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2-23 PERSONNEL LIFTING

2-23.1 Scope

This Hanford Site Hoisting and Rigging Manual (HSHRM) 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 that are required when material-handling equipment, as defined by ASME B30.23, *Personnel Lifting Systems*, is used to lift personnel.

The proper and safe use of these personnel lifting systems is governed by American Society of Mechanical Engineers (ASME) standards and Occupational Safety and Health Administration (OSHA) regulations. This section implements the following standards:

- ASME B30.23, *Personnel Lifting Systems*
- OSHA 29 CFR 1926 Subpart CC, *Cranes and Derricks in Construction*

2-23.2 Accessing Requirements

- To access ASME standards, choose one of the following options:
 - [IHS Engineering Standards, Regulations and Technical Specifications](#). The contractor must have paid for access to the specific standard.
 - Purchase standards directly from [ASME](#).
- To access OSHA standards, go to:
 - [OSHA 29 CFR 1926 Subpart CC, Cranes and Derricks in Construction](#) or see Chapter 3-7
 - [OSHA 29 CFR 1926.1431, Hoisting Personnel](#)

2-23.3 Implementation

As stated in OSHA 29 CFR 1926, Subpart CC, Section 1926.1431(b), *Use of Personnel Platform*: “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*. This statement applies to all Hanford Site personnel lifting systems.

Contractors shall comply with OSHA, ASME, this HSHRM, and manufacturers’ requirements. Users of this HSHRM are responsible to implement all applicable requirements. If standards conflict, the user shall adhere to the standard containing the most stringent requirements. In most cases, ASME standards provide the most comprehensive information.

Users should contact a Hanford Hoisting and Rigging Committee (HHRC) representative or send an [email](#) to requesting a formal interpretation. See Chapter 1-10, *Interpretations*, for the process to be followed. Notify the HHRC if any inconsistent standards are identified.

This HSHRM does not intend 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 this HSHRM. The need to meet the current requirements shall be evaluated by a qualified person selected by the owner (user).

2-23.4 Inconsistent Standards

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

2-23.5 Hanford Specific Requirements and Practices

Follow ASME B30.23, *Personnel Lifting Systems*, and HSHRM Chapter 1-5, *Critical, Special, and Engineered Lifts*.