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Procedure to improve the Quality Management System of the Chemical and Materials Analysis laboratories of CEADEN

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The present work presents a procedure designed for the improvement of the Quality Management System (QMS) implemented in the laboratories of Chemical Analysis and Materials of the CEADEN according to NC ISO / IEC 17025: 2006 in order to allow a stability in time of their status as accredited laboratories. In these laboratories, nuclear and complementary techniques are used in research and scientific and technical services related to the environment, food safety, nuclear safety and security of other technological facilities, among others.
Following a diagnosis of the QMS and identification of the main deficiencies of the last accreditation period, an improvement procedure based on the Plan-Do-Check-Act cycle (PDVA) is applied, which is a methodological tool that can be applied to other testing laboratories of this type that have the status of accredited or that claim to obtain it. Different techniques and tools are used such as expert method, cause - effect diagram, interrelations diagram, interviews, brainstorming, among others.

Authors: HERNÁNDEZ TORRES, Débora (Centro de Aplicaciones Tecnológicas y Desarrollo Nuclear (CEADEN)); ALBERRO MACÍAS, Nancy (Centro de Aplicaciones Tecnológicas y Desarrollo Nuclear (CEADEN)); LÓPEZ SÁNCHEZ, Diana R. (Centro de Aplicaciones Tecnológicas y Desarrollo Nuclear (CEADEN)); HERRERA PALMA, Victoria (Centro de Aplicaciones Tecnológicas y Desarrollo Nuclear (CEADEN)); SENDOYA PUENTE, Félix A. (Centro de Aplicaciones Tecnológicas y Desarrollo Nuclear (CEADEN)); LEAL ACOSTA, Leydis (Centro de Aplicaciones Tecnológicas y Desarrollo Nuclear (CEADEN)); GONZÁLEZ GONZÁLEZ, Aleida (Instituto Superior Politécnico ¨ José Antonio Echeverría¨ (CUJAE). La Habana, Cuba)

Presenter: HERNÁNDEZ TORRES, Débora (Centro de Aplicaciones Tecnológicas y Desarrollo Nuclear (CEADEN))

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