



DEPARTMENT OF ENVIRONMENTAL SAFETY, SUSTAINABILITY & RISK

Aerial Lift and Elevated Work Platform Fact Sheet

The University of Maryland is committed to providing a safe work environment that is free of recognized hazards and to make sure Students, Faculty, Staff and Contractors who operate Aerial Lifts and Elevated Work Platforms (ALEP) have received ALEP training through an accredited training provider.

What is an Aerial Lift and an Elevated Work Platform (ALEP)?

Aerial Lifts and Elevated Work Platforms (ALEP) are used to lift personnel and tools from the ground to perform activities at elevated heights. They are used indoors or outdoors and for any purpose when people need to work at an elevated height. ALEP's come in self-propelled models, truck mounted models and tow behind trailer models. They are powered by either electric batteries, liquid propane, gasoline and diesel fuel. Some examples of the different types of lifts are i.e. Bucket Trucks, Boom Trucks, Cherry Picker, Scissors Lifts, Articulating Boom Lifts, All-Terrain Lifts and Genie Lifts. Selection is based primarily on the site conditions, elevation that must be attained and type of activity to be performed.

Who may Operate an ALEP and what are the Training Requirements?

Students, Faculty and Staff at the University of Maryland (UM) operating Aerial Lifts or Elevated Work Platforms must successfully complete an accredited ALEP Operators Safety Training program either offered by or approved by The Department of Environmental Safety Sustainability and Risk (ESSR). Training shall be specific to the type of ALEP being operated and shall include a fundamental and practical training session.

What are the ALEP Fall Protection Requirements?

Fall protection requirements are based on the type of ALEP being used and are different for different types of lift. Fall protection training is a required component of ALEP Safety Training Program. Guard rails serve as fall protection for personnel in Elevated Work Platforms i.e. Scissor and Genie lifts that go straight up and down. Personnel may not work outside of the Elevated Work Platform and must stay within the confines of the guard rails. A fall restraint system with a rated anchor point and a full body harness meet the requirement for fall protection in Aerial Boom type lifts because Aerial Lifts tend to bounce, which may eject the operator from the platform or bucket.

How Does the ALEP Safety Program Apply to Contractors and Venders?

Contractors and Venders are required to comply with OSHA 29 CFR 1926.450-453 and 29 CFR 1910.66-68 ALEP Safety Program. UM personnel hiring contractors and venders are encouraged to confirm contract personnel have received ALEP Safety Training. ESSR is available to assist in reviewing contractor's ALEP training certifications.

What are the Safe-Work Procedures when Operating ALEP's?

Confirm the appropriate ALEP has been selected for the job based on lift characteristics and site conditions. Perform a Job Safety Analysis (JSA) identifying and evaluating all site hazards. Conduct and document Pre-Operation ALEP Inspection for every shift that uses an ALEP and maintain ALEP maintenance records. Determine the appropriate fall protection measures and other Personal Protective Equipment (PPE) that may be needed. Review the ALEP manual identifying inherent safety concerns and follow specific operating procedures. Make sure the ALEP manual is accessible to the operator at all times.

How do I get Help Implementing our ALEP Safety Program and Scheduling Training?

Contact Saul Grosser in the Risk Department of ESSR at 301-405-7528 or email sgrosser@umd.edu for questions on implementing the program in your Department or to schedule ALEP training.

Applicable Regulations

29 CFR 1926.453 Scaffolding and Aerial Lifts

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10754

29 CFR 1910.66 Powered Platforms, Manlifts, and Vehicle-Mounted Work Platforms

https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9727

ANSI 92.5 Aerial Lifts

ANSI 92.6 Scissor Lifts