



**AERONAUTICAL SERVICES ADVISORY
MEMORANDUM
(ASAM)**

Focal Point: Gen

ASAM.
No: 009
Issue 4
Date:19.02.18
Page 1 of 4

Title: Guidance Material on Aeronautical Information Regulation and Control (AIRAC)'s

1. INTRODUCTION

- 1.1. Aeronautical “environment” data is constantly changing. Airspace structures and routes are revised, navigation aids change, SIDs and STARs are amended, runway and taxiway information changes. It is essential, for both efficiency and safety, that Pilots, Air Traffic Controllers, Air Traffic Flow Managers, Flight Management Systems and Aviation Charts all have the same data set. This can only be achieved by AIRAC.
- 1.2. AIRAC stands for **Aeronautical Information Regulation And Control** and stems from the ICAO Annex 15 - Aeronautical Information Services (AIS) document. It defines a series of common dates and an associated standard aeronautical information publication procedure for States.
- 1.3. The AIS provider must publish aeronautical information and data according to the AIRAC effective dates.
- 1.4. Aeronautical data originators need to be aware of the AIS provider’s sign-off dates to meet each of the AIRAC effective dates. A table of associated dates are incorporated in this Memorandum.
- 1.5. The provision of Aeronautical Information Services in Ireland is subject to initial National Supervisory Authority (NSA) certification and ongoing oversight in accordance with EU Single European Sky Legislation.
- 1.6. Readers should forward advice of errors, inconsistencies, requests for further information or suggestions for improvement to this regulatory requirement to the ansdinfo@iaa.ie

2. REFERENCES

- 2.1. The operation and maintenance of AIS in Ireland is subject to a number of ICAO, EU and Irish Regulations, Standards and Recommended practices.
- 2.2. Relevant legislation includes:
 - 2.2.1. ICAO Annex 15 to the convention on International Civil Aviation, (Aeronautical Information Services).
 - 2.2.2. ICAO Doc 8126 - AIS Manual
 - 2.2.3. Commission Implementing Regulation (EU) No 1035/2011 of 17 October 2011 laying down common requirements for the provision of air navigation services and specific requirements for the provision of an aeronautical information service
- 2.3. ASAM No. 006 - Guidance Material on Aeronautical Information Publication (AIP) Change Request.

3. DETAIL

3.1. The need for control

- 3.1.1. The AIS provider shall publish under the AIRAC system the establishment, withdrawal of, and premeditated significant changes (including operational trials) to aeronautical information stipulated under ICAO Annex 15.
- 3.1.2. The information under the AIRAC system shall be published in paper copy form and shall be distributed at least 42 days in advance of the effective date with the objective of reaching recipients at least 28 days in advance of the effective date. The information published shall



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Page 2 of 4

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not be changed further for at least another 28 days after the effective date, unless the circumstance notified is of a temporary nature.

3.1.3. The AIS provider shall ensure that when updating contents covered by the AIRAC system on its aeronautical database, the effective date of data coincide with the established AIRAC effective date used for the publication of information in paper copy form.

3.2. Regulated system

3.2.1. An AIS provider must publish AIP Amendments, AIP Supplements and aeronautical charts in accordance with the international schedule of AIRAC effective dates. The aeronautical information and data to be notified by AIRAC is as set out in ICAO Annex 15.

3.2.2. Aeronautical information and data changes requiring AIRAC notification must be distributed so that recipients receive the AIP Amendments, AIP Supplements and aeronautical charts at least 28 days before the AIRAC effective date.

3.2.3. Aeronautical information and data changes which constitute a major change, as set out in ICAO Annex 15, must be distributed so that recipients receive the AIP Amendments, AIP Supplements and aeronautical charts at least 56 days before the AIRAC effective date.

3.2.4. Aeronautical information and data published under the AIRAC system must be identified by the acronym 'AIRAC'.

3.2.5. AIS must provide sign-off dates to aeronautical data originators of an AIP Amendment, AIP Supplement and aeronautical chart to ensure data changes reach AIS in sufficient time for each applicable AIRAC effective date.

3.3. Significant dates

3.3.1. There are two significant dates associated with the AIRAC system:

- Sign-off date
- The effective date

3.3.2. Sign-off dates: The date after which AIS will not accept any further changes to data. (Aircraft Flight Management Systems need the data often 20 days before the effective date to allow for the information re-coding, information uploading and distribution.)

3.3.3. The Effective Date: The date on which changes become operationally effective.

3.4. European AIS Database (EAD) System

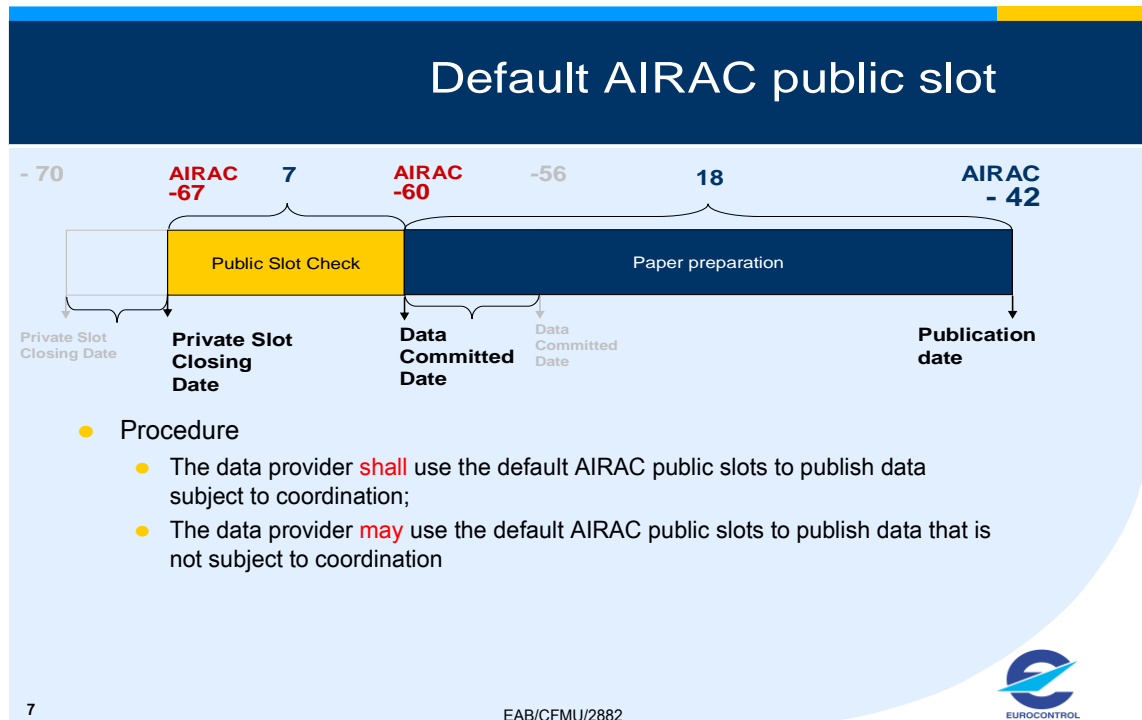
3.4.1. The sequence for EAD means of compliance with the AIRAC standards of ICAO Annex 15 is:

- Electronic data in AIXM format is entered in the Database prior to AIRAC minus 70 days.
- This data is checked and verified by the EAD System during the 7 day period between AIRAC minus 67 to AIRAC minus 60.
- Paper preparation begins following successful electronic data input at AIRAC minus 60.



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- Bulk printing and posting typically absorbs 7 to 10 days thus allowing approximately 8 days for initial paper preparation at AIRAC minus 60 to AIRAC minus 52.



3.4.2. The Irish State has chosen the EAD method of compliance as the acceptable means of compliance with the AIRAC Standards of ICAO Annex 15. Ireland has reported no differences to exist between the standards applicable within the Irish State and those of ICAO Annex 15.

3.5. Use of AIRAC system during holiday periods

3.5.1. ICAO Annex 15 – Chapter 6 is clear: "The use of the date in the AIRAC cycle which occurs between 21 December and 17 January inclusive should be avoided as an effective date for the introduction of significant changes under the AIRAC system".

3.5.2. ICAO Doc 8126 – Chapter 4, because of reduced staffing and increased postal delays, "it is recommended that the AIRAC cycle date occurring in the 28-day period from 21 December to 17 January (both dates included) no longer be used as an AIRAC effective date for the introduction of significant operational changes."



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Page 4 of 4

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3.6. Schedule of AIRAC Significant dates

Sign-off Date	Effective Date
16 August 2018	08 November 2018
13 September 2018	06 December 2018
11 October 2018	Blocked
08 November 2018	31 January 2019
06 December 2018	28 February 2019
03 January 2019	28 March 2019
31 January 2019	25 April 2019
28 February 2019	23 May 2019
28 March 2019	20 June 2019
25 April 2019	18 July 2019
23 May 2019	15 August 2019
20 June 2019	12 September 2019
18 July 2019	10 October 2019
15 August 2019	07 November 2019
12 September 2019	05 December 2019
10 October 2019	Blocked
07 November 2019	30 January 2020
05 December 2019	27 February 2020
02 January 2020	26 March 2020
30 January 2020	23 April 2020
27 February 2020	21 May 2020
26 March 2020	18 June 2020
23 April 2020	16 July 2020
21 May 2020	13 August 2020
18 June 2020	10 September 2020
16 July 2020	08 October 2020
13 August 2020	05 November 2020
10 September 2020	03 December 2020
08 October 2020	Blocked
05 November 2020	28 January 2021
03 December 2020	25 February 2021
31 December 2020	25 March 2021
28 January 2021	22 April 2021
25 February 2021	20 May 2021
25 March 2021	17 June 2021
22 April 2021	15 July 2021
20 May 2021	12 August 2021
17 June 2021	09 September 2021
15 July 2021	07 October 2021
12 August 2021	04 November 2021
09 September 2021	02 December 2021
07 October 2021	Blocked
04 November 2021	27 January 2022
02 December 2021	24 February 2022
30 December 2021	24 March 2022
27 January 2022	21 April 2022
24 February 2022	19 May 22
24 March 2022	16 June 22
21 April 2022	14 July 22
19 May 22	11 August 22
16 June 22	08 September 22