



Agenda Item 8: Implementation of MET quality system

IMPLEMENTATION STATUS OF MET QUALITY MANAGEMENT SYSTEM

(Presented by Peru)

Summary

This working paper presents information on the implementation status of the MET Quality Management System in the Aeronautical Meteorology Service of the Corporación Peruana de Aeropuertos y Aviación Comercial – CORPAC S.A. of Peru.

References

- Annex 3
- CAR/SAM Seminar on Quality Management and Cost Recovery of Aeronautical Meteorology Services, carried out in Santo Domingo – Dominican Republic, from 11 to 15 December 2006.

1. Introduction

1.1 In 2004, Annex 3 recommended that in order to satisfy the objective of meteorological service for international air navigation, contracting States should ensure that the designated meteorological authority establishes and applies a properly organized quality system that includes procedures and resources required to provide quality management of meteorological information. The established quality system should be in accordance with series 9000 quality assurance standards of the International Standards Organization (ISO) and should be certified by an approved organization.

1.2 In July 2005, the Implementation Plan for the Safety Management System (SMS) was approved for air navigation services by means of agreement N° 2-2033-2005 of the Board of Directors, including Air Traffic Control, Meteorology, Aeronautical Information and Aeronautical Fixed Communications services, with a structure based on Standard ISO 9001:2000.

1.3 From 11 to 15 December 2006, the CAR/SAM Seminar on Quality Management and Cost Recovery of Aeronautical Meteorology Services was carried out in Santo Domingo, Dominican

Republic; the representative of CORPAC S.A. presented the mandatory documented procedures of Standard ISO 9001:2000 and MET service operation procedures of the Lima airport, which were reviewed by CAR/SAM meteorologists through team workshops.

2. Discussion

Implementation Status of the MET Quality Management System

2.1 In the years 2005 to 2006, training in Quality Management of administrative and operational personnel of the Assistance and Support Units was initiated in coordination with the Civil Aviation Training Centre; as well, Internal Quality Auditors were trained for operational areas. An induction on the Safety System was made to all the staff of CORPAC S. A.

2.2 Based on the requirements of Standard ISO 9001:2000, the Air Navigation Services Process Chart was prepared, in which MET service process and other operational and support processes are part of CORPAC S.A. Air Navigation System.

2.3 Subsequently, in December 2006, documented procedures required by Standard ISO 9001:2000 were completed and approved: Control of SMS documents, Control of SMS registry, Internal Audit on SMS Operation and Follow up, Control and management of Services or non-SMS products and SMS Corrective and Preventive Actions; as well as the procedure Preparation and presentation of SMS documents, which were distributed at a national level for their application in operational areas.

2.4 In January 2007, the Peruvian aeronautical authority (Dirección General de Aeronáutica Civil) approved the first operational procedures of the Meteorology Area, as: Aeronautical Meteorological Information Service Procedure, Working Instructions on meteorological observations and reports at the International AD “Jorge Chávez” /Lima EMA, Working Instructions on Meteorological Forecasts of OMA/MWO Lima and Working Instructions on Aeronautical Climatology OMA Lima; once approved they were distributed to the points of use in charge of the Organization and Methods Office through controlled documents.

2.5 In the same year 2007, the Working Instructions on Meteorological observations and reports and on Meteorological Forecasts for the aerodromes of Cusco, Iquitos and Arequipa were approved. Then, the Working Instructions on Meteorological observations and reports for the aerodromes of Chiclayo and Pucallpa, which were distributed to those locations for their implementation.

2.6 On the other side, a Safety Incident Reporting System (SIRSO) was implemented at the Aeronautical Meteorological Stations and Aerodrome Meteorological Offices of Lima and Cusco, in order to report in an operational manner incidents affecting safety, addressed to the generation of statistics and search of quality objectives.

2.7 In the year 2008, the methodology for hazard identification and operational risk management in the MET service was initiated, addressed to the search of quality objectives, establishment of defences and risk mitigation.

Review of MET Operational Procedures

2.8 During the CAR/SAM Seminar on Quality Management and Cost Recovery of MET Services, carried out in Santo Domingo, from 11 to 13 December 2006, it was considered that the documentation presented by Peru could be used as a base to initiate the MET Quality Management

System implementation process in the CAR/SAM Regions. It was also recommended to separate the Working Instructions of the Aerodrome Meteorological Office and the Meteorological Watch Office.

2.9 In April 2008, revision 01 of the Working Instructions on Meteorological observations and reports at the Aeronautical Meteorological Station of Lima (EMA-Lima) and the Working Instructions of the Aerodrome Meteorological Office of the “Jorge Chávez” / OMA Lima International Airport. On the other hand, new instructions, Revision 00 “Working Instructions of the Meteorological Watch Office of the FIR Lima” were developed. All these documents were made available to the MET Area and are under the evaluation and approval process.

3. **Action by the meeting**

3.1 The meeting is invited to:

- a) take note of the contents of this working paper;
- b) consider the creation of a task force to develop a Guide of MET procedures, based on Standard ISO 9001:2000, for the CAR/SAM Regions.