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15.0 - PERSONNEL LIFTING

15.1 SCOPE

This chapter applies to the construction and characteristics, inspection, testing, maintenance and operation of personnel lifting systems. This chapter establishes the design criteria, equipment characteristics, and operational procedures which are required when material handling equipment, as defined by ASME B30.23-2011-Personnel Lifting Systems, is used to lift personnel. The proper and safe use of these personnel lifting systems is governed by the American Society of Mechanical Engineers (ASME) standards and the Occupational Safety and Health Administration (OSHA) regulations. This section implements required criteria from DOE/RL-92-36 and the following standards: ASME B30.23-2011-Personnel Lifting Systems, and OSHA 29 CFR 1926 Subpart CC.

15.2 GENERAL REQUIREMENTS

Contractors shall access requirements via the following options:

1. IHS Engineering Standards, Regulations and Technical Specifications at <http://www.ihs.com/>. The contractor must have paid for access to the specific standard. To print IHS file go to <http://www.ihs.com/>
2. To purchase standards directly from ASME go to <http://www.asme.org>
3. To access OSHA standards go to the following link:
 - 29 CFR 1926 Subpart CC
http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10760

15.3 IMPLEMENTATION

The use of equipment to hoist employees is prohibited except where the employer demonstrates that the erection, use, and dismantling of conventional means of reaching the work area, such as a personnel hoist, ladder, stairway, aerial lift, elevating work platform, or scaffold, would be more hazardous, or is not possible because of the project's structural design or worksite conditions. This paragraph does not apply to work covered by OSHA 29 CFR 1926 Subpart R (Steel Erection).

Contractors shall be compliant to OSHA, ASME, DOE/RL-92-36, and the personnel lifting system manufacturers' requirements. It is the responsibility of the user of this manual to implement all of the requirements from listed sources. When two standards set forth inconsistent requirements, the user shall adhere to the standard containing the most stringent requirements. ASME standards provide the most comprehensive information and documentation requirements. Users should contact a Hanford Hoisting and Rigging Committee (HHRC) representative or send an email to ^Hanford Hoisting and Rigging for a formal interpretation. See Chapter 17.0, *Interpretations*, for the process to be followed when requesting an interpretation. Notify the HHRC if any inconsistent standards are identified.

It is not the intent of this manual to require retrofitting of existing equipment. However, when any hoisting or rigging equipment is modified, its performance requirements shall be reviewed relative to the requirements within the current manual. The need to meet the current requirements shall be evaluated by a qualified person selected by the owner (user). Recommended changes shall be made by the owner (user) within one year.

15.4 INCONSISTENT STANDARDS

ASME B30.23-2011-Personnel Lifting Systems provides more comprehensive documentation than OSHA 29 CFR 1926.1431, *Hoisting Personnel*.

15.5 HANFORD SPECIFIC REQUIREMENTS AND PRACTICES

Follow ASME B30.23-2011-Personnel Lifting Systems standards.