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

Charles M. Chacha
Ag. Director General

**AREA RADAR SERVICES WITH THE DAR ES SALAAM AREA CONTROL CENTRE
EASTERN SECTOR**

INTRODUCTION:

Area Radar Control Service was established since 15 February 2008. The services are provided to en- route controlled flights within part of the Upper airspace under the Dar es Salaam Area Control Centre – Eastern sector.

The Dar es Salaam en-route surveillance system is an integral part of the air traffic control system and provides radar services to aircraft to meet operational requirement to the maximum extent practicable.

The Radar system is equipped with Primary Surveillance Radar (PSR) and Monopulse Surveillance Radar (MSSR) equipment providing a plan position picture of aircraft within the area of coverage. The radar coverage range from DV VOR/DME is 180 nautical miles when flying at FL 250 to FL 330 and increases to 250 nautical miles when flying at above FL 330.

The Circular is intended to provide guidance to pilots on operating procedures as follows:

1. AREA OF OPERATION

Area Radar Control service is provided to flights above FL 245 within service range of the Radar equipment.

2. **RADAR SEPARATION STANDARDS**

The minimum horizontal radar separation shall be 10 nautical miles between any two identified aircraft based on secondary surveillance radar information; hence the mandatory need for carriage of suitable airborne transponders.

3. **SSR TRANSPONDERS**

SSR transponders shall be operated within the Dar es Salaam FIR in accordance with Tanzania Civil Aviation Regulations 2006. SSR Code Assignment will be as per Aeronautical Information Publication (AIP) ENR 1.6-7.

4. **FLIGHT ALONG ESTABLISHED ROUTES**

While pilots shall continue to plan their flights along established route structure, area radar controller may clear them to fly the most direct route between any two points whenever this is possible.

The overlap of Radar coverage between adjacent Area Control centers (i.e. Nairobi FIR) will be utilized/coordinated to ensure continuity of Radar service to Aircraft between Dar es Salaam ACC and Nairobi ACC.

5. **HOURS OF SERVICE AND RADIO FREQUENCY**

Hours of operation for the provision of Area Radar services shall be 24 HRS and upon request from the Pilot.

Air – ground radio frequency to be used is 123.3 MHz. The contact call-sign of the Area Radar Control Unit is “DAR AREA RADAR”. In subsequent communications, the call sign may be shortened to “RADAR”.

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