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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



Wossenyeteh Hunegnaw (Col.)
Director General





Company Name

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Ethiopian Civil Aviation Authority

Document No.

ECAA-ANR-AC-019

Document title

Guidance for the development of *training programme for ATS*
technical staff

Issue No.

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PURPOSE

This guidance provides instruction on the development and review of training programme for technical staff providing Air Traffic Services.

2. REFERENCE

2.1 ECARAS Part - 14;

2.2 ICAO PANS ATM DOC 4444

2.3 ICAO Doc 9426 – ATS Planning Manual part 4

3. GUIDANCE

3.1 FORMAL TRAINING

A curriculum for initial training of air traffic control (ATC) personnel may consist of the following:

3.1.1 Basic Air Traffic Control Course

- *Air Traffic Management*
- *International Civil Aviation Organization (ICAO)*
- *Rules of the Air*
 - *Aeronautical Information Service*
 - *Phraseology*
- *Aviation Meteorology*
- *Air Navigation*
- *Principle of Flight*
- *Safety Management System and Human Factor*
- *Aviation English*



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3.1.2 Aerodrome Control Service Course

- *Rules of the Air*
- *Aerodrome Control Service*
- *Phraseology and Coordination*
- *Aviation Meteorology*
- *Aerodrome Physical Surface and Characteristics*
- *Safety Management System*
- *Human Factor*

3.1.3 Approach procedural Course

- *Separation*
- *Flight procedure and Aeronautical Charts*
- *Emergency Procedure*
- *Meteorology*
- *Approach Control Service*

3.1.4 Area procedural Course

- Air space
- Aeronautical charts
- Radar aids and navigation system
- Aircraft performance
- Search and Rescue organization
- Separation

3.1.5 Approach Surveillance Course

- *General procedures on surveillance*



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- *Strip Marking*
- *Principles of Primary and Secondary Radar*
- *Principles of ADS-B*
- *Identification Procedures Primary, Secondary and ADS-B*
- *Vectoring*
- *Surveillance Separation*
- *Sequencing*
- *Coordination Procedures*
- *Abnormalities*

3.1.6 Area Surveillance Course

- *General procedures on surveillance*
- *Strip Marking*
- *Vectoring*
- *Surveillance Separation*
- *Sequencing*
- *Coordination Procedures*
- *Abnormalities*

3.2 On Job Training

- *On-the-job training is aimed at permitting the new employee to integrate his basic knowledge with actual practice. It should concentrate on specific local conditions and offer opportunities to perform the functions of each operating or duty position under actual conditions and with adequate supervision.*

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3.3 Proficiency checks

- *Proficiency checks are part of the process of assessing efficiency of personnel and should be conducted progressively throughout the year.*

3.4 Management and other advanced training

- *Management and other advanced training for ATS personnel are part of a continuing training system designed to prepare skilled personnel for higher level appointment.*