

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

Attachment No. 1

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PROPOSED STATE STANDARD,
TITLE 8, DIVISION 1, CHAPTER 4

Subchapter 7. General Industry Safety Orders
Group 4. General Mobile Equipment and Auxiliaries
Article 25. Industrial Trucks, Tractors, Haulage Vehicles, and Earthmoving Equipment

§3657. Elevating Employees with Lift Trucks.

(a) Scope and application. Where a lift truck is used to elevate personnel, the operation shall comply with subsections (a) through (j) of this standard. Where a variable reach (boom type) rough terrain lift truck is used to elevate personnel, the operation shall comply with subsection (k), in addition to subsections (a) through (j). This section is not intended to preclude the application of other sections of Article 25, including, but not necessarily limited to, sections 3650, 3664 and 3668.

(b) A work platform shall be used in accordance with the following conditions:

(1) The platform shall be of sufficient size to accommodate the personnel and material being elevated but not less than 2 feet by 2 feet (61 cm by 61 cm).

(2) Where the platform is not attached to the boom, the base of the platform shall be secured to the forks or the base of the fork carriage to prevent tipping, slipping or falling.

(3) The platform shall meet the guardrail and toeboard requirements of section 3210.

Exception: Guardrails need not be provided where a clearance restriction or the nature of the work prohibits the use of guardrails, provided that a safety belt with lanyard, or harness with lanyard is used in accordance with section 3656(e).

(4) The platform floor shall have no spaces or holes greater than one inch.

(5) The platform floor shall have a slip resistant surface.

(c) Lift trucks used to elevate personnel shall be equipped with a means to prevent the raised platform from lowering at a rate in excess of 135 feet per minute (0.69 meters per second) in case of a failure in the load supporting hydraulic control circuits.

(d) Where the truck is operated under conditions which expose the operator to danger from falling objects, the truck shall be equipped with overhead protection.

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(e) There shall be an operator in the control position on the truck while employees are on the elevated platform.

Exception to subsection (e): The use of work platforms in date palm operations in accordance with Article 13, section 3458.2.

(f) When a truck is equipped with vertical only, or vertical and horizontal controls that elevate with the lifting carriage or forks (upper controls), means shall be provided whereby personnel on the platform can shut off the motive power of the truck.

(g) Means shall be provided to render inoperative all operating controls other than those on the elevating platform when the controls on the elevating platform have been selected for use. Only one location of controls shall be capable of being operated at one time.

(h) All bridge cranes and other moving or motorized equipment which could overrun or otherwise injure the elevated worker shall be shut down or locked out.

(i) Personnel shall not sit, climb or stand on the platform guardrails or use planks, ladders or other devices to gain elevation.

(j) When elevating personnel, the lift truck operator shall:

(1) Use a securely attached safety work platform.

(2) Make sure the lifting mechanism is operating smoothly.

(3) Make sure that the mast is vertical if the lift truck is equipped with a mast. The mast shall not be tilted forward or rearward while persons are elevated.

(4) Place the truck in neutral and set the parking brake when the truck is stationary.

(5) Lift and lower personnel smoothly and with caution.

(6) Make sure the path of the work platform travel is clear of hazards such as projections, overhead obstructions, and electrical wires.

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(7) Never travel with personnel on the work platform other than to make minor movements for final positioning of the platform.

Exception 1 to subsection (j)(7): Minor movement of a variable reach (boom type) rough-terrain lift truck is permitted for construction operations when positioning the platform along a straight line where the path of movement is free from excavations, holes, obstructions and debris.

Exception 2 to subsection (j)(7): The use of work platforms in date palm operations in accordance with Article 13, section 3458.2.

(k) Where a variable reach (boom type) rough-terrain lift truck is used to elevate personnel, the operation shall comply with the following conditions, in addition to the requirements of subsections (a) through (j) of this section:

(1) If the lift truck is provided with a load chart for elevating personnel, the work platform shall be loaded and positioned within the limitations on the load chart.

(5) When elevating personnel with a variable reach rough-terrain lift truck, the operator shall:

(A) Maintain the platform at level throughout the personnel lifting operation.

(B) Alert elevated personnel before moving the platform, then move the platform smoothly and with caution.

(C) Never travel with personnel on the work platform.

Exception: Minor movement of the lift truck is permitted for construction operations when positioning the work platform along a straight line where the path of movement is free from excavations, holes, obstructions and debris.

(D) Level the lift truck before elevating personnel when operating on a side slope.

Note: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

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Subchapter 7. General Industry Safety Orders
Group 3. General Plant Equipment and Special Operations
Article 13. Agricultural Operations

Add a new Section 3458.2:

Section 3458.2. Use of Work Platforms on Lift Trucks in Date Palm Operations.

(a) Scope. This section applies to elevating employees on work platforms mounted on lift trucks when used in date palm operations.

(b) Employers shall comply with section 3657 and the following requirements:

(1) Platforms shall be inspected, maintained, and operated as recommended by the platform manufacturer or, where such recommendations do not exist, the engineered design.

(2) A procedure designed by a qualified professional engineer registered in the state of California shall be used to determine the safe loading of the lift truck with attached platform in accordance with good engineering practice before the equipment is placed into service.

[Flagged for further discussion.]

(3) Work platforms shall only be used with the specific lift truck for which the evaluation required by subsection (b)(2) has been conducted.

(4) The results of the evaluation required by subsection (b)(2), including the maximum number of occupants permitted on a specific work platform, shall be kept and available in the lift truck for the operator's reference.

(5) The employer shall post a highly visible and weather-resistant sign on each work platform stating the maximum occupancy and rated capacity of the paired work platform and lift truck.

(6) In addition to inspections required by title 8, GISO, Article 25, and subsection (b)(1), the lift trucks, work platforms, and the means used to secure the work platforms to the lift truck shall be visually inspected at least daily prior to use. An additional inspection shall be conducted prior to use after any repair to the work platform or lift truck. The employer shall develop and use an inspection form specific to the work platforms and lift trucks covered by this safety order. If a defect is found during the inspection, the work platform or lift truck shall be removed

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from service until repaired and re-inspected. Inspection records shall be maintained in accordance with section 3203.

(7) No tools or other equipment shall be allowed on work platforms except those necessary for date palm operations.

NOTE: Drinking water and first-aid kits are not prohibited by subsection (b)(7) and should be supplied in accordance with their respective title 8 regulations, where applicable.

(8) Work platform occupancy shall be limited to allow each occupant a working area of at least 8 square feet [or 20 inches by 20 inches (50.8 centimeters by 50.8 centimeters)]. The area occupied by any materials or equipment stored on or above the work platform shall not be included when determining the available working area. [Flagged for further discussion.]

(9) In addition to training required by title 8 GISO, article 25, the employer shall train: all persons who are permitted on work platforms; all persons who may operate lift trucks subject to this safety order; supervisors and managers involved in operations covered by this safety order; and all persons responsible for maintaining equipment subject to this safety order. Records of training shall be maintained in accordance with title 8 GISO section 3203. The training shall include, at a minimum:

(A) The requirements of this safety order.

(B) All work rules and usage rules associated with the work platforms.

(C) Proper daily inspection of the work platforms and associated lift trucks.

(D) Procedures to follow if an unsafe condition is detected.

(c) An operator shall be in the control position on the lift truck while employees are on the work platform, unless the following conditions are in effect:

(1) Before exiting the lift truck, the operator shall turn off the engine and take such measures as are necessary to prevent the movement of the lift truck while the operator position is unoccupied.

(2) Lift truck operators shall be no more than 25 feet (7.62 meters) from the operating position of the lift truck under their supervision while employees are on the elevated platform. An

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operator shall only be responsible for operating and supervising a single lift truck and work platform pair. [Flagged for further discussion.]

(3) The operator shall remain attentive and maintain visual and audible contact with employees on the elevated work platform.

(4) Whenever employees are elevated on a work platform, the lift truck operator and at least one other employee shall have the capability of live telephone or two-way radio communication to summon response personnel in the event of an emergency. The employee responsible for emergency communication shall be a person qualified to operate the lift trucks.

(d) Traveling with personnel on the work platform is prohibited unless the following conditions are met:

(1) Movement of the lift truck with persons on the work platform shall be allowed only for tree-to-tree travel within an orchard, on level ground free of obstructions and hazardous depressions. Tree-to-tree travel means travel between adjacent trees only. Any other travel with employees on the work platform is prohibited (e.g. travel through orchards, on farm roads, or any other road).

(2) Prior to movement of a lift truck with employees on the work platform, the operator shall conduct a visual survey of the path of travel to ensure there are no obstructions or depressions that would endanger the stability of the lift truck during movement.

(3) Employees on the work platform shall wear approved fall restraint equipment in accordance with the applicable subsections of section 3458 and be tied-off to an approved anchorage point on the work platform whenever work platforms are elevated at any height and during movement or relocation of the work platform. [Flagged for further discussion.]

(4) For vertical-mast lift trucks traveling with employees on the work platform, the work platform shall be lowered to no higher than 20 - 25 inches (51 – 64 cm) above the ground. The bottom portion of the work platform shall have affixed a 20-inch (51-cm) length of colored chain to provide a height reference for the operator.

(5) For rough terrain, high-reach lift trucks (with an extendable boom) traveling with employees on the work platform, the work platform shall be positioned no higher than a height that permits the operator an unobstructed view of the path of travel.

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(6) Prior to elevating or lowering the work platform, or moving a lift truck with employees on the work platform, the operator shall alert persons on the work platform and ensure the work platform is level and centered.

(7) When moving the lift truck with employees on the work platform, the speed of the lift truck shall be no more than two (2) miles per hour (three (3) kilometers per hour).

(8) All employees shall move to the mast end of the work platform prior to movement or repositioning.

(e) The work platform shall be designed by a registered professional engineer in accordance with applicable subsections of ANSI B56.6-2016 section 8.24. [Flagged for further discussion.]

(f) The floor of the work platform shall not be more than eight (8) inches above the upper face of the forks. [Flagged for further discussion.]

Note: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.