

Subcontractor Selection & Alignment

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FLUOR[®]

Pre-qualification & Performance Evaluation



OBJECTIVE: *Select best contractor to execute work successfully*

- Evaluate contractors' HSE qualifications
- Verify flow down of requirements (e.g., 10 CFR 851)
- Select contractors
 - Institute controls as necessary
 - Exceptions potentially made for specialty contractors

10 CFR 851 Overview for Subcontractors

As a subcontractor to the Stanford Linear Accelerator Center (SLAC), you are required by the US Department of Energy (DOE) to comply with the requirements of 10 CFR Part 851. Detailed information about this regulation can be found at the DOE's Office of Health, Safety & Security 10 CFR 851 Worker Safety & Health Program web site.¹ You are responsible for reviewing the requirements of this regulation and determining the applicability to you and the subcontracted services you provide to SLAC. Because the work you do is covered under SLAC's mission to the DOE, your activities are covered under SLAC's Worker Safety & Health Program (WSHP). This program is available to you at SLAC's Worker Safety & Health Program web site.² To assist you, the following list identifies key steps/elements that you will need to make sure you address.

- 1) Your workers have specific rights and responsibilities defined in 10 CFR 851.20(b). You are responsible to ensure that your worker safety and health program complies with this.
- 2) You will need to work with your SLAC university technical representative (UTR) or point of contact and SLAC's ES&H Division to identify and assess hazards associated with operations applicable to your work [10 CFR 851.21]
- 3) Hazards applicable to your work must be controlled through hazard prevention and/or abatement [10 CFR 851.22]. The standard hazards control hierarchy must be used:
 - a. Elimination or substitution of the hazards, where feasible or appropriate;
 - b. Engineering controls, where feasible or appropriate;
 - c. Work practices and administrative controls that limit worker exposures; and
 - d. Personal protective equipment.
- 4) You must comply with the worker safety and health standards that are applicable to the hazards associated with your work [10 CFR 851.22]. These include:
 - a. 10 CFR 850, "Chronic Beryllium Disease Prevention Program"
 - b. 29 CFR, Parts 1904.4 through 1904.11, 1904.29 through 1904.33; 1904.44, and 1904.46, "Recording and Reporting Occupational Injuries and Illnesses."
- 5) You must have a training and information program to ensure that all workers exposed or potentially exposed to hazards are provided with the training and information on that hazard in order to perform their duties in a safe and healthful manner [10 CFR 851.25]. Your SLAC UTR or Point of Contact will work with you to provide any specific training and information that SLAC can provide associated with the hazards in the area(s) in which you will work. Training must be provided for new workers, before or at the time of initial assignment to a job involving exposure to a hazard; periodic training as often as necessary; and additional training when safety and health information or a change in workplace conditions indicates that a new or increased hazard exists.
- 6) You must establish and maintain complete and accurate records of all hazard inventory information, hazard assessments, exposure measurements, and exposure controls in the areas in which you work [10 CFR 851.25]. You must report all incidents that occur at SLAC in the course of their work to your primary SLAC Point of Contact. In addition to your accident/incident records that SLAC requires, you should also maintain...

c. Title 29 CFR, Part 1910, "Occupational Safety and Health Standards," excluding 29 CFR 1910.1096, "Ionizing Radiation."
d. Title 29 CFR, Part 1926, "Safety and Health Regulations for Construction."
e. ACGIH "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices" when the ACGIH Threshold Limit Values (TLVs) are lower (more protective) than permissible exposure limits in 29 CFR 1910.
f. ANSI Z88.2-2004, "American National Standard Practices for Respiratory Protection"
g. ANSI Z136.1-2000, "Safe Use of Lasers" and Allied Processes," sections 4.3 and E4.3
h. ANSI Z49.1-1999, "Safety in Welding, Cutting and Allied Processes," sections 4.3 and E4.3
i. NFPA 70E-2004, "Electrical Safety in the Workplace"
j. Any other additional specific safety and health requirement that SLAC determines to be necessary to protect the safety and health of workers.

¹ <http://www.hse-...>

Contractors' Planning & Execution

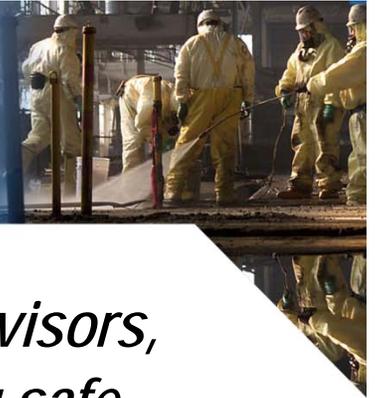


OBJECTIVE: *Understand, endorse, and comply with client expectations*

- Work to our practices and procedures
- Comply with our requirements and applicable standards
- Communicate our practices, procedures, and requirements to supervisors and employees



Key Supervisor Training



OBJECTIVE: *Provide client with field leaders (KEY Supervisors, Field Work Supervisors and Safety Professionals) having safe work performance as primary goal*

- Safety and Health Programs
- Implementation and Performance
- Expectations and Requirements



HSE Committees



OBJECTIVE: *Involve all levels of employees so they own process and outcome*

➤ **Committee Composition**

- Project / Construction Manager (chairperson)
- HSE Manager / Representative
- Project employee representatives
- Contractor management nominees
- Contractor employee representatives



HSE Committees — Functions



OBJECTIVE: *Help reduce work-related injuries, illnesses, hazards and environmental impacts*

- Review HSE-related standards, rules, and procedures
- Review work-related injuries and illnesses
- Review site inspections and audit results



Summary – “The Whole Package”



➤ Attributes of Successful Subcontractors

- Deliver timely, accurate, and complete submittals
- Understand value of oversight
- Embrace questioning attitude
- Maintain open communication
- Utilize on-site personnel resources



Questions & Contact Information



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