

SNS Quality Assurance Graded Approach to Requirements

from SNS-QA-P01 Rev. 2



First determine the grade level in Table 1, then apply appropriate actions from Table 2. A marked copy of this sheet can be a record.

Table 1. Determination of quality level

Grade			
Risk Type	Level 1. Serious	Level 2. Moderate	Level 3. Routine
Functional	___ Potential for a significant adverse impact to completion of the SNS Project or to achieving key performance goals.	___ Potential for a moderately adverse impact to the SNS Project by affecting a WBS level 3 task or a major system or component.	___ Potential for negligible impact to an SNS task, system, or component.
Environment, safety, and health	___ Potential for (1) a death or total disability or severe adverse impact on the health or safety of a worker or the public, or (2) environmental damage that could exceed regulatory limits or involve significant cleanup costs.	___ Potential for injury or illness requiring hospitalization, temporary or partial disability, or moderately adverse impact on the health or safety of a worker or the public.	___ Potential for (1) minimal impact on the health and safety of the public or a worker, such as injury or illness requiring minor supportive treatment but not requiring hospitalization, or (2) a negligible impact on the environment.
Cost	___ Potential for a financial loss of \$500K or more.	___ Potential for a financial loss of \$50K or more.	___ Potential for a financial loss less than \$50K.
Compliance	___ Potential for inadvertent noncompliance with state and federal laws and regulations or DOE requirements.	___ Potential for inadvertent noncompliance with administrative orders or procedures established by the SNS Project Office.	___ Potential for minor noncompliance with established management practices.
Grade = ___	If there are any marks in level 1, the grade is 1. If there are level 2 marks but none in level 1, the grade is 2. Otherwise, all marks are in level 3 and the grade is 3.		

Table 2. Actions appropriate to quality levels

Grade			
	Level 1. Disciplined	Level 2. Balanced	Level 3. Flexible
Action	Design reviews and <i>independent</i> verifications	Design reviews and verifications	Little or no design reviews, verification, or validation
	Thorough documentation	Adequate and appropriate documentation	Minimal documentation
	Established acceptance criteria listing (ACL)	Established ACL	ACL not required
	Vendor qualification and surveillance	Vendor qualification (questionnaire minimum)	Little or no vendor qualification
	Formal procedures	Procedures as needed	No formal procedures except ES&H (i.e., follow good practices)
	Complete oversight and assessment activities	Oversight covered under general management assessments	Oversight performed by line supervision
	Controlled measuring and test equipment (M&TE)	Controlled M&TE	M&TE generally not used
	Documented worker qualifications	Knowledgeable personnel employed	Knowledgeable personnel employed
	Formal inspection and testing	Tests and inspections conducted appropriately	Normal receipt inspection only (except where ES&H requires more)
	QA approvals are required	QA representative consultations are required	QA consultations are available

This table was marked to show the grading process. By _____ Date _____ QAR _____ Date _____

For (Eq. Id Name or Number) _____