Software Quality Assurance Implementation Plan for DNFSB Recommendation 2002-1

Commitment 4.2.3.2: *Establish a schedule to complete the identification, selection, and assessment of safety system software and firmware at defense nuclear facilities*

Site \ Schedule	NV	Y12	SR	LANL	LLNL	SNL	PX
Complete Identification	12/01/03	12/01/03	11/30/03	04/15/04	01/31/04	12/31/03	01/31/04
Complete Selection	12/15/03	12/15/03	02/27/04	02/01/04	04/30/04	01/31/04	01/31/04
Complete Assessment Note: Dates shown in many cases are for completion of initial or pilot assessments; schedules for follow-on assessments, where necessary, will be established following completion of the initial/pilot assessments.	12/20/03 (Pilot w assessment of BN systems) 05/10/04 (Assessment of LANL, LLNL, and SNL systems) Assessments will be in two phases: 1) process and procedures; 2) implementation	01/30/04 (One system only; results to determine the need for and scope of subsequent assessments)	04/30/04 (One system only; results to determine the need for and scope of subsequent assessments)	04/15/04 (First two assessments) 12/31/04 (Remaining assessments)	08/31/04 (Pilot assessment to be completed by 05/30/04)	04/30/04 (One system only; results to determine the need for and scope of subsequent assessments)	03/31/04 (1st system) 09/30/04 (2nd system) (Results to determine the need for and scope of subsequent assessments)

NNSA objective: *for each site to be able to demonstrate that they have an adequate and institutionalized process for*
w   *ensuring software quality assurance, including assessments to verify acceptable implementation.*

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Commitment 4.2.4.2: Establish a schedule to complete the assessment of the processes in place to ensure that safety software currently used to support the analysis and design of defense nuclear facilities is adequate.

Site \ Schedule	NV	Y12	SR	LANL	LLNL	SNL	PX
Complete Assessment Note: Dates shown in many cases are for completion of initial or pilot assessments; schedules for follow-on assessments, where necessary, will be established following completion of the initial/pilot assessments.	03/01/04 (for BN) 05/10/04 (for LANL, LLNL, and SNL) Assessments will be in two phases: 1) process and procedures; 2) implementation	04/30/04 (Based on the results of this assessment, the need to assess additional software samples will be determined and scheduled accordingly)	05/30/04 (Based on the results of this assessment, the need to assess additional software samples will be determined and scheduled accordingly)	04/15/04 (First two assessments) 12/31/04 (Remaining assessments)	08/31/04 (Pilot assessment to be completed by 05/30/04)	04/30/04 (Based on the results of this assessment, the need to assess additional software samples will be determined and scheduled accordingly)	06/30/04 (Based on the results of this assessment, the need to assess additional software samples will be determined and scheduled accordingly by 10/30/04)

NNSA objective: for each site to be able to demonstrate that they have an adequate and institutionalized process for ensuring software quality assurance, including assessments to verify acceptable implementation.

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