

Proposed condition	Revision made to the permanent variance	Rationale for the revision
A. General Conditions. * * * The applicants propose to use the hoist system inside and outside a chimney to raise or lower employees in a personnel cage to work locations..	Moved to Condition 1(a).	To make the provision more noticeable than it was in the proposal.
A. General Conditions. * * * Except for the provisions identified above in this section * * * , the applicants acknowledge that they would comply fully with all other applicable provisions of 29 CFR parts 1910 and 1926.* * * .	Moved to Condition 1(b).	To make the provision more noticeable than it was in the proposal.
A. General Conditions.* * * If available space makes using a personnel cage * * * infeasible, the applicants would use a personnel platform.* * * .	Moved to Condition 2(a).	To make the provision more noticeable than it was in the proposal.
A. General Conditions.* * * If available space makes using a personnel cage * * * infeasible, the applicants would use * * * a boatswains' chair. The applicants would limit use of the boatswains' chair to elevations above the last work location that the personnel cage and personnel platform can reach..	Moved to Condition 2(b). This condition clarifies that a boatswains' chair can be used only at the last location that a personnel platform (vice either a personnel platform or a personnel cage) can reach..	To make the provision more noticeable than it was in the proposal. Limiting use of the boatswains' chair makes this condition consistent with the discussion provided in the proposed variance (see 67 FR 36263).
Condition 2(b). Raising or lowering a transport. The applicants would ensure that * * * the hoist machine does not use belt drives..	Revised the provision to read, "No belts are used between the power source and the winding drum," and moved it to Condition 4(b)(ii)(D)..	The language of paragraph 4.2(2) of ANSI A10.22-1990 (R1998) and previous OSHA variances suggest that the prohibition against using belt drives applies to that part of the drive system between the power source and the winding drum, making application to the entire hoist machine too broad. Moving the provision made it an integral part of the provisions that address the drive system.
Condition 2(b). Raising or lowering a transport. * * * Whenever they raise or lower a personnel or material hoist * * * the applicants would: * * * (ii) Interconnect, on a continuous basis, the drive system through a torque converter or mechanical (or equivalent) coupling..	Added the parenthetical statement "(e.g., electronic controllers, fluid clutches, hydraulic drivers)" to the provision to provide examples of equivalent couplings (see Condition 4(b)(ii)(B))..	To provide an example of an equivalent coupling.
Condition 2(e). Line-speed indicator. The applicants would equip the hoist machine with a line-speed indicator.* * * .	Inserted the term "operating" before "line-speed indicator" (see Condition 4(e)(i))..	To clarify that the line-speed indicator must be functioning.
Condition 2(g). Slack-rope switch. The applicants would equip the hoist machine with a slack-rope switch to prevent rotation of the hoist drum under slack-rope conditions..	Revised the term "hoist drum" to "winding drum" (see Condition 4(g))..	To use a single term throughout the variance to describe the drum around which the hoist rope is spooled.
Condition 2(k). Drum and flange diameter. The applicants would provide a winding drum * * * with a flange diameter that is at least one and one-half (1½) times the rope-drum diameter..	Revised the term "rope-drum" to "winding-drum" (see Condition 4(k)(ii))..	To use a single term throughout the variance to describe the drum around which the hoist rope is spooled.
Condition 2(1). Spooling of the rope. The applicants would never spool the rope closer than two (2) inches (5.1 cm) from the outer edge of the hoist-drum flange..	Revised the term "hoist-drum" to "winding-drum" (see Condition 4(1))..	To use a single term throughout the variance to describe the drum around which the hoist rope is spooled.
Condition 3(a). Operator. The applicants would ensure that only trained and experienced employees, who are knowledgeable of hoist-system operations, control the hoist machine..	Retained the proposed requirement as Condition 5(a)(i), but moved from Condition 11(b)(ii) in the proposal to Condition 5(a)(ii) the requirement to train employees who use a personnel cage for transportation on how to operate the hoist system..	To consolidate the training requirements for hoist systems into a single provision.
Condition 4(b). Safety factor. The applicants would maintain a safety factor of at least eight (8) throughout the entire length of hoist rope..	Added the phrase "times the safe workload" between the terms "(8)" and "throughout" (see Condition 6(b))..	To clarify that the safety factor must be based on the safe workload.
Condition 4(d). Installation, removal, and replacement.	Replaced the term "installation" with the term "inspection" in Condition 6(d)..	To clarify that this condition specifies inspection, but not installation, requirements for hoist ropes.
Condition 5(c). * * * To ensure this diameter-to-diameter ratio, the applicants would inspect the hoist rope regularly, and immediately discard the rope if they find evidence of any of the conditions specified by § 1926.552(a)(3)..	Moved the diameter-to-diameter inspection requirement to Condition 6(d)(ii), and removed the reference to § 1926.552(a)(3)..	To consolidate the requirements for hoist ropes under a single condition. The reference to § 1926.552(a)(3) is redundant with the reference in Condition 6(d)(iii).