



## Department of Energy

Washington, DC 20585

April 11, 2002

The Honorable John T. Conway  
Chairman  
Defense Nuclear Facilities Safety Board  
625 Indiana Avenue, NW  
Suite 700  
Washington, D.C. 20004

Dear Mr. Chairman:

Enclosed is a table showing the schedule for updating the functional area qualification standards in the Technical Qualification Program (TQP). This table fulfills Commitment 19 of the Department of Energy's (DOE) Implementation Plan for the Defense Nuclear Facilities Safety Board Recommendation 2000-2, *Configuration Management, Vital Safety Systems*. Based on this deliverable, the Department proposes closure of Commitment 19.

Commitment 19, originally to be completed by June 2001, called for DOE to revise TQP standards or processes for safety system expertise, taking into account conclusions from the report, "Analysis of Safety System Federal Staff Expertise and Availability," which was provided to the Board on January 24, 2002. That report concluded that the majority of DOE technical skill gaps are in the following technical areas: mechanical systems, fire protection, electrical systems, instrumentation and control, and criticality safety.

The enclosed table shows the schedule the Federal Technical Capability Panel (FTCP) is using to update and change the TQP standards into DOE Technical Standards. Priority has been placed on the five functional areas having the greatest skill gaps, so that these standards are updated first to appropriately reflect safety system expertise for Federal employees newly qualifying in these functional areas.

During the update of the qualification standards, the sponsor for each standard is to evaluate the need to add competency requirements or supporting knowledge and/or skill statements dealing with oversight of safety systems. The sponsor is expected to add these elements to the functional area qualification standard, or provide the FTCP a justification as to why they are not needed. Two of the five priority functional area qualification standards have already been evaluated for safety system expertise: fire protection and criticality safety. In both cases, existing competency requirements and knowledge and/or skill statements adequately address safety systems. The fire protection qualification standard was updated to a DOE Technical Standard in July 2000 and will not undergo a further update at this time. The criticality safety qualification standard is expected to be changed to a DOE Technical Standard by June 2003. The three other priority functional area qualification standards (mechanical systems, instrumentation and control, and electrical systems) are expected to be updated by April 2003. All remaining functional area qualification standards are expected to be updated by December 2003.

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In another matter, the FTCP has approved its 2002 annual plan and a copy has been provided to the Board's staff. Action 5.3 of the annual plan calls for the FTCP agents to identify staff level personnel who are responsible for the oversight of contractor safety systems. This information is intended to provide additional detail as a follow-on step to the report, "Analysis of Safety System Federal Staff Expertise and Availability." Each site has flexibility to use an appropriate method to identify personnel responsible for safety system oversight. The completion goal for this action is June 30, 2002. This information will be provided to the Board when complete.

If you have any questions, please contact me or have your staff contact Mr. Patrick McGuire at (803) 952-4016.

Sincerely,



Roy J. Schepens

Chairman

Federal Technical Capability Panel

Enclosure

Qualification Standards Schedule

cc w/enclosure:

E. Livingston (S-1), HQ

B. Cook (EH-1), HQ

M. Whitaker (S-3.1), HQ

R. Card (US), HQ

J. Gordon (NA-1), HQ

J. Roberson (EM-01), HQ

R. Haeckel (NA-10), HQ

FTCP Agents (electronically)

## FUNCTIONAL AREA QUALIFICATION STANDARD UPDATE SCHEDULE

Qualification Standard	Sponsor/ POC	First Draft Developed	SME Comments Resolved	Approved by FTCP	Input into Directives System	Comments
Fire Protection DOE-STD-1137-2000 (Priority)	Hanford Dee Willis 509/372-3006	X	X	X	7/2000	This qual standard already updated to DOE-STD-1137-2000. Safety systems adequately addressed in current version.
Electrical Systems (Priority)	NNSA/NV Stephen Mellington 702/295-7063	10/31/02	2/28/03	3/31/03	4/30/03	
Instrumentation and Control (Priority)	SR Marc Woodworth 803/952-2025	10/31/02	2/28/03	3/31/03	4/30/03	
Mechanical Systems (Priority)	SR Tim Smith 803/208-0578 G. Christenbury 803/208-0105	10/31/02	2/28/03	3/31/03	4/30/03	
Criticality Safety (Priority)	EH Jerry McKamy 301/903-8031	12/31/02	4/30/03	5/31/03	6/30/03	Safety systems adequately addressed in current version.
Industrial Hygiene DOE-STD-1138-2000	Hanford Dee Willis 509/372-3006	X	X	X	7/2000	This qual standard already updated to DOE-STD-1138-2000. Safety systems adequately addressed in current version.
General Technical Base DOE-STD-1146-2001	EH Jacques Read 301/903-2535	X	X	X	10/2001	This qual standard already updated to DOE-STD-1146-2001. Safety systems adequately addressed in current version.

X - denotes a completed step

## FUNCTIONAL AREA QUALIFICATION STANDARD UPDATE SCHEDULE

Qualification Standard	Sponsor/ POC	First Draft Developed	SME Comments Resolved	Approved by FTCP	Input into Directives System	Comments
Facility Representative	S-3.1 John Evans 202/586-3685	X	X	4/30/02	5/31/02	
Quality Assurance	Hanford Dee Willis 509/372-3006 (EH in future)	X	X	4/30/02	5/31/02	
Occupational Safety	Hanford Dee Willis 509/372-3006	X	6/30/02	7/31/02	8/31/02	
Transportation & Traffic Management	EM Ella McNeil 301/903-7284 B. Hermann 505/845-5624	6/30/02	10/31/02	11/30/02	12/31/02	
Decontamination and Decommissioning (D&D)	EM Andy Szilagyi 301/903-4278	7/31/02	11/30/02	12/31/02	1/31/03	
Environmental Compliance	EM Joe Arango 202/586-7599	8/30/02	12/31/02	1/31/03	2/28/03	
Chemical Processing	SR Pat Suggs 803/557-5101 Dave Faubert 803/952-2371	9/30/02	2/28/03	3/31/03	4/30/03	
Radiation Protection	EH Rick Jones 301/903-6061	12/31/02	4/30/03	5/31/03	6/30/03	Safety systems adequately addressed in current version.

X - denotes a completed step

## FUNCTIONAL AREA QUALIFICATION STANDARD UPDATE SCHEDULE

Qualification Standard	Sponsor/ POC	First Draft Developed	SME Comments Resolved	Approved by FTCP	Input into Directives System	Comments
Environmental Restoration	EM Joe Arango 202/586-7599	1/31/03	5/30/03	6/30/03	7/30/03	
Aviation Safety Manager	YAO Robert Poe 865/576-0891	6/30/03	10/31/03	11/30/03	12/31/03	
Aviation Safety Officer	YAO Robert Poe 865/576-0891	6/30/03	10/31/03	11/30/03	12/31/03	
Senior Technical Safety Manager	OR Robert Poe 865/576-0891	6/30/03	10/31/03	11/30/03	12/31/03	
Technical Trainer	OR Robert Poe 865/576-0891	6/30/03	10/31/03	11/30/03	12/31/03	
Waste Management	EM Joe Arango 202/586-7599	6/30/03	10/31/03	11/30/03	12/31/03	
Emergency Management	NV Stephen Mellington 702/295-7063	6/30/03	10/31/03	11/30/03	12/31/03	
Nuclear Safety Systems	DP Jim Winter 301/903-2874	6/30/03	10/31/03	11/30/03	12/31/03	
Nuclear Explosives	AL/NV Wayne Walker 505/845-4240	6/30/03	10/31/03	11/30/03	12/31/03	
Civil/Structural Engineering	NNSA Jeff Kimball 301/903-6413	6/30/03	10/31/03	11/30/03	12/31/03	

X - denotes a completed step

## FUNCTIONAL AREA QUALIFICATION STANDARD UPDATE SCHEDULE

Qualification Standard	Sponsor/ POC	First Draft Developed	SME Comments Resolved	Approved by FTCP	Input into Directives System	Comments
Facility Maintenance Management	NNSA/DP Jim Winter 301/903-2874	6/30/03	10/31/03	11/30/03	12/31/03	
Construction Management and Engineering	NNSA-HQ Ed Wilmot 202/586-5291	6/30/03	10/31/03	11/30/03	12/31/03	
Safeguards and Security	NNSA/NN Ed Wilmot 202/586-5291	6/30/03	10/31/03	11/30/03	12/31/03	
Project Management	AL/NV Wayne Walker 505/845-4240	6/30/03	10/31/03	11/30/03	12/31/03	

X - denotes a completed step