JUN 2004

Part 1 — General (GEN)
Part 1 — Général (GEN)

GEN 0

GEN 0.1 Preface	GEN 0.1 Préface
1 Name of the publishing authority	**1 Nom de l'autorité de publication**
The AIS ..... is published by authority of the Ministry of Transport	L' AIS ..... est publié sous l'autorité du Ministère du Transport
2 Applicable ICAO documents	**2 Documents OACI applicables**
The AIP is prepared in accordance with no Standards whatsoever.	L'AIP est publié en conformité avec aucun standard, quel qu'il soit.
The AIP is prepared in accordance with the Standards and Recommended Practices (SARPs) of *Annex 15 to the Convention on International Civil Aviation and the Aeronautical Information Services Manual* (ICAO Doc 8126). Charts contained in the AIP are produced in accordance with *Annex 4 to the Convention on International Civil Aviation and the Aeronautical Chart Manual* (ICAO Doc 8697). Differences from ICAO Standards, Recommended Practices and Procedures are given in subsection GEN 1.7.	L'AIP est publié en conformité avec les Normes et Pratiques Recommandées (SARPs) de l'*Annexe 15 de la Convention de l'Aviation Civile Internationale*, et du Manuel des Services d'Information Aéronautique (ICAO - Doc 8126). Les cartes sont produites en conformité avec l'*Annexe 4 de la Convention de l'Aviation Civile Internationale*, et du Manuel des cartes aéronautiques (ICAO - Doc 8697). Les différences entre les Normes et Pratiques recommandées de l'OACI et la Réglementation nationale sont décrites en GEN 1.7.
3 The AIP structure and established regular amendment interval	**3 Structure de l'AIP et intervales réguliers de mise à jour**
3.1 The AIP structure	***3.1***
The AIP forms part of the Integrated Aeronautical Information Package, details of which are given in subsection GEN 3.1. The principal AIP structure is shown in graphic form in GEN 0.1 Figure 1.	
The AIP is made up of three Parts, General (GEN), En-route (ENR) and Aerodromes (AD), each divided into sections and subsections as applicable, containing various types of information subjects.	
3.1.1 Part 1 — General (GEN)	3.1.1
Part 1 consists of five sections containing information as briefly described hereafter.	
GEN 0 . — Preface; Record of AIP Amendments; Record of AIP Supplements; Checklist of AIP pages; List of hand amendments to the AIP; and the Table of Contents to Part 1.	
GEN 1 . — *National Regulations and Requirements* - Designated authorities; Entry, transit and departure of aircraft; Entry, transit and departure of passengers and crew; Entry, transit and departure of cargo; Aircraft instruments, equipment and flight documents; Summary of national regulations and international agreements/conventions; and Differences from ICAO Standards, Recommended Practices and Procedures.	
GEN 2 . — *Tables and Codes* - Measuring system, aircraft markings, holidays; Abbreviations used in AIS publications; Chart symbols; Location indicators; List of radio navigation aids; Conversion tables; and Sunrise/Sunset tables.	
GEN 3 . — Services - Aeronautical information services; Aeronautical charts; Air traffic services; Communication services; Meteorological services; and Search and rescue.	
GEN 4 . — *Charges for Aerodromes/Heliports and Air Navigation Services* - Aerodrome/heliport charges; and Air navigation services charges.	

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THANK YOU