

SUBJECT: LIMITED CHANGE TO DOE O 414.1D, *QUALITY ASSURANCE*

1. EXPLANATION OF CHANGES. Changes were made to add the Invoked Technical Standards paragraph, and to clarify that this Order invokes ASME NQA-1-2008 with the NQA-1a-2009 addenda. Changes were also made to update references.
2. LOCATIONS OF CHANGES:

Page	Paragraph	Changed	To
	Throughout	References to specific versions of Directives. Example: DOE O 251.1C, <i>Departmental Directives Program</i> , dated 1-15-09	References to current versions of Directives, as appropriate. Example: DOE O 251.1, <i>Departmental Directives Program</i> , current version
4	4.c.(1)	Federal personnel directly responsible for the oversight of quality requirements governing defense nuclear facilities must be qualified in accordance with DOE-STD-1150-2002, <i>Quality Assurance Functional Area Qualification Standard</i> (or latest version).	Federal personnel directly responsible for the oversight of quality requirements governing defense nuclear facilities must be qualified in accordance with the DOE Federal Technical Capability Program (See DOE O 426.1, current version, for specific requirements. See DOE-STD-1150-2013, <i>Quality Assurance Functional Area Qualification Standard</i> , or latest revision, for other acceptable methods).
4	4.c.(2)	Federal personnel directly responsible for oversight of safety software quality assurance (SSQA) activities of defense nuclear facilities must be qualified in accordance with DOE STD-1172-2003, <i>Safety Software Quality Assurance Functional Area Qualification Standard</i> (or latest version).	Federal personnel directly responsible for oversight of safety software quality assurance (SSQA) activities of defense nuclear facilities must be qualified in SSQA in accordance with the DOE Federal Technical Capability Program (See DOE O 426.1, current version, for specific requirements. See DOE-STD-1172-2011, <i>Safety Software Quality Assurance Functional</i>

Page	Paragraph	Changed	To
			<i>Area Qualification Standard</i> , or latest revision, for other acceptable methods).
7	6.	Definitions	<p><u>INVOKED TECHNICAL STANDARDS</u>. The following industry standard is invoked as a required method in this Order in accordance with the applicability and conditions described within this Order. Any technical standard or industry standard that is mentioned in or referenced by this Order, but is not included in the list below, is not invoked by this Order. Note: DOE O 251.1D, Appendix J provides a definition for “invoked technical standard.”</p> <p>ASME NQA-1-2008 with the NQA-1a-2009 addenda, <i>Quality Assurance Requirements for Nuclear Facility Applications</i>. This standard is required to be applied for new Hazard Category -1, -2, and -3 nuclear facilities, major modifications, and safety software at these facilities. See Attachment 1, Section 1.c.(1) and Attachment 4 for specific requirements. Heads of Departmental Elements may authorize the use of a later edition of this Standard to fulfill these requirements.</p>
7-14	6.-8.	Renumbered	7.-9.