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Document title Guidance for the development and review of the information on air traffic services requirements for communications.		Issue No. 1	Page No. Page 1 of 5

The Air Navigation Regulation Directorate has issued this guidance material to be used by ANSP to prepare procedure manuals and other working documents for implementation of ICAO SARPS and National Regulations.

It is important to note that this guidance material improve the safety of air navigation services within Ethiopian air space .


The Director General of Ethiopian Civil Aviation Authority has here by approved this guidance material on September 18,2017 to be used as a guidance to air navigation services provider..

Approved by



Date September, 2017 **Wossenyetsh Hunegnaw (Col.)**
Director General



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PURPOSE

- *This guidance provides instruction to develop and review the procedure for compliance with the Ethiopian Civil Aviation Rules and Standard PART-14 and requirement ECAA-ANR-AC-005 pertaining information on air traffic services requirements for communications.*

2. REFERENCE

2.1 Part -14


3. General

- 3.1 Aeronautical mobile service (air-ground communications)*
- 3.2 Aeronautical fixed service (ground-ground communications).*
- 3.3 Surface movement control service.*
- 3.4 Aeronautical radio navigation service.*

4. GUIDANCE

4.1 Aeronautical mobile service (air-ground communications)

- 4.1.1 Radiotelephony and/or data link shall be used in air-ground communications for air traffic services purposes.*
- 4.1.2 Where an RCP specification has been prescribed by ECAA 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).*
- 4.1.3 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.*

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4.1.4 Recordings of communications channels shall be retained for a period of at least thirty days.

4.2 Aeronautical fixed service (ground-ground communications).

4.2.1 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.

4.3 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:

- ✓ Adjacent Area (Approach) Control Center*
- ✓ Approach Control Units;*
- ✓ Aerodrome Control Towers;*
- ✓ international NOTAM office serving the centre,*
- ✓ Metrological Office*
- ✓ Communication Navigation And Surveillance Office*
- ✓ Rescue Coordination Center*
- ✓ Air Craft Operators*

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

- ✓ Adjacent Area Control Center*
- ✓ Aerodrome Control Towers;*
- ✓ international NOTAM office serving the centre,*
- ✓ Metrological Office*
- ✓ Communication Navigation And Surveillance Office*



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- ✓ *Rescue Coordination Center*
- ✓ *Air Craft Operators*
- ✓ *Military units*

c) *An aerodrome control towers shall have facilities for communications with the following units providing a service within its area of responsibility:*

- ✓ *Adjacent Area (Approach) Control Center*
- ✓ *Approach Control Units;*
- ✓ *international NOTAM office serving the centre,*
- ✓ *Metrological Office*
- ✓ *Communication Navigation And Surveillance Office*
- ✓ *Rescue Coordination Center*
- ✓ *Air Craft Operators*
- ✓ *Military units.*

4.4 *Surface movement control service.*

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

- ✓ *With fire fighting station*
- ✓ *Marshaler*
- ✓ *Person or vehicles to cross runway, taxiway ...*

4.4.2 *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.*

4.5 *Aeronautical radio navigation service.*

4.5.1 *Automatic recording of surveillance data*



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- 4.5.2 *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.*
- 4.5.3 *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.*