Configuration Management Program – a part of Integrated Management System

The recently issued International Atomic Energy Agency (IAEA) publications (GS-R-3, GS-G-3.1 and GS-G-3.5) regarding Management Systems for Facilities and Activities define requirements for creation, introduction, evaluation and continuously improvement of the Management System, which unifies the safety, health, environment, security, quality and economic elements. According to GS-R-3 the Integrated Management System is based on defined processes identified in the enterprises: Managing, Basic and Supporting processes.

At implementation of their activities, the organizations often apply other standards in their interrelations with suppliers and the parties concerned – ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007, regarding quality, environment and occupational health and safety management. The integration of the standards of both series ensure the observance of the common management principles that reflect the best practices of management as leadership, participation of the people, process approach, continuously improvement, systematical approach to the management and approach based on facts used at the making decisions. The main objective of the Integrated Management System introduction is to ensure safety considering the influence of all additional impacts taken together.

The Integrated Management System is based on the process approach at implementation of the activities in nuclear power plant. The transition to the process oriented approach require long period of time, during which the distribution of the responsibilities is optimized up to the level that will satisfy the requirements, reach and maintain the stipulated objectives.

The Configuration Management (CM) is an integrated management process by means of which conformity between design requirements, physical configuration and the plant documentation is ascertained and maintained during the entire life cycle of the facility. Processes within configuration management are not isolated, but are part of the Integrated Management System.

CM ensures that during the entire operational life of the plant the following requirements are met:

- The basic design requirements of the plant are established, documented and maintained;
- The physical structures, systems and components (SSCs) of the plant are in conformity with the design requirements;
- The physical and functional characteristics of the plant are correctly incorporated in the operational and maintenance documentation, as well as in the documents for testing and training;

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