

Appendix 3.03-A: Riggers and Signalpersons Requirements

1. Scope

Riggers and signalpersons that participate in any lifts or hoisting activities shall only perform duties commensurate with their level of certification or qualification. The requirements applicable to performing these roles are addressed in 29 CFR 1926 Subpart CC, Cranes and Derricks in Construction:

- 29 CFR 1926.1428, Signal person qualifications
- 29 CFR 1926.1431, Hoisting personnel

2. Training Requirements

a. Initial

- Signalpersons. Signalpersons shall be trained and qualified prior to giving any signals. Training shall meet the requirements of 29 CFR 1926.1428, to know and understand:
 - types of signals used,
 - application of signals used,
 - basic equipment operation and limitations including crane dynamics when hoisting loads,
 - general signal requirements,
 - standard voice and hand signals, and
 - radio, telephone, and other electronic signals.
- Riggers. Persons performing rigging work shall be trained and qualified prior to performing any rigging duties. Training shall meet the proficiency requirements in 2.b below and include:
 - hoisting and rigging hazards,
 - factors that reduce capacity,
 - calculating load weights, load angle factors, and center of gravity,
 - lift point identification,
 - 29 CFR 1910.184, Slings,
 - 29 CFR 1926.251 Rigging equipment for material handling,
 - ASME B30 as it pertains to lifting and material handling related to lifting equipment,
 - sling use and inspection,
 - basic hitch connections, their advantages, and disadvantages,
 - calculating sling loading based on rigging configuration,
 - basics of crane operation and what to be aware of during a lift,
 - signal operations, and

Reclamation Safety and Health Standards—2024 Edition

Chapter 3: Materials Handling | Section 3.03 Permanently Installed (Fixed) Cranes

Applicability: Reclamation Employees, Facilities, Operations, and Contractors

- rigging hardware use and inspection criteria.

b. Proficiency Qualification

- Signalpersons. The signalperson is considered qualified if they:
 - meet the requirements of a qualified person, and
 - know and understand the type of signals used at the worksite, and
 - are competent in using signals.
- Riggers. At a minimum, a qualified rigger:
 - possesses a recognized degree, certificate, or professional standing, or
 - has extensive knowledge, training, and experience, and
 - can successfully demonstrate the ability to solve problems related to rigging loads.