



INTERNATIONAL CIVIL AVIATION ORGANIZATION

**THE SECOND MEETING OF THE APANPIRG AERODROMES
OPERATIONS AND PLANNING – WORKING GROUP (AOP/WG/2)**

Yogyakarta, Indonesia, 3 – 5 June 2014

Agenda Item 4: Provision of AOP in the Asia/Pacific Region**AMENDMENT 11 TO ANNEX 14, VOLUME I —
AERODROME DESIGN AND OPERATIONS**

(Presented by the Secretariat)

SUMMARY

This Paper provides information on the new Amendment 11 to Annex 14, Volume I – *Aerodrome Design and Operations*. The Sixth Edition (July 2013) of Annex 14, Volume I – *Aerodrome Design and Operations* incorporates all amendments adopted by the Council prior to 28 February 2013 and supersedes on 14 November 2013 all previous editions of Annex 14, Volume I.

This paper relates to –

Strategic Objectives:

A: Safety – Enhance global civil aviation safety

B: Air Navigation Capacity and Efficiency – Increase Capacity and improve efficiency of the global civil aviation system

1. INTRODUCTION

1.1 The Amendment 11 to the Aerodromes – Aerodrome Design and Operations (Annex 14, Volume I to the Convention on International Civil Aviation) was adopted by the ICAO Council at the fifth meeting of its 198th Session on 27 February 2013. The Amendment and Resolution of adoption are available as attachments to the electronic version of State letter AN 4/1.2.24-13/20 dated 5 April 2013 on the ICAO NET (<http://portal.icao.int>).

1.2 Amendment 11(A) is applicable with effect from 14 November 2013 except for elements concerning new approach classification which will become applicable on 13 November 2014 (Amendment 11-B refers).

1.3 The Amendment 11 to Annex 14, Volume I stems from:

- i) recommendations of the second meeting of the Aerodromes Panel (AP/1);
- ii) consequential amendments of the proposed new Annex on safety management, Annex 19, based on recommendations of the Safety Management Panel (SMP) arising from its Special Meeting (SMP/SM/1);

- iii) proposals arising from the Secretariat with the assistance of the Aeronautical Information Services to Aeronautical Information Management Study Group (AIS-AIMSG), regarding the transition of AIS to AIM; and
- iv) proposals developed by the Secretariat and supported by the Approach Classification Task Force (ACTF) in coordination with the Aerodromes Panel (AP), the Instrument Flight Procedure Panel (IFPP), the Navigation Systems Panel (NSP) and the Operations Panel (OPSP), regarding new approach classification and the introduction of Approach Procedure with Vertical Guidance (APV) Operations.

2. DISCUSSION

2.1 Amendment 11 relating to the design and operations of aerodromes has the objective of enhancing aerodrome safety and efficiency in a globally harmonized manner and covers new and revised provisions on:

- i) maximum allowable tire pressure category in the reporting of strength of pavements in an effort to more efficiently utilize airfield pavements;
- ii) effective runway surface friction measurement and reporting for the reduction/prevention of runway excursions;
- iii) Runway End Safety Areas (RESA) and arresting systems to mitigate consequences of a runway overrun;
- iv) strength of blast pads to avoid engine ingestion of Foreign Object Debris (FOD) during take-off;
- v) visual aids for navigation, including simple touchdown zone lights to provide pilots with enhanced situational awareness for the prevention of runway excursions, and enhanced taxiway centre line marking, stop bars and Runway Guard Lights (RGLs) for the prevention of runway incursions;
- vi) Rescue and Firefighting (RFF), including the new and more efficient performance level “C” foam;
- vii) siting of equipment and installations on operational areas to allow the use of certain devices for aircraft safety purposes;
- viii) increased emphasis on aerodrome and pavement maintenance;
- ix) transfer of safety management provisions to Annex 19;
- x) aerodrome mapping Data and integrity classification; and
- xi) definitions of instrument and non-instrument runway.

2.2 The Sixth Edition (July 2013) of Annex 14, Volume I – Aerodrome Design and Operations incorporates all amendments adopted by the Council prior to 28 February 2013 and supersedes on 14 November 2013 all previous editions of Annex 14, Volume I.

3. ACTION BY THE MEETING

3.1 The Meeting is invited to note the information provided in this paper and urge States to incorporate Amendment 11 requirements in their national regulations and ensure implementation at their airports.

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