



# Site Report

## PRACTICAL EXAMINATION—TELECOMMUNICATIONS TOWER TECHNICIAN 2

NWSA has established specific conditions and guidelines that each Practical Exam Test Site must adhere to. This Site Report is designed to ensure these conditions are met. The Test Site Coordinator may use this document to source all the materials necessary to be able to administer the practical exam. The Test Site Coordinator and Practical Examiner may work together to layout the test site (see test site setup instructions).

The Practical Examiner is required to perform a site inspection prior to the start of the first examination and complete the Site Report form. The Practical Examiner must arrive at the Test Site in sufficient time to verify the accuracy of the site layout and that all materials necessary to administer the exam are present. This Site Report must be presented on demand to any Practical Test Auditor.

*If using more than one tower at this test site, please fill out a Site Report for each one.*

**Please type or print neatly.**

NWSA PE SITE #	DATE
NAME OF TEST SITE COORDINATOR	

*If using more than one tower at this test site, please describe which tower this Site Report relates to (e.g., “north tower.”):*

**Check the following items for compliance:**

### PRE-TEST CANDIDATE BRIEFING AREA

- Sufficient tables and chairs to seat all candidates for the Pre-Test Briefing
- A location so that waiting candidates are unable to observe other candidates being tested
- A written description of the examination (copies of Candidate Handbook)
- Hubbell/Chance Series 90 Capstan Hoist Owner’s Manual
- Hubbell/Chance Series 90 Capstan Hoist Safety Manual
- Preformed Line Products Dead-end grip use information

### OVERALL TESTING AREA

- Free of debris, stored materials, surface irregularities, or hazards that could interfere with the exam
- No obstructions are within 5 ft. of the test site layout in any direction
- During testing, an area where individuals not directly involved in the test administration will not be permitted to enter or observe freely.
- Can be located indoors or outdoors

### TOWER

- Minimum 15 ft. height (20 ft. recommended)
- Minimum 18 in. face width
- 1 in. – 5 in. lattice leg size
- Three or four leg lattice structure
- Standard tower section
  - Guyed or self-supported is acceptable
  - Round leg or angle leg is acceptable
  - Straight or tapered is acceptable
- Properly secured to ground and stable

## SITE REPORT (CONT'D)

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#### MATERIALS RELATED TO TOWER SET UP

- Minimum 1000# Working Load Limit (WLL) top block (with proper method of attachment to secure anchor point) compatible with rope size and working load limit
- One minimum 20 ft, self-retracting device (SRD) with proper method of attachment to secure anchor point
  - Meets Z359.14-2012 Class A standard
- Guy pull-off lug: 5/8 in. hole, 1/2 in. leading edge, max 1/2 in. steel installed at 10 ft. ± 1 in. height on tower leg where guy wire will be installed
- Minimum 100 ft. length of 3/8 in. - 1/2 in. kernmantle or double braid load rope (500# WLL)
- 3/4 in. clearly visible marking tape at 6 ft. mark of tower leg where capstan hoist exercises will occur
- Simulated guy anchor head: two 3/4 in. holes (minimum 1/2 in. spacing), 3/4 in. leading edge, maximum 1/2 in. steel. Secured to ground at height of 1-3 ft., 10-15 ft. from the tower leg base, in alignment with guy pull-off.

#### CAPSTAN USE TASKS RELATED MATERIALS

- Hubbell/Chance Series 90 Capstan Hoist
  - Must accommodate a minimum 15-deg rotational adjustment (Note: chain-mounted or receiver-mounted with swivel base)
  - Rope bar
  - Rope lock
  - Pedal
- 1000 # anchor for capstan hoist (e.g. floor mount, truck, pole), 15-30 ft. from tower leg base where block is installed
- Extension cords
  - 50 ft. length 14/3 AWG extension cord
  - 50 ft. length 12/3 AWG extension cord
  - 100 ft. length 10/3 AWG extension cord
- Ground Fault Circuit Interrupter (GFCI)
- Simulated Load: Hoist bucket with minimum 50# WLL filled with ~ 50 # (e.g. sand bags)
- Minimum 1000# WLL block compatible with rope size and WLL
- One 3-4 ft. length synthetic slings (minimum 2100# WLL in choker configuration)
- Tag line: 50 ft. length of 3/8 in. - 1/2 in. rope

#### GUY WIRE TASK RELATED MATERIALS

##### Tools

- 5/16 in. × 6 in. flathead screwdriver
- Straight jaw tongue & groove adjustable pliers — 10 in. (aka “Channel Locks”)
- 8-10 in. adjustable wrench (aka “Crescent wrench”)
- 12 ft. tape measure
- 6 in. Vernier caliper

##### Thimbles (domestic manufacturer)

- Two 1/2 in. light
- Two 3/8 in. heavy
- Two 3/8 in. light
- Two 1/2 in. heavy
- Two 5/8 in. light

*Note: Ensure all thimbles are opened*

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#### End Sleeves (domestic manufacturer)

- One 1/2 in.
- One 5/8 in.
- One 3/8 in.
- One 7/16 in.

#### Turnbuckles (domestic manufacturer)

- One 3/8 in. jaw & jaw
- One 1/2 in. jaw & eye
- One 5/8 in. jaw & eye
- One 5/8 in. jaw & jaw

#### Shackles (domestic manufacturer)

- One 1/2 in. screw-pin
- Two 5/8 in. screw-pin
- One 7/16 in. bolt-pin
- One 7/16 in. screw-pin
- Two 3/8 in. bolt-pin

*Note: Candidates may use shackles for capstan hoist tasks*

#### Dead-end grips (Preforms) (domestic manufacturer)

- Two 5/16 in.
- Two 7/16 in.
- Two 3/8 in.
- Two 1/2 in.

#### Guy strands

- 15–20 ft. length, 1×7 Extra High Strength, 3/8 in. size
- 15–20 ft. length, 1×7 Extra High Strength, 7/16 in. size
- 15–20 ft. length, 1×7 Extra High Strength, 1/2 in. size
- 15–20 ft. length, 6×19 IWRC galvanized, 3/8 in. size

#### SAFETY

- First Aid Kit (OSHA/ANSI standard)
- Portable 8 ft. ladder or other similar device (e.g., aerial work platform)
- 12 safety cones
- Document the rescue plan. This will need to be communicated to each candidate.

Rescue Plan (attach if a separate document):

#### OTHER MATERIALS

- One 6 ft. table

# SITE REPORT (CONT'D)

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### GENERAL NOTES

- All equipment/rigging used must be in compliance with ANSI/ASSE A10.48
- It is recommended that back-up equipment and materials be available in case of unexpected malfunction or damage occurs
- Ensure replacement hardware is available
  - Recommended that galvanized hardware be used at all times
  - Recommended to have a tap and die set available

### PRACTICAL EXAMINER MATERIALS NEEDED:

- Personal Protective Equipment (PPE)
  - Hard hat (ANSI Z89)
  - Safety glasses/eye protection (ANSI Z87)
  - Work boots
  - Gloves
- Clipboard
- Pen
- 12 ft. measuring tape
- Countdown timer (1.5 hours) visible to candidate
- Digital camera
- TTT-2 Guy wire assembly drawings (laminated)
- TTT-2 Verbatim Instructions
- TTT-2 Practical Score Sheets

**Deviations from the above-noted requirements are not allowed without consent from NWSA. If consent is received, please document any deviations:**

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### PRACTICAL EXAMINER ATTESTATION

<i>I attest that this is a true and accurate report of the above-named Test Site.</i>			
PRACTICAL EXAMINER SIGNATURE	PRINTED NAME OF PRACTICAL EXAMINER	PRACTICAL EXAMINER'S ACCREDITATION #	DATE

***This Site Report is to be completed by the Practical Examiner prior to each testing session and sent with candidate score sheets to:***

NWSA—Testing Services  
5250 S. Commerce Drive, Suite 100  
Murray, UT 84107

Phone: 703-459-9211  
Fax: 703-459-9124  
Email [nwsa@nws-a.org](mailto:nwsa@nws-a.org)