



International
Civil Aviation
Organization

Organisation
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Международная
организация
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Ref.: AN 2/12-18/73

9 July 2018

Subject: Approval of Amendment 33 to the PANS-ABC

Action required: a) Implementation of the amendment on 8 November 2018; b) Publication of any differences as of 8 November 2018

Sir/Madam,

1. I have the honour to inform you that the Air Navigation Commission, acting under delegated authority, on 16 May 2018, approved Amendment 33 to the ninth edition of the *Procedures for Air Navigation Services — ICAO Abbreviations and Codes* (PANS-ABC, Doc 8400) for applicability on 8 November 2018. The amendment was approved on 29 June 2018 by the President of the Council on behalf of the Council in accordance with established procedure. A copy of the amendment is available as attachments to the electronic version of this State letter on the ICAO-NET (<http://portal.icao.int>) where you can access all other relevant documentation.

2. Amendment 33 stems from proposals arising from the second meeting of the Meteorology Panel (METP/2) regarding consequential amendments concerning the provision of space weather information and consequential amendments related to changes of references as a result of the restructuring of Annex 15 and the proposed new *Procedures for Air Navigation Services — Aeronautical Information Management* (PANS-AIM, Doc 10066) arising from the twelfth meeting of the Aeronautical Information Service (AIS) Aeronautical Information Management (AIM) Study Group (AIS AIMSG/12).

3. An implementation task list, including an outline of guidance material, and an impact assessment for the amendment are presented in Attachments B and C, respectively.

4. Your Government is invited by the Council to implement the provisions of the PANS-ABC as amended. In this connection, I draw your attention to the decision taken by the Council, on 1 October 1973, to discontinue the publication of differences in Supplements to the PANS documents and, instead, to request States to publish up-to-date lists of significant differences from PANS documents in their Aeronautical Information Publications (AIPs).

5. May I, therefore, invite your Government to publish in your Aeronautical Information Publication a list of any significant differences which will exist on 8 November 2018 between the amended provisions of PANS-ABC and your national regulations and practices.

Accept, Sir/Madam, the assurances of my highest consideration.



Fang Liu
Secretary General

Enclosures:

- A — Amendment to the Foreword of the PANS-ABC
- B — Implementation task list and outline of guidance material in relation to Amendment 33 to the PANS-ABC
- C — Impact assessment in relation to Amendment 33 to the PANS-ABC

ATTACHMENT A to State letter AN 2/12-18/73

**AMENDMENT TO THE FOREWORD OF THE
PANS-ABC, NINTH EDITION**

Add the following at the end of Table A:

<i>Amendment</i>	<i>Source(s)</i>	<i>Subject</i>	<i>Approved Applicable</i>
33	Second meeting of the Meteorology Panel (METP/2) and the twelfth meeting of the Aeronautical Information Service (AIS) Aeronautical Information Management (AIM) Study Group (AIS-AIMSG/12)	a) provision of space weather information; and b) change of references concerning PANS-AIM.	29 June 2018 8 November 2018

ATTACHMENT B to State letter AN 2/12-18/73

**IMPLEMENTATION TASK LIST AND OUTLINE OF
GUIDANCE MATERIAL
IN RELATION TO AMENDMENT 33 TO THE PANS-ABC, DOC 8400**

1. IMPLEMENTATION TASK LIST

1.1 Essential steps to be followed by a State in order to implement the proposed amendment to PANS-ABC:

- a) conduct a gap analysis between the new ICAO provisions and national regulatory framework;
- b) identification of the rule-making process necessary to transpose the new ICAO provisions into national regulations, where necessary;
- c) drafting the necessary modifications to the national regulations;
- d) official adoption of the national regulations and means of compliance;
- e) establishment of a national implementation plan that takes into account the new ICAO provisions;
- f) training of relevant aerodrome personnel prior to implementation of the new provisions;
- g) implementation of the new national regulations by aerodrome operators;
- h) modification of oversight framework according to the new national regulations;
- i) oversight by the State of the implementation of the regulations; and
- j) publication of significant differences, if any, in the State's AIP.

2. STANDARDIZATION PROCESS

2.1 Approval date: 29 June 2018.

2.2 Applicability date: 8 November 2018.

3. SUPPORTING DOCUMENTATION

3.1 ICAO documentation

Title	Type (PANS/TI/Manual/Circ)	Planned publication date
<i>Manual on Aeronautical Meteorological Practice (Doc 8896)</i>	Manual	October 2018
<i>Manual on the Digital Exchange of Aeronautical Meteorological Information (Doc 10003)</i>	Manual	October 2018
<i>Manual on Space Weather Information in Support of International Air Navigation (Doc 10100)</i>	Manual	October 2018
<i>Procedures for Air Navigation Services — Aeronautical Information Management (PANS-AIM, Doc 10066)</i>	PANS	November 2018

3.2 External documentation

Title	External Organization	Publication date
<i>Manual on Codes (WMO-No. 306)</i>	WMO	May 2018
Supporting documentation to No. 306	WMO	May to July 2018

4. IMPLEMENTATION ASSISTANCE TASKS

Type	Global	Regional
Nil		

5. UNIVERSAL SAFETY OVERSIGHT AUDIT PROGRAMME (USOAP)

5.1 The content of this paper may require an amendment of the USOAP continuous monitoring approach (CMA) protocol questions in the area of air navigation services (ANS) to assess effective implementation by States. Existing protocol questions may need amendment or new protocol questions may be required. This will be assessed during the next amendment cycle of the protocol questions.

**IMPACT ASSESSMENT IN RELATION TO
AMENDMENT 33 TO THE PANS-ABC, DOC 8400**

1. INTRODUCTION

1.1 Amendment 33 to the PANS-ABC contains: a) consequential amendments introducing abbreviations relating to space weather events and space weather information providers; and b) consequential amendments related to changes of references as a result of the restructuring of Annex 15 and the proposed new PANS-AIM.

2. IMPACT ASSESSMENT

2.1 Consequential amendment concerning space weather information

2.1.1 *Safety impact:* The safety of aircraft operations is enhanced with access to improved information about space weather events that may affect communications, navigation and surveillance systems utilized by the aviation industry and will lead to improved decision-making, particularly in the planning phase, to mitigate the potential impacts of space weather events on aircraft operations.

2.1.2 *Financial impact:* None.

2.1.3 *Security impact:* None.

2.1.4 *Environmental impact:* None.

2.1.5 *Efficiency impact:* Improved information about space weather events will improve route selection and fuel-loading decisions and minimize the need for rerouting flights due to the potential impacts of space weather events.

2.1.6 *Expected implementation time:* The proposed applicability date is 8 November 2018.

2.2 Consequential amendment related to changes of references as a result of the restructuring of Annex 15 and the proposed new PANS-AIM

2.2.1 *Safety impact:* None.

2.2.2 *Financial impact:* None.

2.2.3 *Security impact:* None.

2.2.4 *Environmental impact:* None.

2.2.5 *Efficiency impact:* None.

2.2.6 *Expected implementation time:* 0 to 1 year.

AMENDMENT No. 33

TO THE

**PROCEDURES
FOR
AIR NAVIGATION SERVICES**

ICAO ABBREVIATIONS AND CODES

(Doc 8400)

INTERIM EDITION

The text of Amendment No. 33 to the PANS-ABC (Doc 8400) was approved by the President of the Council on behalf of the Council on **29 June 2018** for applicability on **8 November 2018**. This interim edition is distributed to facilitate implementation of the amendment by States. Replacement pages incorporating Amendment No. 33 are expected to be distributed in October 2018. (State letter AN 2/12-18/73 refers.)

JULY 2018

INTERNATIONAL CIVIL AVIATION ORGANIZATION

NOTES ON THE PRESENTATION OF THE AMENDMENT TO THE PANS-ABC

The text of the amendment is arranged to show deleted text with a line through it and new text highlighted with grey shading, as shown below:

~~Text to be deleted is shown with a line through it.~~

text to be deleted

New text to be inserted is highlighted with grey shading.

new text to be inserted

~~Text to be deleted is shown with a line through it~~ followed
by the replacement text which is highlighted with grey
shading.

new text to replace existing text

**TEXT OF AMENDMENT 33 TO THE
PROCEDURES FOR AIR NAVIGATION SERVICES**

**ICAO ABBREVIATIONS AND CODES
(PANS-ABC, DOC 8400)**

FOREWORD

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3. Specifications governing the use of abbreviations

Specifications governing the use of abbreviations and codes are contained in the following ICAO Annexes and PANS:

...

b) use of the NOTAM Code: 5.2.5 of Annex 15;

...

ABBREVIATIONS

DECODE

...

E		M	
...		...	
EOBT	Estimated off-block time	MM	Middle marker
EQN	Equatorial latitudes northern hemisphere	MNH	Middle latitudes northern hemisphere
EQPT	Equipment	MNM	Minimum
EQS	Equatorial latitudes southern hemisphere	...	
...		MSG	Message
H		MSH	Middle latitudes southern hemisphere
...		MSL	Mean sea level
HN	Sunset to sunrise	...	
HNH	High latitudes northern hemisphere	S	
HO	Service available to meet operational requirements	...	
...		SWB	South-westbound
HS	Service available during hours of scheduled operations	SWX	Space weather
HSH	High latitudes southern hemisphere	SWXC	Space weather centre
HUD	Head-up display	...	
...		...	

...

...

THE NOTAM CODE

PREFACE

(See 5-2.25.2.5.1.2 and Appendix 63 of Annex 15 PANS-AIM.)

1. Introduction

The NOTAM Code is provided to enable the coding of information regarding the establishment, condition or change of radio aids, aerodromes and lighting facilities, dangers to aircraft, or search and rescue facilities. The NOTAM Code is a comprehensive description of information contained in NOTAM. It serves as an important criterion for storage and retrieval of information, as well as for deciding whether an item is of operational significance or not. It also establishes the relevance of the NOTAM to the various types of flight operations and determines whether it must therefore be part of a pre-flight information bulletin. In addition, it assists in specifying those items which are subject to immediate notification processes. The NOTAM Code also standardizes the presentation of the related plain-language text required at Item E) of the NOTAM Format as contained in Appendix 63 of Annex 15 PANS-AIM. Thus, the NOTAM Code is the basis for determination of the qualifiers TRAFFIC, PURPOSE and SCOPE used in Q (Qualifiers) line and the related text to appear in Item E) of the NOTAM Format.

...

3. Composition

...

3.5 When a NOTAM is issued containing a checklist of valid NOTAM, use KKKK as the second, third, fourth and fifth letters. When a NOTAM containing operationally significant information is issued in accordance with Appendix 4 and Chapter 6 of Annex 15 and Chapter 6 of PANS-AIM and when it is used to announce the existence of AIRAC AIP amendments or supplements (trigger NOTAM), insert "TT" as the fourth and fifth letters.

...

4. Significations/uniform abbreviated phraseology

The significations/approved uniform abbreviated phraseology assigned to NOTAM Code groups, as required for use in Item E) of the NOTAM Format (~~Annex 15~~ PANS-AIM, Appendix 63), are to be amplified or completed where necessary by the addition of appropriate location indicators, name of station, geographical coordinates, abbreviations, frequencies, call signs, figures and plain language. ICAO abbreviations are to be used in preference to plain language wherever possible. In order to facilitate the dissemination of NOTAM by reducing the transmission time over telecommunication channels, eliminate translation and provide a suitable pre-flight information bulletin entry, the approved uniform abbreviated phraseology assigned to each signification of a two-letter combination in the NOTAM Code — Decode part is to be used in preference to significations wherever possible.

...

7. Use of NOTAM Code groups

7.1 Five-letter NOTAM Code groups are to be used in conjunction with the NOTAM Format (Annex 15, ~~5.2.1, 5.3.2~~ 5.4.2.2 and PANS-AIM, 5.2.5.1.1 and Appendix 63). They also constitute the basis for determination of the qualifiers Traffic, Purpose and Scope. Both NOTAM Code groups and NOTAM qualifiers are to be inserted in Q (Qualifiers) line of the NOTAM Format.

Note.— The most commonly used NOTAM Code groups and their respective relation with the qualifiers Traffic, Purpose and Scope are presented in the NOTAM Selection Criteria tables (Doc 8126 — Aeronautical Information Services Manual, Appendix B to Chapter 6).

7.2 Five-letter NOTAM Code groups are formed in the following manner:

...

Examples

Note.— In the examples of NOTAM below, the letters Q to G inclusive, each followed by a closing parenthesis, identify an item in the NOTAM Format (~~Annex 15~~ PANS-AIM, Appendix 63).

...

— END —