

Regional Training Centre

PRETORIA



Aviation Meteorological Observer

Based on the ICAO AMO competency criteria standards

This is an 8 week course which is sub-divided into three outcomes:-

- Theoretical knowledge
- Practical knowledge
- Both of the above leading to a compilation of a Portfolio of Evidence that is valid for a three year period.

Basic course structure

- * Aviation coding format—a look at all the components of the format
- * SPECI criteria— understanding and application
- * Cloud formation principles
- * Differentiation between different cloud genera in the low and middle levels
- * Precipitation types and associated clouds
- * Present weather principals

Pre-requisite requirement is a basic Meteorological background with English proficiency

CONTINUOUSLY MONITOR THE WEATHER SITUATION

- * Analyse the existing local weather conditions
- * Describe the existing local weather conditions

PERFORM AND RECORD ROUTINE AND NON-ROUTINE OBSERVATIONS

- * Surface wind direction and speed, including spatial and temporal variations
- * Visibility for aeronautical purposes, including spatial and temporal variations
- * RVR, including spatial and temporal variations
- * Significant weather phenomena (as defined in ICAO Annex 3)
- * Cloud amount, height of base, and type, including spatial and temporal variations
- * Vertical visibility
- * Temperature and humidity
- * Pressure; determining QFE and QNH
- * Supplementary information, wind shear and special weather phenomena
- * **Interpret** automatic observed parameters to ensure observations remain representative of local conditions when variations result from differences between automatic sensors and manual observing techniques.
- * Ensure that observations are prepared and issued in accordance with ICAO Annex 3, WMO-No.49, regional and national formats, codes and technical regulations on content, representativeness and timeliness.

Contact Details

REGIONAL TRAINING CENTRE

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RTC-PAM-007.1_AMO Pamphlet-Web

ENSURE THE QUALITY OF THE PERFORMANCE OF SYSTEMS AND METEOROLOGICAL INFORMATION

- * Apply the organization's quality management system and procedures
- * Check and confirm the quality of meteorological observations before issuance, including relevance of content, time of validity and location of phenomena
- * In accordance with prescribed procedures: identify errors and omissions in meteorological observations
- * In accordance with prescribed procedures: correct and report errors and omissions
- * In accordance with prescribed procedures: make and disseminate corrections in a timely manner

COMMUNICATE METEOROLOGICAL INFORMATION TO INTERNAL AND EXTERNAL USERS

- * Ensure that all observations are disseminated through the authorized communication means and channels to designated user groups.
- * Present aeronautical meteorological data and information in a clear and concise manner using suitable terminology
- * Alert forecasters to observed conditions or to imminent significant changes in the weather within the local area

When making enquiries regarding this course that is offered through the South African Weather Service, please quote the following reference number:-
RTC-AMO-2016