

Practice of Quality Assurance for Nuclear Power Research Project Base on Merging Quality Management System

Xu Jiangming,^{1,} Jia Weijiang,²*

*¹Nuclear Power Institute of China, No.328, 1st Section, Chang Shun Avenue, Shuangliu,
Chengdu, China*

*²Nuclear Power Institute of China, No.328, 1st Section, Chang Shun Avenue, Shuangliu,
Chengdu, China*

For quality management of nuclear power scientific research project in Nuclear Power Institute of China, a quality management system into which ISO 9001 and HAF 003 nuclear safety regulation merged was established and implemented in accordance with the scientific research characteristics and engineering requirements. The quality management system defines the requirements on allocation of resources requirements of resources, the effective methods and guidelines of the process control, quality assurance classification for the items and services of nuclear power scientific research projects. During the implementation of quality assurance for nuclear power scientific research project, the system embodied the features of attaching importance to human factor, emphasis on human factors, attention to process control, emphasizing classification for quality control. The establishment and application of the system not only gave consideration to both nuclear safety and expectations of quality from customer, but also introduced quality management at the same level of the control as nuclear power engineering project while the requirement for unleashing creativity and exploratory in scientific research was satisfied. Furthermore, the seamless connection on quality management of scientific research and engineering can be achieved, and the smooth transition from scientific research projects to engineering can be promoted.