

QUALITY MANAGEMENT SYSTEM OF SARAYKÖY NUCLEAR RESEARCH AND TRAINING CENTER

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Technical competence and national/international acceptance of independency of laboratories is ensured by going through accreditations. It provides decreasing the risk of a slowdown in international trade due to unnecessary repetition of testing and analyses. It also eliminates the cost of additional experiments and analyses.

Sarayköy Nuclear Research and Training Center (SANAEM) has performed intensive studies to establish an effective and well-functioning QMS (Quality Management System) by full accordance with the requirements of ISO/IEC 17025, since the beginning of 2006. Laboratories, especially serving to public health studies and important trade duties require urgent accreditation. In this regard, SANAEM has established a quality management system and performed accreditation studies.

SANAEM, applied for accreditation in 2007, has been accredited for total of 12 methods by Turkish Accreditation Agency (TÇRKAK) for testing services in the fields of radioactivity measurements in 2009. The scope extension has been done in 2010 for 2 testing methods. The 14 testing methods for obtaining accreditation are accomplished by TURKAK in 2013.

The fundamental mechanisms of the QMS for SANAEM include internal audits, management review meetings, control of nonconforming testing work, organization of preventive and corrective actions, handling of customer complaints and evaluation of customer feedbacks. All these activities performed for a continuous improvement both technically and as regards to QMS such as evaluation of quality objectives, revision of QMS documentation, organization and follow-up of the preventive, corrective actions and evaluation of efficiency of the training are dealt within the QMS hierarchy.

Quality policy of SANAEM is declared in the Quality Manual and is announced with the approval of the Center's Director. Each laboratory and relevant administrative unit defines clear and measurable quality objectives within the framework of the SANAEM's quality policy yearly. Quality Manual is supported by technical and administrative procedures, instructions and other related documents such as forms, lists etc. covering all the processes and activities at SANAEM

The Quality Management provides the documents relevant to all the staff of the Center accessible via SANAEM intra-network connection. In addition, specifically the division and laboratory documents are also accessible via intranet to the authorized staff.

The "Internal Audits", which is one of the fundamental mechanisms of the QMS, are not only used as a measure of evaluation of the effective implementation of QMS at SANAEM, but as a means to provide continuous improvement in our system with the consequent preventive and correction actions issued.

SANAEM top management periodically (once a year) conducts a review of the Center's QMS and testing activities to ensure their continuing suitability and effectiveness with respect to QMS and ISO/IEC 17025 and to introduce necessary changes or improvements in the QMS.

The effectiveness of the QMS has been improved via laboratories by carrying out their activities within the scope of the quality policy, planning and implementing their quality objectives, analyzing the internal and external audit results, implementing the corrective and preventive actions effectively, trainings, feedback information obtained from customers and through the management reviews.

Reference

ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories