



AERONAUTICAL CIRCULAR CIVIL AVIATION AUTHORITY – MACAO, CHINA

SUBJECT:

Runway Overrun Awareness and Alerting System

EFFECTIVE DATE:

03 November 2022

CANCELLATION:

Nil.

GENERAL:

The President of Civil Aviation Authority, in exercise of his power under article 35 of the Statutes of Civil Aviation Authority approved by the Decree-Law 10/91/M and paragraph 89 of the Air Navigation Regulation of Macao (ANRM), established this Aeronautical Circular.

1. Introduction

- 1.1. Following the adoption of amendment 47 to Annex 6 Part I to the Convention on International Civil Aviation by the International Civil Aviation Organization (ICAO) updating the provision related to runway overrun awareness and alerting systems, this AC is published to effect promulgation of the relevant requirements.

2. Amendment to the ANRM

- 2.1. New provision is integrated into paragraph 4 of the Fifth Schedule to the ANRM:

4. TABLE OF AIRCRAFT EQUIPMENT

Aircraft and circumstances of flight	Scale of equipment required
(2) Aircraft flying for the purpose of commercial air transport category:	
(...)	(...)
Requirements for aeroplanes only (commercial air transport category)	
(k) all aeroplanes of maximum certificated take-off mass over 5,000kg	O, Q, HH and II
(...)	(...)

2.2. New provision is integrated into paragraph 5 of the Fifth Schedule to the ANRM:

Scale II.

All turbine-engined aeroplanes of a maximum certificated take-off mass in excess of 5,700 kg, for which the individual certificate of airworthiness is first issued on or after 1 January 2026, shall be equipped with a runway overrun awareness and alerting system (ROAAS).

Note: Guidance material for ROAAS design is contained in EUROCAE ED-250, Minimum Operation Performance Specification (MOPS) for Runway Overrun Awareness and Alerting System (ROAAS), or equivalent documents.

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