



MALDIVES CIVIL AVIATION AUTHORITY
Republic of Maldives

AIR SAFETY CIRCULAR
ASC I39-9

Procedure for the Reporting of Tall Structures

Initial Issue, 31 January 2014

1. PURPOSE

- 2.1 The purpose of this Air Safety Circular is to provide guidance to those authorities and persons involved in the planning, approval, erection, extension or dismantling of tall structures so that vital information about the tall structure is provided to this authority.
- 2.2 Information on tall structures is held centrally by the CAA and maintains a tall structure database. Information may also be provided to operators and to other aviation organisations so that they can be identified on aeronautical charts, etc.

2. BACKGROUND

- 2.1 The CAA has identified a need to have information on tall structures available for publication on aeronautical charts.
- 2.2 The CAA ANS & Aerodromes Section has been assigned the task of maintaining a database of tall structures, the top measurement of which is 30 metres or more above ground level (within 15 kilometres of an aerodrome).
- 2.3 The database of tall structures will generally capture more information than what is required to be reported by the regulations.

3. WHY REPORT TALL STRUCTURES

- 3.1 Inadvertent collision with tall structures is a significant cause of aircraft accidents involved in low level flying operations. The risk posed by a tall structure to aircraft safety can be minimised if information on the tall structure is conveyed to pilots so that they can fly at a safe margin above the structure.

3.2 Low level flying operations are typically conducted during:

- Approach, landing and take-off operations
- Specialist flying activities.
- Search and rescue operations
- Military low-level flying operations

3.3 Except for approach, landing and take-off operations (which are normally conducted in the vicinity of an aerodrome) low level operations can be conducted anywhere across Maldives (subject to regulatory conditions/limitations).

3.4 In addition to the safety of aircraft operations, an inadvertent collision with a tall structure poses a number of other risks:

- Business continuity if the services provided from the tall structure are unavailable e.g. Communications services
- Costs associated with the erection of a new structure
- Liability issues

3.5 In the event of an aircraft hitting a tall structure, the role of persons and/or organisations associated with the operation of the tall structure would be a matter for the courts.

4. MCAA REGULATIONS THAT APPLY TO TALL STRUCTURES

4.1 MCAR-139.413 requires the operator of an aerodrome to notify the CAA of any development or proposed construction in the vicinity of the aerodrome (normally 15km) that is likely to be a hazard to air navigation.

4.2 Under the CAA regulations, the operator of an aerodrome has to notify the CAA of any potential infringement to the prescribed airspace established for that particular aerodrome.

4.3 In areas remote from an aerodrome, MCAR 139.44 requires the owner of a structure (or proponents of a structure) that will be 110m or more above ground level to inform the CAA. This is to allow the CAA to assess the effect of the structure on aircraft operations and determine whether or not the structure will be hazardous to aircraft operations.

5. WHAT NEEDS TO BE REPORTED

5.1 Details should be provided on the construction, extension or dismantling of tall structures the top of which is 30 metres or more above ground level (within 15 kilometres of an aerodrome).

5.2 Information provided to the database should be accurate and readily interpreted. The “TALL STRUCTURE REPORT FORM” (Form No. MCAA/AD/04) has been designed to help owners and/or developers in this respect.

- 5.3 The information on all tall structures is held in a central database that is managed by the CAA.

6. HOW TO REPORT A TALL STRUCTURE

- 6.1 Information on tall structures and any queries in regard to the database should be directed to:

Chief Executive
Maldives Civil Aviation Authority
11th Floor, Velaanaage
Ameeru Ahmed Magu
Male' 20096
Republic of Maldives
Tel: (960) 3324992
Fax: (960) 3323039
Email: ans@caa.gov.mv

- 6.2 To assist all organisations to provide all of the necessary and complete information, use of the standard "Tall Structure Report Form" (Form No. CAA/AD/04) published on the CAA website is encouraged.

7. EFFECTIVITY

This Air Safety Circular becomes effective on 31 January 2014.

For the Civil Aviation Authority
Hussain Jaleel
Chief Executive