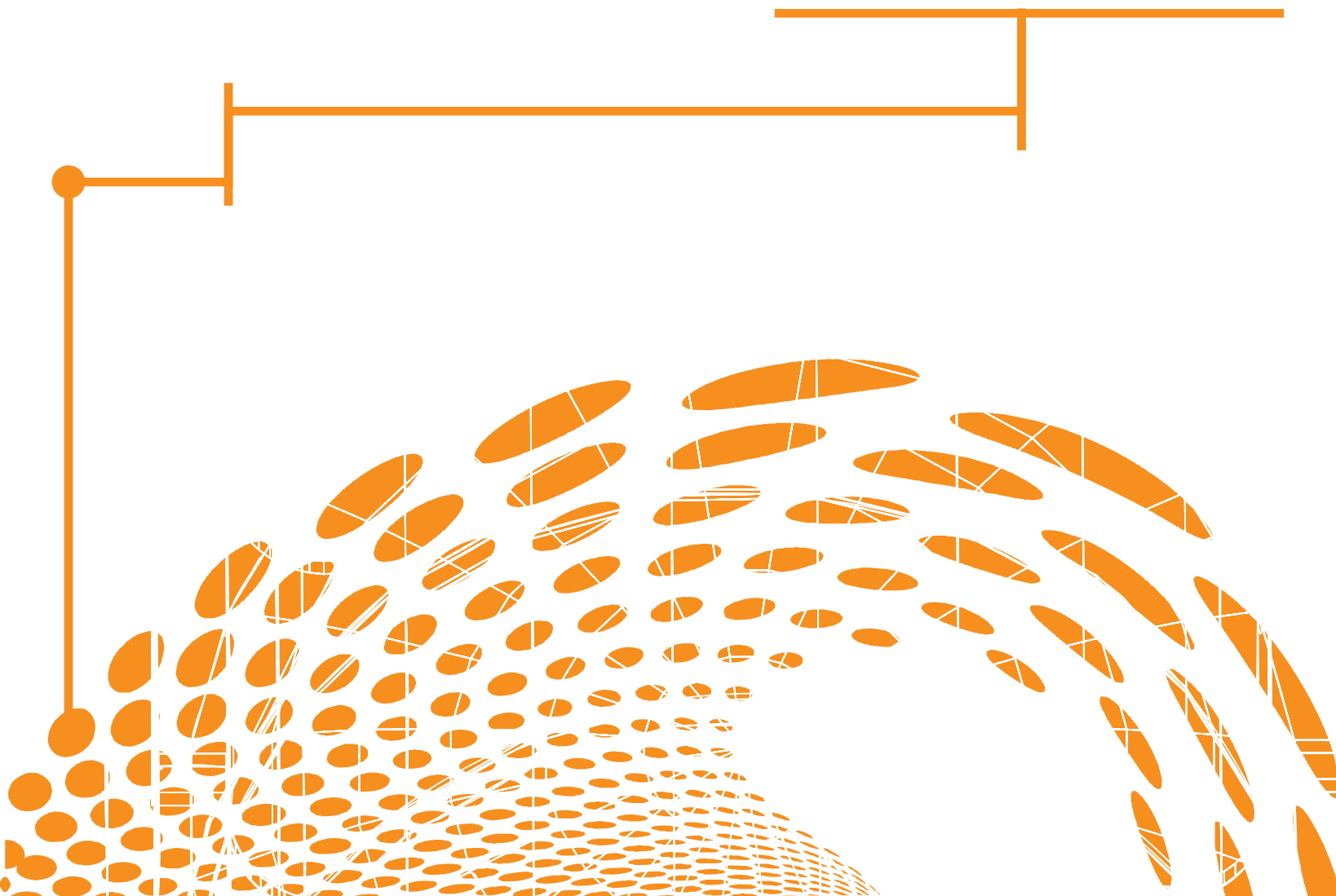




# COMPREHENSIVE EVALUATION OF THE NSQ-100 NUCLEAR SAFETY AND QUALITY MANAGEMENT SYSTEM REQUIREMENTS



STP-NU-061-1

**COMPREHENSIVE  
EVALUATION OF THE  
NSQ-100 NUCLEAR SAFETY  
AND QUALITY  
MANAGEMENT SYSTEM  
REQUIREMENTS**

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**Summary of Changes  
June 2015**

# **STP-NU-061-1**

## **COMPREHENSIVE EVALUATION OF THE NSQ-100 NUCLEAR SAFETY AND QUALITY MANAGEMENT SYSTEM REQUIREMENTS OF ASME NQA-1**

The following changes have been made to the first revision of STP-NU-061.

### **Annex A**

**ASME NQA-1–2012**

**General change to all 18 NQA sections lead pages, from “100 Basic” to “100 General”**

- |            |  |
|------------|--|
| Page 13    | Requirement 1, 201 General (c) quality achievement is verified by those not directly responsible for performing the work   |
| Page 15-20 | Requirement 2, 100 General deletion of “The program shall identify the activities and items to which it applies.”  |
| Page 24    | Requirement 3 revise first paragraph “The design shall be defined, controlled, and verified.”  |
| Page 30    | Requirement 3 500 Design Verification, revise and add to (a) paragraph “This verification may be performed by the originator’s supervisor, provided (1) the supervisor did not specify a singular design approach or rule out certain design considerations and did not establish the design inputs used in the design; or (2) the supervisor is the only individual in the organization competent to perform the verification. Cursory supervisory reviews do not satisfy the intent of this Standard.” |
| Page 62    | Requirement 12 303 Control delete paragraph “Methods and frequency of checking accuracy shall be defined in procedures.”   |

### **Annex B**

**ASME NQA-1 2012**

**General change to all 18 NQA sections lead pages, from “100 Basic” to “100 General”**

- Page 82 Requirement 1, 201 General (c) quality achievement is verified by those not directly responsible for performing the work
- Page 84 Requirement 2, 100 General deletion of “The program shall identify the activities and items to which it applies.”
- Page 92 Requirement 3 100 General revise first paragraph “The design shall be defined, controlled, and verified.”
- Page 98 Requirement 3 500 Design Verification, revise and add to (a) paragraph “This verification may be performed by the originator’s supervisor, provided (1) the supervisor did not specify a singular design approach or rule out certain design considerations and did not establish the design inputs used in the design; or (2) the supervisor is the only individual in the organization competent to perform the verification. Cursory supervisory reviews do not satisfy the intent of this Standard.”

## **Annex C**

### **ASME Section III**

- Page 149-150 NCA-4134.2 Subparagraph (c) revised
- Page 189-190 NCA-4134.6 revised
- Page 232 NCA-4134.17 New subpara. (e) added; former subpara. (e) redesignated as (f)

### **ASME NQA-1 2012**

#### **General change to all 18 NQA sections lead pages, from “100 Basic” to “100 General”**

- Page 147 Requirement 1, 201 General (c) quality achievement is verified by those not directly responsible for performing the work
- Page 149-152 Requirement 2, 100 General deletion of “The program shall identify the activities and items to which it applies.”
- Page 162 Requirement 3 100 General revise first paragraph “The design shall be defined, controlled, and verified.”
- Page 169 Requirement 3 500 Design Verification, revise and add to (a) paragraph “This verification may be performed by the originator’s supervisor, provided (1) the supervisor did not specify a singular design approach or rule out certain design considerations and did not establish the design inputs used in the design; or (2) the supervisor is the only individual in the organization competent to perform the verification. Cursory supervisory reviews do not satisfy the intent of this Standard.”
- Page 219 Requirement 12 303 Control delete paragraph “Methods and frequency of checking accuracy shall be defined in procedures.”
- Page 229 Requirement 17, SubSection 100 General delete 4<sup>th</sup> paragraph “The term records, used throughout this section, is to be interpreted as quality assurance records”

## **Annex D**

### **ASME Section III NCA 2013, Subsections 3850**

Page 245 NCA-3853.1 Subparagraph (d)

Page 250 NCA-3853.3 First sentence revised

Page 251-252 NCA-3855.5 (1) Subparagraphs (a), (a)(1), and (a)(3) revised; New subpara. (a)(4) added and subsequent subparagraph redesignated

Page 256-257 NCA-3856.3 Subparagraphs (c) and (e) revised

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## **FOREWORD**

This technical report was developed to comprehensively evaluate the NSQ-100 document and its related guidance documents against the corresponding ASME products. Comparisons were made of the various corresponding documents of ASME and the Nuclear Quality Standard Association (NQSA). The report discusses the competitive strengths and weaknesses of the NSQ-100 products compared to the corresponding ASME products.

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