

Signal Person

AEN53SIGNAL03

Updated March 2024

Focus Statement

The purpose of this assessment is to determine the proficiency level for a Signal Person who is proficient in the performance of hand and verbal signals. This person ideally holds a crane certification, and this is an additional certification to demonstrate their skills. Their comprehensive knowledge base encompasses:

- Hand signals as required by ASME B30.2, ASME B30.3, ASME B30.5, and ASME B30.6
- Specific knowledge of crane operations
- Basic understanding of equipment operation and limitations, including the crane dynamics involved in side loading, swinging and stopping loads, and boom deflection from hoisting loads.
- Know and understand the relevant requirements of OSHA 1926.1419 through 1926.1422 and 1926.1428.
- Crushing zone.

Overview

- Two-hour closed-book examination
- May use a basic function, non-printing calculator
- No extra papers, books, notes or study materials are allowed

Minimum passing score is 80.

Written Assessment Contents:

| Domain | Module ID | Topics | Number of Items |
|---------------------------------------|-----------|--|-----------------|
| Crane Communications | 53101 | Demonstrate proficiency in, understanding, use, and care of: <ul style="list-style-type: none"> • Communication process and barriers to effective communication • OSHA regulations related to crane communications • Verbally and nonverbal communications | 24 |
| Basic Principles of Cranes | 21102 | Demonstrate proficiency in, understanding, use, and care of: <ul style="list-style-type: none"> • Various types of cranes and crane components • Factors related to lifting capacity | 15 |
| Crane Safety and Emergency Procedures | 21106 | Demonstrate proficiency in, understanding, use, and care of: <ul style="list-style-type: none"> • Relevant OSHA and ASME standards • Crane safety considerations • Mobile-crane operation considerations related to specific applications • Responses to various incidents | 11 |

Practical Examination

A corresponding hands-on Practical Examination is available and required to earn a certified credential.

NCCER Curriculum

All NCCER knowledge assessments are referenced to NCCER's curriculum modules as listed on this specification sheet. This assessment is referenced to NCCER's 2nd edition of the Signal Person curriculum. You may order books and modules from Pearson by visiting www.nccer.org/order-books-modules/.

Assessment Development

All questions are developed and approved by subject matter experts under the direction of NCCER.

Credentials

Upon successful completion of the certification requirements, credentials can be viewed and printed by the individual or assessment program through their NCCER Account.

Score Report and Training Prescription

Each candidate will have online access to their assessment results including their overall score and recommended training through their NCCER Account.

Total Number of Items **50**