

ISO/ISME national seminar

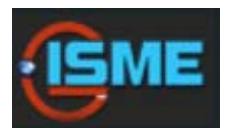
Energy Management and ISO 50001

13-14 June 2013

Podgorica, Montenegro



International
Organization for
Standardization



Background

Increasing energy costs and price volatility combined with growing constraints on energy supplies and distribution networks amplifies the risks associated with energy. At the same time, the importance of energy efficiency and energy performance and renewable energy resources as mechanisms for reducing environmental impacts warrants more sophisticated approaches to energy management. Organizations recognizing the importance of energy to the long-term viability of the business can use standards to manage and control both energy consumption and cost in a practical way. Implementing such standards is key to achieving maximum benefit from process improvements, operational and maintenance changes, and advanced energy efficiency technology.

In view of strong international interest and its potential impact on industrial energy efficiency worldwide, UNIDO, in July 2007, launched an initiative to support the development of an international energy management standard. Specifically, the initiative supports the ISO standard development process by raising awareness and ensuring that the issues and barriers facing policy makers, industry, and other concerned stakeholders in developing countries are taken into due consideration in the ISO process. In February 2008, the Technical Management Board of ISO approved the establishment of a new project committee (PC 242 – Energy Management) to develop the new ISO Management System Standard for Energy ISO 50001. The Secretariat of PC 242 has been assigned to the partnership of the American National Standards Institute (ANSI) and the Brazilian Association for Standardization (ABNT). As of September 2011, ISO PC 242 includes 49 member countries, and 17 observer countries. ISO 50001 Energy management systems — Requirements with guidance for use was finally published on 15 June 2011.

Awareness is key to increased engagement of policy-makers, standards authorities and prospective standard users in the ongoing ISO process and in the development of national complementary policies to support the adoption of ISO 50001 and consequent increased provision of energy efficiency products and services. The continual effort of UNIDO and ISO, in collaboration with national and regional partners, to raise awareness on the future standard is not only desirable but needed, as pointed out by the ISO DEVCO discussion group session held in Dubai in October 2008 and more recently during the 4th Meeting of ISO/PC 242, Beijing, China on 22 October 2010. The seminar is organized jointly with the Institute for Standardization of Montenegro (ISME) with the generous financial contribution of the Swedish International Development Cooperation Agency (SIDA).

Seminar objectives

The regional seminar is organized with the following objectives:

- To raise awareness and understanding among authorities and industry in Montenegro about energy management and energy efficiency standards, business opportunities, existing best practices, implications and potential impact of the ISO 50001 Energy Management standard
- To inform about the requirements of the ISO 50001 standard
- To provide a platform for specialists from industry, government and academia in the region to share experiences and discuss issues related to the implementation of energy management and the ISO 50001 standard.

Instructors / international speakers:

Mr. Rainer Stifter, General Director, Energon, Austria

Mrs. Jelena Jovanović, Associate Professor, University of Montenegro

Ms Lucija Rakocevic, Adviser at the Energy Sector, Ministry of Economy of Montenegro

Programme

13 June 2013

08:30-09:00 **Registration**

09:00-09:15 **Session 1: Opening & welcoming ceremony**
ISME

09:15-10:30 **Session 2**

1. Overview of energy concerns and links to climate change
2. Introduction to Energy Management

10:30-10:50 *Morning break*

10:50-12:45 **Session 3**

1. Interactive exercise – Challenges and barriers for industry
2. Overview of energy efficiency in the country and region
Local speaker
3. Overview and structure of an Energy Management System (EnMS) – 6 key concepts

12:30-13:45 *Lunch break*

13:45-15:00 **Session 4**

1. Interactive exercise: Management commitment
2. Update on energy management standards from ISO 50001 to TC242
3. Case study: EnMS implementation in a paper mill

15:00-15:20 *Afternoon break*

15:20-17:00 **Session 5**

1. EnMS development project plan
2. Experience on the implementation of management systems and ISO 50001 potential
Local speaker - Company
3. Case study
Rainer Stifter
4. How ISO 50001 relates to ISO 9001 and ISO 14001

17:00 **End of day 1**



14 June 2013

09:00-10:30 **Session 6**

1. The big challenge – Behavioural change
2. Management commitment and policy
3. Energy Planning

10:30-10:50 *Morning break*

10:50-12:45 **Session 7**

1. Implementation and operation
2. Case study: EnMS
3. Checking

12:45-14:00 *Lunch*

14:00-15:20 **Session 8**

1. Interactive exercise: Energy Planning
2. Management review
3. Monitoring and measuring

15:20-15:40 *Afternoon break*

15:40-17:00 **Session 9**

1. Energy metrics – demo and discussion
2. Certification and accreditation
3. Questions & answers
4. Certificates

17:00 **End of day 2**