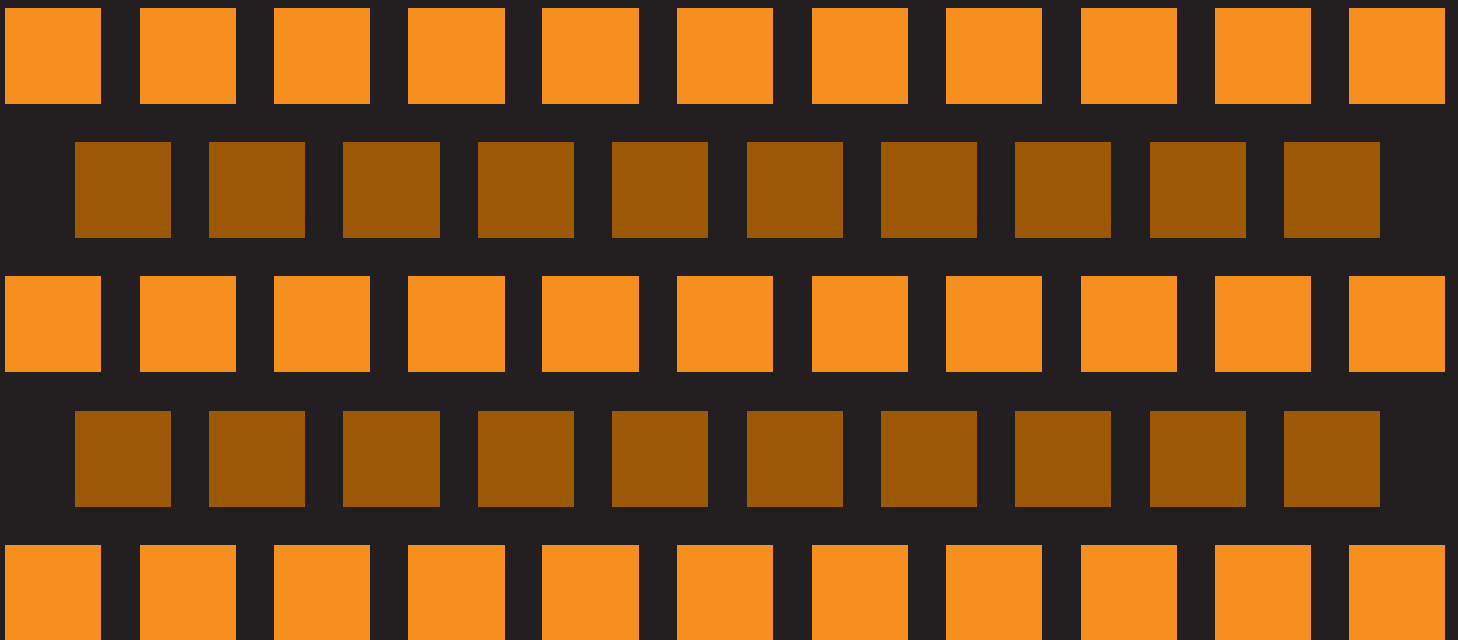


COMPREHENSIVE COMPARISON OF INTERNATIONAL QUALITY STANDARDS



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COMPREHENSIVE COMPARISON OF INTERNATIONAL QUALITY STANDARDS

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FOREWORD

This technical report was developed to comprehensively evaluate the following international quality standards: ASME NQA-1 “Quality Assurance Requirements for Nuclear Facility Application-Edition 2009a” [1], NQSA NSQ-100 “Nuclear Safety and Quality Management System Requirements” [2], IAEA GS-R-3: 2006 “The Management System for Facilities and Activities” [3], and ISO 9001:2008 “Quality Management Systems Requirements” [4]. The report discusses the competitive strengths and weaknesses of these documents.

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1 PURPOSE AND SCOPE

This report was developed to evaluate and assess the various international quality and management documents that are in use today for new nuclear construction. A number of concerns were voiced in the USA, Europe and Asia, about how these documents are being used by construction and engineering companies, regulators, standard developing organizations, vendors and suppliers. There is also a question of the compatibility with existing standards that were the basis of a large majority of new nuclear construction and existing nuclear plant replacements, globally. The comparison provided herein, offers a comprehensive look at these issues.