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INFORMATION PAPER

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Second NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/2)
Puntarenas, Costa Rica, 1 to 4 June 2015

Agenda Item 3: Global/Regional Air Navigation Developments
3.3 ICAO relevant Standards and Recommended Practices (SARPs) updates

DOC 9981 - PROCEDURES FOR NAVIGATION SERVICES – AERODROMES (PANS-AGA), FIRST EDITION

(Presented by the Secretariat)

EXECUTIVE SUMMARY

The following Information Paper makes reference to the approval of Doc 9981 - *Procedures for Navigation Services – Aerodromes (PANS-AGA), First edition* and the Proposal for Amendment 12 to Annex 14, Volume I.

Strategic Objectives:

- Safety
- Air Navigation Capacity and Efficiency

References:

- State Letter AN 4/25-15/33, 8 May 2015
- State Letter AN 4/1.1.53-13/81, 11 December 2013

1. Introduction

1.1 Reference is made to the development and final approval process of Doc 9981 - *Procedures for Navigation Services – Aerodromes (PANS-AGA), First edition*; on 4 June 2013, the Air Navigation Commission conducted a preliminary review of the proposals developed by the PANS Aerodromes Study Group (PASG) for the amendment 12 to Annex 14 – *Aerodromes – Volume I - Aerodrome Design and Operations* and examined the project of the PANS – AGA related documents proposed by the Study Group.

1.2 The origin of PANS - AGA comes from the need to elaborate procedures for aerodromes operational management, as a result of the difficulties that aerodromes currently face and are from operational nature, specifically, where is necessary to allocate bigger airplanes and/or where the aerodrome development is restricted. Also, the PANS-AGA document is complementary to the Standards and Recommended Practices (SARPs) contained in Annex 14, Volume I, where high-level requirements for aerodromes certification appear; however, operational procedures in relation with current aerodromes are not taken into account.

1.3 With the objective to guarantee safety and improve aerodromes operational efficiency, it is necessary to implement operational procedures that must be considered in the Aerodromes Certification Process.

2. Development

2.1 The PANS-Aerodromes specify, in greater detail than the SARPs, operational procedures to be applied by both aerodrome regulators and operators for initial aerodrome certification and continuing aerodrome safety oversight as well as aerodrome compatibility studies, in particular, where full compliance with the SARPs in Annex 14, Volume I, cannot be achieved.

2.2 Likewise, the PANS-AGA First edition is focused on critical areas identified by the Universal Safety Oversight Audit Programme (USAOP) in the domains of aerodromes certification, safety assessment and operational procedures at existing aerodromes. Furthermore, among important aspects, the document refers to the description of a methodology and procedure to evaluate the compatibility between aircraft operations and infrastructure and aerodrome operations when an aerodrome accommodates an aeroplane that exceeds the certificated characteristics of the aerodrome.

2.3 The Obstacle Limitation Surface (OLS) and general requirements for denoting obstacles described in Annex 14 do not provide the procedures of how to manage and control the aerodrome proximity obstacles. USOAP audits show that in many world's aerodromes does not exist procedures on how to inspect and detect obstacles in the proximity of aerodromes, where is necessary to control obstacles, coordinate with different stakeholders and find solutions foreseeing safety and efficiency.

3. Other amendments to the Annexes for 2014

3.1 Amendments are announced in the supplements to the Catalogue of ICAO Publications; the Catalogue and its supplements are available on the ICAO website at www.icao.int. The space below is provided to keep a record of such amendments.

3.2 A table that includes the reference of the amendments which were published in 2014 for the indicated annexes is presented as **Appendix**.

4. Conclusions

4.1 On 4 March 2015, the ICAO Council adopted Amendment 12 to SARPs to Annex 14 – *Aerodromes – Volume I - Aerodrome Design and Operations* to the International Civil Aviation Agreement.

4.2 Amendment 12 comes from the proposals prepared by the Secretariat, with PASG assistance and coordinated with the Aerodromes Panel (AP), in relation with the use of Doc 9981 - *Procedures for Navigation Services – Aerodromes (PANS-AGA)*, First Edition, which will become applicable by 10 November 2016, in order to allow member States adequate time to incorporate the PANS-AGA provisions contained in Amendment 12 to Annex 14, Vol. I.

**APPENDIX / APÉNDICE
AMENDMENTS / ENMIENDAS**

Amendments issued in 2014 Enmiendas publicadas en 2014		
Document Documento	Current Edition Edición Actual	Last Amendment Última Enmienda
Annex/Anexo 1	11 th . Edition/Edición	amend_172
Annex/Anexo 4	11 th . Edition/Edición	amend_58
Annex/Anexo 6 part 1	9 th . Edition/Edición	amend_38
Annex/Anexo 6 part 2	8 th . Edition/Edición	amend_33
Annex/Anexo 6 part 3	7 th . Edition/Edición	amend_19
Annex/Anexo 10 Vol. 1	6 th . Edition/Edición	amend_89
Annex/Anexo 10 Vol. 2	6 th . Edition/Edición	amend_89
Annex/Anexo 10 Vol. 4	5 th . Edition/Edición	amend_70 to 89
Annex/Anexo 14 Vol. 2	4 th . Edition/Edición	amend_06
Annex/Anexo 15	14 th . Edition/Edición	amend_38
Annex/Anexo 16 Vol. 1	7 th . Edition/Edición	amend_1 to 11B
Annex/Anexo 16 Vol. 2	3 th . Edition/Edición	amend_8
Annex/Anexo 17	9 th . Edition/Edición	amend_1 4

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