	Company Name የኢትዮጵያ ሲቪል አቪዬሽን ባለሥልጣን Ethiopian Civil Aviation Authority	Document No. ECAA-ANR-AC-040	
Document title Guidance for the Development and Review of Metrological Information		Issue No. 1	Page No. Page 1 of 4

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 የኢትዮጵያ ሲቪል አቪዬሽን ባለሥልጣን Ethiopian Civil Aviation Authority	Document No. ECAA-ANR-AC-040	
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1. Purpose

1.1 *This guidance provides instruction for the development and review of metrological information for Air Traffic Services (Aerodrome Control Tower, Approach Control Office, Area Control Centre and Flight Information Centre)*

2. Reference

2.1 *Doc 9377*

2.2 *Annex -03*

3. General

3.1 *Aerodrome control towers shall be equipped with surface wind display(s). The display(s) shall be related to the same location(s) of observation and be fed from the same sensor(s) as the corresponding display(s) in the meteorological station, where such a station exists.*


3.1 *Aerodrome control towers shall be supplied with information on wind shear which could adversely affect aircraft on the approach or take-off paths or during circling approach and aircraft on the runway during the landing roll or take-off run.*

3.2 *Flight information centres and area control centres shall be supplied with meteorological information.*

3.1 *Units providing approach control service, Flight information centres and area control centres shall be provided, at suitable intervals, with current pressure data for setting altimeters, for locations specified by the flight information centre or area control centre concerned.*

3.2 *Air traffic services units shall be supplied with up-to-date information on existing and forecast meteorological conditions as necessary for the performance of their respective functions. The information shall be supplied in such a form as to require a minimum of interpretation on the part of air traffic services personnel and with a frequency which satisfies the requirements of the air traffic services units concerned.*

3.3 *Units providing approach control service for final approach, landing and take-off shall be supplied with information on wind shear which could adversely affect aircraft on the approach or take-off paths or during circling approach.*

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4. Guidance

4.1 Information to be provided for Air Traffic Services Units 4.1.1 List of information for the Aerodrome Control Tower

- local routine and special reports, METAR and SPECI, TAF and trend forecasts and amendments thereto, for the aerodrome concerned;
- SIGMET and AIRMET information, wind shear warnings and alerts and aerodrome warnings;
- any additional meteorological information, such as forecasts of surface wind for the determination of possible runway changes;
- information received on volcanic ash cloud, for which a SIGMET has not already been issued; and
- Information received on pre-eruption volcanic activity and/or a volcanic eruption as agreed between the meteorological and ATS authorities concerned.

4.1.2 List of information for the Approach Control Unit

- local routine and special reports, METAR and SPECI, TAF and trend forecasts and amendments thereto, for the aerodrome(s) with which the approach control unit is concerned;
- SIGMET and AIRMET information, wind shear warnings and alerts and appropriate special air-reports for the airspace with which the approach control unit is concerned and aerodrome warnings;
- any additional meteorological information agreed
- information received on volcanic ash cloud, for which a SIGMET has not already been issued; and
- Information received on pre-eruption volcanic activity and/or a volcanic eruption.

4.1.3 List of information for the Area Control Centre

- METAR and SPECI, including current pressure data for aerodromes and other locations, TAF and trend forecasts and amendments thereto, covering the flight information region or the control area;



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- *forecasts of upper winds, upper-air temperatures and significant en-route weather phenomena and amendments thereto, particularly those which are likely to make operation under visual flight rules impracticable, SIGMET and AIRMET information and appropriate special air-reports for the flight information region or control area;*
- *any other meteorological information required by the flight information centre or area control centre to meet requests from aircraft in flight;*
- *information received on volcanic ash cloud;*
- *information received concerning the release of radioactive material into the atmosphere; and*
- *Information received on pre-eruption volcanic activity and/or a volcanic eruption.*

4.1.4 List of information for the Flight Information Centre

- *Where necessary for flight information purposes, current meteorological reports and forecasts shall be supplied to designated aeronautical telecommunication stations. A copy of such information shall be forwarded, if required, to the flight information centre or the area control centre.*