


<i>HEALTH AND SAFETY MANUAL</i>	
Title: Vehicle Mounted Work Platforms	
Approved by: Greg Savoy	Rev. 1/1/08

1 Purpose/Scope:

This procedure is intended to prescribe rules and requirements for the design, construction, and use of a Vehicle Mounted Work Platform.

This program is applicable at every work area where Vehicle Mounted Work Platforms are used. When work is performed on a non-owned or operated site, the operator's program shall take precedence, however, this document covers Company employees and contractors and shall be used on owned premises, or when an operator's program doesn't exist or is less stringent.

2 Definitions/Responsibilities:

2.1 Definitions:

- 2.1.1 Aerial device - Any vehicle-mounted device, telescoping or articulating, or both, which is used to position personnel.
- 2.1.2 Aerial ladder - An aerial device consisting of a single- or multiple section extensible ladder.
- 2.1.3 Articulating boom platform - An aerial device with two or more hinged boom sections.
- 2.1.4 Extensible boom platform - An aerial device (except ladders) with a telescopic or extensible boom. Telescopic derricks with personnel platform attachments shall be considered to be extensible boom platforms when used with a personnel platform.
- 2.1.5 Insulated aerial device - An aerial device designed for work on energized lines and apparatus.
- 2.1.6 Mobile unit - A combination of an aerial device, its vehicle, and related equipment.
- 2.1.7 Platform - Any personnel-carrying device (basket or bucket) which is a component of an aerial device.

- 2.1.8 Vehicle - Any carrier that is not manually propelled.
- 2.1.9 Vertical tower - An aerial device designed to elevate a platform in a substantially vertical axis.

2.2 Responsibilities:

- 2.2.1 Managers/Supervisors are responsible for ensuring that inspections are performed, and all daily inspections are performed before work starts for the day.
- 2.2.2 Managers/Supervisors are responsible for ensuring that all employees, and/or contractors have been trained in the use and inspection methods for Vehicle Mounted Work Platforms in accordance to the manufactures guidelines.
- 2.2.3 Managers/Supervisors are responsible for ensuring that all employees and contractors are aware that if an inspection discovers a defect, the Vehicle Mounted Work Platform cannot be used until repairs are made.
- 2.2.4 Employees are responsible for following this program, inspect and document the Vehicle Mounted Work Platforms daily and report any damages or repairs that may be needed to their supervisor.

3 Requirements:

- 3.1 Aerial Lifts - Aerial devices include the following types of vehicle-mounted aerial devices used to elevate personnel to jobsites above ground:
 - 3.1.1 Extensible boom platforms.
 - 3.1.2 Aerial ladders.
 - 3.1.3 Articulating boom platforms.
 - 3.1.4 Vertical towers.
 - 3.1.5 May be powered or manually operated; and are deemed to be aerial lifts whether or not they are capable of rotating about a substantially vertical axis.
 - 3.1.6 Aerial lifts may be "field modified" for uses other than those intended by the manufacturer, provided the modification has been certified in writing by the manufacturer.
 - 3.1.7 The requirements of this procedure do not apply to the vehicles upon which aerial devices are mounted, except with respect to the requirement that a vehicle be a stable support for the aerial device.
 - 3.1.8 For operations near overhead electric power lines:

- Work that is performed near overhead lines, the lines shall be de-energized and grounded, or other protective measures shall be provided before work is started.
- If the lines are to be de-energized, arrangements shall be made with the person or organization that operates or controls the electric circuits involved to de-energize and ground them.
- If protective measures, such as guarding, isolating, or insulating, are provided, these precautions shall prevent employees from contacting such lines directly with any part of their body or indirectly through conductive materials, tools, or equipment.

3.2 Specific requirements:

3.2.1 Ladder trucks and tower trucks:

- Before the truck is moved for highway travel, aerial ladders shall be secured in the lower traveling position by the locking device above the truck cab, and the manually operated device at the base of the ladder, or by other equally effective means (e.g., cradles which prevent rotation of the ladder in combination with positive acting linear actuators).

3.2.2 Extensible and articulating boom platforms:

- Lift controls shall be tested each day prior to use to determine that such controls are in safe working condition.
- Only trained persons shall operate an aerial lift.
- Employees shall always stand firmly on the floor of the basket, and shall not sit or climb on the edge of the basket or use planks, ladders, or other devices for a work position.
- A body harness shall be worn and a lanyard attached to the boom or basket when working from an aerial lift. Tying off to an adjacent pole, structure, or equipment while working from an aerial lift shall not be permitted.
- Boom and basket load limits specified by the manufacturer shall not be exceeded.
- The brakes shall be set and outriggers, when used, shall be positioned on pads or a solid surface. Wheel chocks shall be installed before using an aerial lift on an incline.
- An aerial lift truck may not be moved when the boom is elevated in a working position with men in the basket, except for equipment which is specifically designed for this type of operation in accordance with the provisions of paragraphs 3.1.1 and 3.1.2 of this procedure.

- ❑ Before moving an aerial lift for travel, the boom(s) shall be inspected to see that it is properly cradled and outriggers are in stowed position, except as provided in paragraph 3.2.2 of this procedure.
- ❑ Articulating boom and extensible boom platforms, primarily designed as personnel carriers, shall have both platform (upper) and lower controls.
 - Upper controls shall be in or beside the platform within easy reach of the operator.
 - Lower controls shall provide for overriding the upper controls.
 - Controls shall be plainly marked as to their function.
 - Lower level controls shall not be operated unless permission has been obtained from the employee in the lift, except in case of emergency.
- ❑ Climbers shall not be worn while performing work from an aerial lift.
- ❑ The insulated portion of an aerial lift shall not be altered in any manner that might reduce its insulating value.

4 References:

4.1 1910.67, Vehicle-mounted elevating and rotating work platforms.

4.2 29 CFR 1910.333, Electrical-Selection and use of work practices.

5 Exhibits :

None.