



SIERRA LEONE CIVIL AVIATION AUTHORITY

ADVISORY CIRCULAR

SLCAA-AC-ANS025-Rev. 00

EFFECTIVE DATE: 31st AUGUST 2021

Guidance for the development and review of Information on Air Traffic Services Requirements for Communications

A handwritten signature in blue ink, appearing to read 'M. Ban', is positioned to the left of the official seal.



Director General

Sierra Leone Civil Aviation Authority

1. GENERAL

The Sierra Leone Civil Aviation Authority's Advisory Circulars contains information about standards, practices and procedures that the Authority has found to be an Acceptable Means of Compliance (AMC) with the associated Regulations.

An AMC is not intended to be the only means of compliance with a Regulation, and consideration will be given to other methods of compliance that may be presented to the Authority

Information considered directive in nature is described in this AC in terms such as "shall" and "must", indicating the actions are mandatory. Guidance information is described in terms such as "should" and "may" indicating the actions are desirable or permissive, but not mandatory

1.1 Purpose

This guidance provides instruction on how to record voice and data in order to provide information for safety, accident and incident investigation.

1.2 Applicability

This AC is applicable to Air Navigation Service Providers (ANSPs) providing Air Traffic Services in Sierra Leone.

1.3 Description of Changes

This AC is the first to be issued on this subject

1.4 References

- (a) SLCAR Part 11- Air Traffic Services
- (b) SLCAR Part 10B- Communication Procedures Including those with Pans Status
- (c) SLCAR Part 10D- Surveillance and Collision Avoidance Systems

1.5 Cancelled Documents

Not Applicable

1.6 Abbreviations

The following abbreviations used in this document:

- AC - Advisory Circular
- ADSB – Automatic Dependent Surveillance Broadcast
- ATS - Air Traffic Services
- ANS - Air Navigation Service
- ANSP - Air Navigation Service Provider
- DME – Distance Measuring Equipment
- ILS - Instrument Landing System
- NDB – Non Directional Beacon
- SLCAA - Sierra Leone Civil Aviation Authority

SLCARs - Sierra Leone Civil Aviation Regulations

UTC – Universal Coordinate Time

VOR – VHF Omnidirectional Range

2. GUIDANCE

2.1 Aeronautical mobile service (air-ground communications)

21.1 Radiotelephony and/or data link shall be used in air-ground communications for air traffic services purposes.

2.1.2 RCP specification for performance-based communication, ATS units shall, be provided with communication equipment which will enable them to provide ATS in accordance with the prescribed RCP specification(s).

2.1.3 When direct pilot-controller two-way radiotelephony or data link communications are used for the provision of air traffic control service, recording facilities shall be provided on all such air-ground communication channels.

2.1.4 Recordings of communications channels shall be retained for a period of at least ninety days.

2.2 Aeronautical fixed service (ground-ground communications).

2.2.1 Air-ground communication facilities shall enable two-way communications to take place between a unit providing flight information service and appropriately equipped aircraft flying anywhere within the flight information region.

2.3 Air-ground communication facilities for flight information service should permit direct, rapid, continuous and static-free two-way communications.

(a) An area control centre shall have facilities for communications with the following units providing a service within its area of responsibility:

- (i) Adjacent Area (Approach) Control Center
- (ii) Approach Control Units;
- (iii) Aerodrome Control Towers;
- (iv) international NOTAM office serving the centre,
- (v) Metrological Office
- (vi) Communication Navigation And Surveillance Office
- (vii) Rescue Coordination Center
- (viii) Aircraft Operators

(b) An approach control units shall have facilities for communications with the following units providing a service within its area of responsibility:

- (i) Adjacent Area Control Center
- (ii) Aerodrome Control Towers;
- (iii) international NOTAM office serving the centre,
- (iv) Metrological Office
- (v) Communication Navigation And Surveillance Office

- (vi) Rescue Coordination Center
 - (vii) Aircraft Operators
 - (viii) Military units
- (c) An aerodrome control towers shall have facilities for communications with the following units providing a service within its area of responsibility:
- (i) Adjacent Area (Approach) Control Center
 - (ii) Approach Control Units;
 - (iii) international NOTAM office serving the centre,
 - (iv) Metrological Office
 - (v) Communication Navigation And Surveillance Office
 - (vi) Rescue Coordination Center
 - (vii) Aircraft Operators
 - (viii) Military units.

2.4 Surface movement control service

2.4.1 Communications for the control of vehicles other than aircraft on manoeuvring areas at controlled aerodromes.

- (a) With fire-fighting station
- (b) Marshaller
- (c) Person or vehicles to cross runway, taxiway

2.4.2 Where conditions warrant, separate communication channels shall be provided for the control of vehicles on the manoeuvring area. Automatic recording facilities shall be provided on all such channels.

2.5 Aeronautical radio navigation service

- (a) Automatic recording of surveillance data
- (b) Surveillance data from primary and secondary radar equipment or other systems (e.g. ADS-B, ADS-C), used as an aid to air traffic services, shall be automatically recorded for use in accident and incident investigations, search and rescue, air traffic control and surveillance systems evaluation and training.
- (c) Automatic recordings shall be retained for a period of at least thirty days. When the recordings are pertinent to accident and incident investigations, they shall be retained for longer periods until it is evident that they will no longer be required