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CP3-HS-2036 **FRev. 1**	**TITLE**: Aerial Devices	Page 1 of 7

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REVISION/CHANGE LOG

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FR0	Initial Release	All	10/20/2017
FR1	Nonintent Revision to Incorporate Bluesheeting Changes and to Update to Current Format	All	12/11/2017

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1.0 PURPOSE AND SCOPE

1.1 Purpose

This procedure describes requirements and guidelines for training, inspections, and safe operation of *aerial devices* (see definitions) required to comply with applicable codes, standards, and federal regulations (e.g., Title 29 Code of Federal Regulations (CFR) § 1910.67).

1.2 Scope

This procedure applies to Four Rivers Nuclear Partnership (FRNP)workers who perform work for the United States Department of Energy (DOE) at the DOE-owned Paducah Site using aerial devices as defined in Appendix A, *Acronyms/Definitions*.

Exception: This procedure does not apply to the Fire Services ladder truck.

2.0 REFERENCES

2.1 Use References

- CP3-SM-0019, *Electrical Safety Guidelines*
- CP3-HS-2008, *Accident Prevention/Equipment Control Tags*
- CP3-HS-2014, *Fall Prevention and Protection*
- CP3-WM-1036, *Nuclear Criticality Safety Implementation Requirements for Handling and Storage of Fissile and Potentially Fissile Waste*
- Job Hazard Analysis (JHA)-7736, *JHA for General Site Use of Aerial Devices*

2.2 Source References

- 29 CFR § 1910.67, *Vehicle-Mounted Elevating and Rotating Work Platforms*
- Manufacturer’s Operating Instructions

3.0 COMMITMENTS

29 CFR § 1910.67, *Vehicle-Mounted Elevating and Rotating Work Platforms*

4.0 RESPONSIBILITIES

- SupervisorEnsures *Operators* (see definitions) are trained and qualified to perform this procedure.
- Conducts a Pre-Job Briefing prior to work beginning.
- Communicates applicable emergency information or inclement weather advisories.
- Periodically monitors work in progress.

4.1 Equipment Operator

- Inspects aerial device for defects and complete CP3-HS-2036-F01, *Aerial Devices – Daily Inspection and Pre-Operational Checklist*.
- Operates aerial device according to this procedure, training provided, work control documents, and any applicable JHA.
- NotifiesSupervisor) (see definition) of any deficiencies.

5.0 GENERAL INFORMATION

5.1 Special Tools or Equipment Needed - Fall Protection Equipment, (i.e., full body harness and either a self-retractable lanyard or a short [<= 3' or less] restraint lanyard - (not required on scissor lifts)

5.2 Training and Required Reading

5.2.1 Individuals who are assigned to the following position(s) with performance responsibilities are trained as required.

- SupervisorEquipment Operator

5.2.2 Training modules that are specific to the action steps defined in the procedure:

- C00781 - *Aerial Lifts* or module 26415 for former LATA KY employees
- C01620 - *Fall Arrest Equipment* or modules 011915 and 025329 for former LATA KY employees

5.3 Prior to Performing any action steps identified in this procedure, the performer shall have completed any required applicable training identified in Step **5.2**.

5.4 Prior to using this procedure for the first time, a briefing on the latest version of JHA-7736, *JHA for General Site Use of Aerial Devices: Man-Lifts, Scissor Lifts, and Powered Industrial Trucks* (including Forklifts) shall be conducted.

5.5 Prior to using an aerial device near energized conductors, safe working distances shall be determined using JHA-7736, *JHA for General Site Use of Aerial Man-Lifts, Scissor Lifts, and Powered Industrial Trucks* (including Forklifts and CP3-SM-0019, Electrical Safety Guidelines).

5.6 Prior to using an aerial device in a fissile control area, refer to and ensure compliance with CP3-WM-1036, *Nuclear Criticality Safety Implementation Requirements for Handling and Storage of Fissile and Potentially Fissile Waste*.

5.7 When working inside the basket of an aerial device, use fall protection according to CP3-HS-2014, *Fall Prevention and Protection*.

6.0 INSTRUCTIONS

6.1 Pre Use Activities

Supervisor

6.1.1 Prior to use of an aerial device, verify aerial device operators have been trained in accordance with this procedure.

6.1.2 Ensure any required notifications have been performed, approvals obtained, and necessary work control documents/work package written and approved for the task to be performed.

6.1.3 Verify personnel assigned to perform tasks have satisfied all qualification requirements.

6.1.4 Request Radiological Control (RADCON) support when working in an environment where radiological potential exists.

6.1.5 Ensure all special tools, equipment, and required personal protective equipment have been identified and are available for the task.

6.1.6 Evaluate current and expected wind conditions (e.g., speed, gusts, and direction) and communicate this information to workers to ensure safe operation in an aerial device.

6.1.7 Conduct a pre-job briefing, as required by the work control process, with the workers to clearly communicate the requirements of the job.

6.1.8 Identify any equipment use limitations (such as safe distance from power lines listed in the applicable JHA), review key items in the JHA.

Equipment Operator

6.1.9 Inspect aerial device for defects prior to first use on each work shift by completing CP3-HS-2036-F01, *Aerial Devices – Daily Inspection and Pre-Operational Checklist*.

6.1.10 **If** any deficiencies are identified on the checklist that could affect safety or operations, **then** notify the Supervisor of any deficiencies found and provide a copy of the completed inspection checklist to Supervisor.

6.1.11 Ensure the aerial device is removed from service when deficiencies are discovered that could affect safety or operations. **If** no deficiencies are identified, **then** proceed to section **6.2**.

6.1.12 Attach a tag to the aerial device in accordance with CP3-HS-2008, *Accident Prevention / Equipment Control Tags*.

6.1.13 **If** any other defects are observed that are **NOT** covered by the checklist, then perform Steps **6.1.15** through **6.1.16**.

6.1.14 Evaluate those deficiencies to determine whether or not they constitute a safety or operational problem.

6.1.15 **If** it is determined that deficiencies will **NOT** affect safe use of the equipment, **then** notify the Supervisor and go to Section **6.2**.

6.1.16 **If** deficiencies could impact safety or operation, **then** notify the Supervisor and perform Steps **6.1.12** and **6.1.13**.

6.2 Use of the Aerial Device

Equipment Operator

6.2.1 Ensure that both the operator's and safety manual are located on the equipment and that the equipment is within the annual inspection date prior to use.

6.2.2 Work within the parameters of the JHA, training provided, and in accordance with engineering evaluations and/or calculations.

6.2.3 Notify the FLM of any equipment deficiencies found during service.

6.2.4 Submit completed daily per-operational inspection checklist to Supervisor/Manager prior to leaving at the end of the shift.

Supervisor

6.2.5 Communicate applicable emergency information or inclement weather advisories issued by the Plant Shift Superintendent (PSS) to the work crew.

6.2.6 Periodically monitor work in progress to verify that it is being performed in a safe and efficient manner.

6.2.7 Maintain copies of completed daily pre-operational inspection checklists for each aerial device according to CP3-RD-0010, *Records Management Process*. This may be accomplished by submitting the completed checklist with the work package, Safety Task Assignment, or other applicable work control documents.

7.0 RECORDS

7.1 Records Generated

The following records may be generated by this procedure:

CP3-HS-2036-F01, *Aerial Devices – Daily Inspection and Pre-Operational Checklist*

7.2 Records Disposition

The records are to be maintained in accordance with CP3-RD-0010, *Records Management Process*.

Appendix A - Acronyms/Definitions

ACRONYMS

CFR - Code of Federal Regulations

DOE - Department of Energy

FRNP – Four Rivers Nuclear Partnership

JHA - Job Hazard Analysis

RADCON - Radiological Control

TPD - Training Position Description

DEFINITIONS

AERIAL DEVICE - Any vehicle-mounted device, telescoping or articulating, or both, which is used to position personnel. Examples include JLGs, Genie Booms, bucket trucks, or scissor lifts.

OPERATOR - Employee trained to operate an aerial device.

Supervisor - Employee who manages the aerial device operator.