

Advisory Circular

OPERATIONAL APPROVAL TO CONDUCT OPERATIONS IN NORTH ATLANTIC HIGH LEVEL AIRSPACE

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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, in accordance with section 3C of the Air Navigation Act (Cap. 6) (ANA), 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 the requirements regarding, and information related to an application for, an approval for specified navigation performance operations in accordance with ANR-98.

APPLICABILITY

This AC is applicable to the operator seeking an approval for NAT HLA operations.

RELATED REGULATIONS

This AC relates specifically to Division 2 in Part 2 of ANR-98.

RELATED ADVISORY CIRCULARS

- AC 98-1-1 Application for an Approval to Conduct a Special Operation
- AC 98-3-1 Reduced Vertical Separation Minima

CANCELLATION

This AC supersedes AC AOC-14.

EFFECTIVE DATE

This AC is effective from 1 October 2018.

OTHER REFERENCES

- ICAO Annex 2 Rules of the Air
- ICAO Doc 4444 Procedures for Air Navigation Services – Air Traffic Management
- ICAO Doc 7030 Regional Supplementary Procedures
- NAT Doc 007 V2018-1 North Atlantic Operations and Airspace Manual
- FAA Advisory Circular 90-105A Approval Guidance for RNP Operations and BaroVNAV in the U.S. National Airspace System and in Oceanic and Remote Continental Airspace.

1 OPERATIONS IN NORTH ATLANTIC HIGH LEVEL AIRSPACE (NAT HLA)

Note: North Atlantic HLA was previously known as an area with minimum navigation performance specification (MNPS).

- 1.1 To apply for the grant of operational approval to operate in NAT HLA, the operator has to address the following:
 - (a) Crew training and operating drills as described in the North Atlantic Operations and Airspace Manual;
 - (b) Equipment installation and procedures;
 - (c) Assurance that equipment redundancy satisfies Authority requirement; and
 - (d) Suitable use of equipment.
- 1.2 For NAT RVSM operations, both the operator and the aeroplane must be approved by CAAS for RVSM operation in accordance with Division 3 in Part 2 of ANR-98. The operator may refer AC 98-3-1 for RVSM operations.
- 1.3 The operator's NAT HLA operations policy/procedures must be consistent with ICAO documents "NAT Doc 007 North Atlantic Operations and Airspace Manual"

2 CONTINUOUS MONITORING

- 2.1 As required in Regulation 13 of ANR-98, the operator is to continuously monitor the navigational performance and should commence investigation whenever gross navigational error is greater than 10 NM.
- 2.2 A report should be made to the DGCA as soon as possible, preferably within 72 hours of occurrence, with initial results of the investigation and the corrective action taken or to be taken.

3 APPLICATION FOR APPROVAL

- 3.1 The operator should notify and engage CAAS as early as possible of his NAT HLA plan. Subject to completeness and timeliness of the submission, the approval process is expected to take 30 working days.
- 3.2 The standard 5-step application process (as described in AC 98-1-1) comprising pre-application meeting, formal submission of allocation package, evaluation/assessment of documents, proving flight/validation and final approval/rejection of application, applies.