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The following circular is promulgated for information, guidance and necessary action

Hamza S. Johari
Director General

PROCEDURES FOR COMPATIBILITY STUDY TO ASSESS IMPACT OF NEW TYPE/MODEL OF AIRCRAFT TO THE AERODROME

This Aeronautical Information Circular (AIC) is issued to the Aerodrome operators in the United Republic of Tanzania on the procedures for assessment of the compatibility between Aeroplane operations and Aerodrome infrastructure and operations when an Aerodrome accommodates or plan to accommodate an Aeroplane that exceeds the certificated characteristics of the Aerodrome.

The Civil Aviation (Aerodrome) Regulations and Manual of Aerodrome Standards contains standards and specifications applicable to aerodromes, as well as certain facilities and technical services. To a great extent, the specifications for individual facilities have been interrelated by a reference code system as described in the regulations, in accordance with the characteristics of the Aircraft for which an aerodrome is intended. It is not intended that those specifications limit or regulate the operation of an aircraft.

Other matters related to the possible use of the Aerodrome by more demanding Aircraft and related applicable approvals are left to appropriate authorities to evaluate and take into account appropriate measures to be implemented as necessary for each particular Aerodrome in order to maintain an acceptable level of safety during operations. It is for this reason that Aerodrome operator are required to conduct compatibility study when encountering such a situation. A Compatibility study shall be undertaken by the Aerodrome operator to address the impact of introducing an Aircraft type/model new to the Aerodrome and may include one or several safety assessments such as Aeronautical Studies and Risk Assessment (ASRA) processes.

A compatibility study shall be performed collaboratively between affected stakeholders who include the Aerodrome operator, the Aircraft operator, Ground handling Agencies as well as the various Air Navigation Service providers (ANSPs).

The following steps describe the arrangement, to be appropriately documented, between the Aircraft operator and Aerodrome operator for the introduction of an Aircraft type/subtype new to the Aerodrome:

- a) the Aircraft operator submits a request to the Aerodrome operator to operate an Aircraft type/subtype new to the Aerodrome;
- b) the Aerodrome operator identifies possible means of accommodating the Aircraft type/subtype including access to movement areas and, if necessary, considers the feasibility and economic viability of upgrading the Aerodrome infrastructure; and

- c) the Aerodrome operator and Aircraft operator discuss the Aerodrome operator's assessment, and whether operations of the Aircraft type/subtype can be accommodated and, if permitted, under what conditions.

The following procedures shall be included in the Aerodrome compatibility study:

- a) identify the Aircraft's physical and operational characteristics;
- b) identify the applicable regulatory requirements or alternative means of compliance;
- c) establish the adequacy of the Aerodrome infrastructure and facilities vis-à-vis the requirements of the new aircraft;
- d) identify the changes required to the aerodrome;
- e) document the compatibility study; and
- f) perform the required safety assessments identified during the compatibility study.

The result of the compatibility study shall enable decisions to be made and should provide:

- a) the Aerodrome operator with the necessary information in order to make a decision on allowing the operation of the specific Aircraft at the given Aerodrome;
 - b) the Aerodrome operator with the necessary information in order to make a decision on the changes required to the Aerodrome infrastructure and facilities to ensure safe operations at the Aerodrome with due consideration to the harmonious future development of the Aerodrome; and
 - c) the State with the information which is necessary for its safety oversight and the continued monitoring of the conditions specified in the Aerodrome certification.
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