

Advisory Circular

PERFORMANCE SPECIFICATION OF A VISUAL SURVEILLANCE SYSTEM

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GENERAL

Advisory Circulars (ACs) are issued by the Director-General of Civil Aviation (DGCA) from time to time to provide practical guidance or certainty in respect of the statutory requirements for aviation safety. ACs contain information about standards, practices and procedures acceptable to CAAS. An AC may be used to demonstrate compliance with a statutory requirement. The revision number of the AC is indicated in parenthesis in the suffix of the AC number.

PURPOSE

This AC provides guidance to demonstrate compliance with, and information related to, requirements relating to the use of a visual surveillance system in the provision of aerodrome control services.

APPLICABILITY

This AC is applicable for the Air Navigation Services Provider (ANSP) operating in accordance with the Manual of Standards – Air Traffic Services (MOS-ATS).

RELATED REGULATIONS

This AC relates specifically to Paragraph 7.1.3A.1 of the MOS-ATS.

RELATED ADVISORY CIRCULARS

Not applicable.

CANCELLATION

Not applicable.

EFFECTIVE DATE

This AC is effective from 1 November 2019.

OTHER REFERENCES

- EUROCAE ED-240 – Minimum aviation system performance specification for remote tower optical systems

1 INTRODUCTION

- 1.1 This AC advises the ANSP on the acceptable means of compliance to paragraph 7.1.3A.1(a) of the MOS-ATS, that requires that the technical capabilities of the Visual Surveillance System (VSS) be capable of enabling the ANSP to provide aerodrome control services at a level that is commensurate with the traffic density and complexity at the aerodrome.

2 SYSTEM PERFORMANCE AND INTEROPERABILITY REQUIREMENTS

- 2.1 The ANSP may develop a VSS based on the latest system performance requirements, interoperability requirements and performance verification guidelines established by EUROCAE.
- 2.2 The ANSP should conduct performance verification to ensure that the VSS under development as of 1 November 2019 minimally achieves the system performance requirements and interoperability requirements described in the EUROCAE ED-240.
- 2.3 When introducing a VSS after 1 November 2019, or introducing an enhancement to an operational VSS, the ANSP should consult the ANS regulator on the specifications that may be applicable.

3 CONCLUSION

- 3.1 The ANSP should take the content of this AC into account in the use of a VSS in its provision of aerodrome control services.