1 Purpose

The purpose of these requirements is to ensure the safety of workers in unprotected elevated work areas in which conventional fall protection is impractical. They cover developing and approving fall protection plans. They apply to workers, qualified persons, the SLAC chief safety officer, and the Department of Energy (DOE) site manager.

2 Requirements

When the use of conventional fall protection (guardrails, fall restraint or fall arrest equipment, safety nets) is impractical or creates a greater hazard, a fall protection plan must be used.¹ (For more on authorizing work involving fall protection, see Fall Protection: Fall Protection Requirements). A fall protection plan must

- Be used for construction work only. A fall protection plan may be applied to general industry work, but only on a case-by-case basis as determined by the local compliance officer (DOE site manager or designee).
- Demonstrate why conventional fall protection cannot or should not be used
- Be prepared and changed only by a qualified person and developed specifically for the site where the work is being performed
- Name the qualified person who developed the plan
- Be approved in writing by the SLAC chief safety officer and the Department of Energy (DOE) site manager or designee
- Be kept up to date as the project progresses or conditions change
- Be kept at the job site
- Be implemented under the supervision of a competent person in fall protection, who must be identified in the plan
- Include written discussion of other measures that will be taken to reduce or eliminate the fall hazard for workers who cannot be provided with protection provided by conventional fall protection systems

- Identify locations where conventional fall protection methods cannot be used and designate these locations as **controlled access zones (CAZs)**, cordon them off using a control line (see Figure 1), and identify each worker allowed to work in the CAZ. Other workers may work within the control line, in the designated area, under an elevated surface work plan (see Fall Protection: Fall Protection Requirements)

- Implement a safety monitoring system as needed when workers are in the CAZ, including making sure workers work in teams of two or more

---

**Control Line Requirements**

- Erected not less than 6’ nor more than 25’ from leading edge
- Extend entire length of leading edge
- Be flagged or otherwise clearly marked at not more than 6’ intervals
- Supported so the lowest point is not less than 39” or more than 45”
- Have a minimum breaking strength of 200 lbs.

---

**Figure 1** Controlled Access Zone Requirements
3 Forms

The following are forms required by these requirements:

- None

4 Recordkeeping

The following recordkeeping requirements apply for these requirements:

- Completed fall protection plans must be kept with other work authorization documents for the duration of the work

5 References

**SLAC Environment, Safety, and Health Manual** (SLAC-I-720-0A29Z-001)

- Chapter 45, “Fall Protection”
  - Fall Protection: Fall Protection Requirements (SLAC-I-730-0A21S-055)

**Other SLAC Documents**

- None

**Other Documents**