

ADVISORY CIRCULAR

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Flight Validation Certificate	2016-09-01	172-03	1.0

NOTE: THIS ADVISORY CIRCULAR IS PUBLISHED TO PROVIDE REGULATORY INFORMATION AND DESCRIBE ACCEPTABLE MEANS OF COMPLIANCE WITH THE GENERAL AUTHORITY OF CIVIL AVIATION REGULATIONS (GACAR).

CHAPTER 1 – BACKGROUND

1.1 Purpose

This AC provides guidance and information to applicants for approval as a Flight Validation Organisation under GACAR Part 172.

An applicant for approval under GACAR Part 172 is required to supply sufficient information to GACA SS&AT to permit an application to be properly considered.

This AC sets out the information that will normally be expected to be provided in support of an application.

1.2 Applicability

This Advisory Circular is applicable to all aviation organisations required to obtain and maintain approval under the provisions of General Authority of Civil Aviation Regulations (GACAR) Part 170 and Part 172

1.3 Cancellation

This is the first official version of this Advisory Circular and it cancels no other Advisory Circulars.

1.4 Related Regulatory Provisions

GACAR Parts 1, 5, 7, 97, 170,172, 183 and 199.

1.5 Related Reading Material

- (a) Advisory Circular AC172-01;
- (b) ICAO Annexes 2, 4, 10, 11 and 15;
- (c) ICAO PANS-OPS Doc 8168 Volume II (Construction of Visual and Instrument Flight Procedures);
- (d) ICAO Template Manual for Holding, Reversal and Racetrack Procedures, (Doc 9371);
- (e) ICAO Required Navigation Performance Authorization Required Procedure Design Manual (Doc 9905)
- (f) ICAO Collision Risk Manual (CRM) (Doc 9274);
- (g) ICAO Quality Assurance Manual for Flight Procedure Design (Doc 9906):
 - (1) Volume 1 – Flight Procedure Design Quality Assurance System;
 - (2) Volume 2 – Flight Procedure Designer Training;
 - (3) Volume 3 – Flight Procedure Design Software Validation;
 - (4) Volume 4 – Flight Procedures Design Construction (to be developed);
 - (5) Volume 5 – Validation of Instrument Flight Procedures; and
 - (6) Volume 6 – Flight Validation Pilot Training and Evaluation;
- (h) ICAO Instrument Flight Procedures Construction Manual (Doc 9368);
- (i) ICAO Continuous Descent Manual of Procedure (Doc 9931);
- (j) ICAO Performance Based Navigation Manual (Doc 9613); and
- (k) ICAO Manual on All Weather Operations (Doc 9365).

1.6 Definitions of Terms Used in this Advisory Circular

Affected parties should refer to Subpart A of GACAR Part 1 for a full listing of defined terms used in the new GACAR and specifically those related to safety management. This Advisory Circular may introduce additional definitions to aid in a common understanding of the ideas presented in this document. In cases where the definitions in this document differ from an identical term defined in GACAR Part 1, the definition in GACAR Part 1 will prevail when interpreting regulatory requirements.

1.7 Approval

This Advisory Circular has been approved for publication by the Assistant President, Safety, Security and Air Transport (SS&AT) Sector of the General Authority of Civil Aviation.

CHAPTER 2 - APPROVAL AS A FLIGHT VALIDATION ORGANISATION

2.1 Information to be supplied

2.1.1 An applicant for approval must adequately address all relevant requirements of GACAR Part 172, and should specifically detail the manner in which the applicant will comply with those regulations.

2.1.2 An application shall include:

- a.Applicant's name;
- b.Applicant's place of business;
- c.Summary of relevant flight validation experience;
- d.Details of proposed flight validation aircraft;
- e.Details of validation flight crew qualifications;
- f.Outline of flight validation methodology (refer AC172-04);
- g.Sample of applicant's Flight Validation Report (refer AC172-04).

2.1.3 The application shall state the types of procedure(s) that the applicant proposes to validate. This should be supported by evidence of adequate validation experience on those procedure types.

Crew Requirements

2.1.4 Flight validation pilots must meet the requirements specified in GACAR Part 172 Appendix B, and in particular those relating to:

- a.Qualifications
- b.Training; and
- c.Experience

2.1.4 Where validations involve the use of rotorcraft, the requirements of GACAR Part 172 Appendix B sub-regulation (d) must be met.

Flight Validation Aircraft

2.1.6 Flight validation aircraft must be suitable for the planned flight validation operation. Guidance on acceptable aircraft for flight validation is contained in AC172-04.

2.2 Approval

2.2.1 If GACA SS&AT approves an application, the applicant will be advised in writing.

2.2.2 The approval is not transferable.

2.2.3 The approval will remain valid unless it expires, or is withdrawn by the President.

2.3 Rejection of Application

2.3.1 GACA SS&AT will notify the applicant in writing if an application is not approved. The advice will state the areas that have been assessed as unsatisfactory.

2.3.2 An unsuccessful applicant may re-apply if additional evidence can be provided to rectify any deficiency in the original application.