
ADVISORY CIRCULAR

Subject:	Date:	AC Number:	Version:
AERONAUTICAL SURVEY REQUIREMENTS	11/11/2021	175-03	1.0

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

1. Purpose

This Advisory Circular (AC) is the reference for guidance and information needed for Aerodrome/Heliport Operators, Aeronautical Surveyors and Aeronautical Information Management (AIM) regarding aerodrome/heliport and obstacle survey requirements.

Aeronautical Surveyors are engaged in the aeronautical data chain as an integral part of Aeronautical Information Management (AIM); therefore, the integrity of aeronautical data must be maintained throughout all the process from the point at which the need for a survey is identified to the point when it is available in accordance with the GACA Regulations (GACAR) and ICAO requirements.

It is essential that data provided by the Aeronautical Surveyors be at the required level of quality.

2. Scope

This AC is the reference for guidance and information required for Aerodrome/Heliport Operators and Aeronautical Surveyors regarding aerodrome/heliport and obstacle survey requirements based on the following condition of GACAR Part 175 and Part 139:

- (a) GACAR Part 175 §175.135: Surveyors and providers of electronic terrain and obstacle data for Areas 1, 2, 3 and 4 must be accepted by the President.
- (b) GACAR Part 139 § 139.425: The aerodrome operator will apply the aerodrome survey requirements as per AC 175-003.

3. Applicability

Guidance and information regarding aerodrome/heliport and obstacle survey requirements as well as acceptance of Aeronautical Surveyors are available in eBook Volume 8, Chapter 3, Section 3, which is applicable to all Aeronautical Surveyors and all operators of Certificated Aerodromes/Heliports. It also establishes the requirements to be met for conducting the following surveying activities:

- a. Obstacle Limitation Surfaces Survey.
- b. Electronic Terrain and Obstacle Data (eTOD) Survey.
- c. Aerodrome/Heliport Survey.
- d. Aerodrome Obstacles Chart Type A Survey.
- e. Precision Approach Terrain Chart Survey.
- f. Visual Approach chart Survey. and
- g. Any other type of survey required in the aviation industry within the KSA.

It also provides the following information:

- a. Survey procedures
- b. Deliverable Presentation
- c. Quality Assurance
- d. Application for Aeronautical Surveyor acceptance
- e. Survey declaration form
- f. Digital data specification
- g. eTOD database specification
- h. eTOD area 1 specification

The eBook Volume 8, Chapter 3, Section 3 is accessible on GACA website.

The term “Aeronautical Surveyors” stands for “Aerodrome/Heliport Surveyors and providers of electronic terrain and obstacle data (eTOD) for Areas 1, 2, 3, 4; obstacle and terrain data sets; obstacle and terrain in Take-off Flight Path Area and penetration of aerodrome/heliport Obstacle Limitation Surfaces (OLS)”.

Aeronautical Surveyors must apply for acceptance in the form and manner established by the President and listed in the eBook Volume 8, Chapter 3, Section 3.

4. Application for acceptance as Aeronautical Surveyor

Applicants must submit a formal request for acceptance to the President through the project holder by using the application form in Appendix A of eBook Volume 8, Chapter 3, Section 3 and must provide the necessary documentation as required.

5. Acceptance of Application

If GACA President accepts the appointment of Accountable Executive and Aeronautical Surveyors, the applicant will be advised in writing and will be issued a notice of acceptance of appointment through the project holder.

The acceptance is not transferable and is valid only for a specific project.

6. Rejection of Application

The GACA President will notify the applicant in writing through the project holder if an appointment is not accepted. The notification letter will state the qualification, experience, or knowledge areas that have been assessed as unsatisfactory.

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

7. Approval of AC

This Advisory Circular has been approved for publication by the Assistant President of Aviation Standards Sector of the General Authority of Civil Aviation (GACA).

8. Cancellation of AC

This is the first version of this Advisory Circular; therefore, it does not cancel any other Advisory Circulars.

This Advisory Circular must remain in force until cancelled, suspended or amended.