

# Design and Implementation of the Industrial Enterprise Quality Management System

**E.E. Istomina<sup>1</sup>**, Pedagogical Institute of Irkutsk State University, Dr., gamlet421@yandex.ru

**M.N. Kuranov<sup>2</sup>**, Institute of Professional Education, persepolis-km@yandex.ru

<sup>1</sup> Associate Professor, Irkutsk, Russia

<sup>2</sup> Student, Moscow, Russia

**Citation:** Istomina E.E., Kuranov M.N. Design and Implementation of the Industrial Enterprise Quality Management System, *Kompetentnost' / Competency (Russia)*, 2019, no. 8, pp. 40–46

## key words

design and implementation,  
PPU-product, Lean production,  
network planning, schedule,  
SWOT-analysis

We examined the design and implementation of a quality management system in a specific Irkutsk company — Siberian factory of thermal insulation. The subject of the study was the modeling of design processes and the implementation of the quality management system of an industrial enterprise.

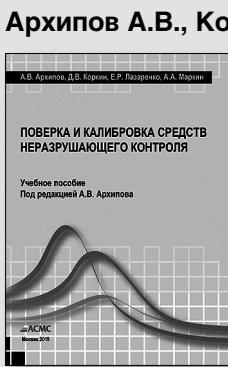
During the study, we used regulatory documents for quality management GOST R ISO 9001 and the principles of Lean production — six sigma.

We have formed and studied the diagram of changes processes, a network schedule and a schedule, the distribution of roles and responsibilities in the design and implementation process. QMS design and implementation processes in the field of design, products production and management of reporting documents were described. Performance indicators were shown while the results of the study.

## References

1. Gerasimov B.I. Upravlenie kachestvom: proektirovanie [Quality Management: Design], Moscow, FORUM, 2013, 176 P.
2. Watson G. Metodologiya Shest' sigm dlya liderov, ili Kak dostich' 3,4 defektov na million vozmozhnostey. Pod nauch. red. Yu.P. Adlera [Six Sigma Methodology for Leaders, or How to Reach 3.4 Defects per Million Opportunities], Moscow, Standarty i kachestvo, 2016, pp. 17–18.
3. GOST R ISO 9001–2015 Quality management systems. Requirements.
4. Istomina E.E., Kuranov M.N. Upravlenie kachestvom pri proektirovaniyu izdeliy PMK Sibirskaya fabrika teplovoy izolyatsii [Quality management in the design of products LLC PMK Siberian factory of thermal insulation], XXXVII Mezhdunarodnye nauchnye chteniya (pamyati A.D. Sakharova), Sbornik statey, Moscow, EFIR, 2018, pp. 21–24.
5. Istomina E.E. Ob upravlenii kachestvom pri proektirovaniyu i razrabotke izdeliya iz penopoliuretana [Quality Management in Design and Development of Polyurethane Foam Beehive], *Kompetentnost' / Competency (Russia)*, 2019, no. 5, pp. 46–48.

## НОВАЯ КНИГА



### Архипов А.В., Коркин Д.В., Лазаренко Е.Р., Маркин А.А. Проверка и калибровка средств неразрушающего контроля

Учебное пособие. — М.: ACMC, 2019

Проблемам обеспечения единства измерений в области неразрушающего контроля (НК) уделяется недостаточно внимания.

Учебное пособие посвящено вопросам поверки и калибровки средств неразрушающего контроля. Рассмотрены современная нормативно-техническая документация, терминология, классификация, принципы действия, технические требования, метрологические характеристики, поверка и калибровка средств НК.

Пособие предназначено для слушателей, обучающихся по программе «Проверка и калибровка средств неразрушающего контроля».

**По вопросам приобретения обращайтесь по адресу:** Академия стандартизации, метрологии и сертификации (ACMC), 109443, Москва, Волгоградский пр-т, 90, корп. 1. Тел. / факс: 8 (499) 742 4643. Факс: 8 (499) 742 5241. E-mail: info@asms.ru