NATIONAL WIRELESS SAFETY ALLIANCE

PRACTICAL TEST SITE COORDINATOR HANDBOOK

- Telecommunications Tower Technician 1 (TTT-1)
- Telecommunications Tower Technician 2 (TTT-2)
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Dear NWSA Practical Test Site Coordinator,

Welcome to the National Wireless Safety Alliance (NWSA) telecommunications technician certification program.

The NWSA is a nonprofit organization founded in 2015 to establish a fair and independent evaluation of telecommunications technician knowledge and skills. Key to this industry-led effort was the development of the NWSA Written and Practical Exams. These nationally recognized certification programs are the culmination of diligent hard work by experts representing various industry stakeholders that use and understand the services of telecommunications technicians.

The NWSA Telecommunications Tower Technician (TTT) Task Force that developed this certification program was made up of experts from all aspects of the communications industry—tower technicians, carriers, tower owners, contractors, trainers, manufacturers, and suppliers—who together represent many thousands of hours of tower-related experience. These volunteers gave freely of their time and expertise with the primary goal of improving the safety of all whose work brings them into contact with communication structures and related equipment.

To ensure NWSA exams are—and remain—valid measurements of technicians’ proficiency, NWSA teamed up with the National Commission for the Certification of Crane Operators (NCCCO) for its exam development expertise and with the TTT Task Force for its knowledge and experience. In addition to guiding the development of new exams, NWSA continually analyzes the performance of its exams and reports to the Exam Management Committees. To be able to provide fair and independent assessments, NWSA does not conduct training, nor does it provide training materials.

NWSA, as a third-party certification body, is fully committed to and understands the importance of delivering all certification activities on a foundation of impartiality. All policies and procedures are established in an objective manner and ultimately strive to achieve fairness throughout all activities. NWSA prevents any conflicts of interest through detailed policies and procedures observed by staff, governing body representatives, and those involved in practical exam administration.

This Practical Test Site Coordinator Handbook has been developed to provide you with comprehensive information about administrating NWSA Practical Exams leading to NWSA’s Telecommunications Tower Technician 1 and Telecommunications Tower Technician 2 certifications. NWSA recognizes the commitment you are about to make, and we want your experience to be a positive and successful one. If, after reading this handbook, there is anything you do not fully understand, please call NWSA at 703-459-9211 or email nwsa@nws-a.org and NWSA staff will guide you through any aspect of the NWSA national telecommunications technician certification program that you would like explained in greater detail.

Thank you for your interest in the NWSA telecommunications technician certification program.
# Table of Contents

PRACTICAL EXAMINATION PROCESS ............................................................... 1

HOSTING AND ADMINISTERING NWSA PRACTICAL EXAMS .................. 3

- Criteria for Practical Exam Test Sites ............................................................ 3
- NWSA TTT-1 Universal Antenna Mount Assembly Ordering ................. 3
- Intent to Test .................................................................................................. 3
- Practical Test Site Coordinator .................................................................... 4
- Practical Examiner ....................................................................................... 4
- Applying to Host a Practical Exam ................................................................. 4
- Secure Practical Exam Test Sites ................................................................. 4
- Score Reporting ............................................................................................ 4
- Audit Program .............................................................................................. 5

PRACTICAL TEST SITE COORDINATOR FORMS .................................... 7

- Practical Test Site Application ..................................................................... 9
- Test Site Coordinator Agreement ................................................................. 11
- Candidate Application .................................................................................. 13
- Detailed Score Report Request Form ......................................................... 15
- Security Requirements Report ..................................................................... 17

PRACTICAL TEST SITE COORDINATOR RESOURCES—

TELECOMMUNICATIONS TOWER TECHNICIAN 1 .................................. 19

- Weatherproofing Skeleton Drawing ......................................................... 21
- Practical Exam Test Site Setup Instructions .............................................. 23
- Site Report .................................................................................................. 25

PRACTICAL TEST SITE COORDINATOR RESOURCES—

TELECOMMUNICATIONS TOWER TECHNICIAN 2 ................................. 29

- Practical Exam Test Site Setup Instructions .............................................. 31
- Site Report .................................................................................................. 33
TWO OR MORE WEEKS BEFORE THE PRACTICAL EXAM...

STEP 1
The Practical Test Site Coordinator identifies:
- The Practical Examiner who will conduct test and ensure score sheets are ordered
- The approximate date(s) of test
- Number of candidates to be tested

STEP 2
The Practical Test Site Coordinator completes the Practical Exam Test Site Application and sends it to NWSA for processing.

ONE OR MORE WEEKS BEFORE THE PRACTICAL EXAM...

STEP 3
The Practical Test Site Coordinator:
- Sets scheduling of the test with the Practical Examiner
- Prepares the Practical Exam Test Site in accordance with NWSA requirements

TWO OR MORE DAYS BEFORE THE PRACTICAL EXAM...

STEP 4
The Practical Test Site Coordinator or Practical Examiner:
- Notifies NWSA of the intent to test via the NWSA website no less than two business days prior to testing

ON THE DAY OF THE PRACTICAL EXAM...

STEP 5
The Practical Examiner:
- Conducts a full site inspection and completes a Site Report for each Practical Exam site, prior to testing (preferably done at least the day before in case the site needs corrections)
- Reviews the Practical Exam Candidate Application for each candidate
- Administers the Practical Exam(s)

AFTER THE PRACTICAL EXAM...

STEP 6
The Practical Examiner sends the following documents to NWSA (preferably by scan-and-email):
- Practical Test Administration Summary Form
- Candidate Score Sheets
- Candidate Applications with candidate photos (digital)
- Site Report(s)

WITHIN 12 BUSINESS DAYS AFTER RECEIVING THE NECESSARY DOCUMENTS...

STEP 7
NWSA processes Candidate Score Sheets and sends:
- Score reports to candidates and, if applicable, certification cards
- A Pass/Fail Score Report and/or Detailed Score Report (if requested) to the Practical Test Site Coordinator
Facilities seeking to serve as NWSA Practical Test Sites must meet all the following criteria for hosting a Practical Exam. If the facility meets the stated criteria, NWSA will provide all the information necessary to schedule Practical Exams.

**Criteria for Practical Test Sites**

Each Practical Exam Test Site facility must arrange to have on site the following:

- A designated Practical Test Site Coordinator
- An NWSA Accredited Practical Examiner
- A tower for climbing in compliance with the information provided on the Site Report
- All testing materials listed in the Site Report
- An area suitable for administrating the practical exam (see practical test site setup instructions for details).
- A location suitable for the Pre-Test Briefing of exam candidates and a waiting area.

In addition, Practical Test Sites must pay an annual $250 site fee at the time of application and before the first practical test of each calendar year thereafter. If running several NWSA exams at that location over the course of the year, only one Practical Test Site fee is charged on an annual basis. Employers or organizations with more than one Practical Test Site must pay an additional $50 fee for each additional site. Please note these additional sites must be directly tied to the same company to receive the reduced price. Candidate Score Sheets from exams conducted at Practical Test Sites that have not paid the annual fee will not be processed.

Please note that practical test sites and Practical Examiners are permitted to charge additional fees for the use of their facilities and their time in coordinating and administering practical exams. NWSA has no involvement in setting these fees and none of these fees are collected by NWSA.

Practical Test Sites are established by the physical address where the tower and materials are located. Multiple companies and/or sites are not permitted to be established under the same address.

Should a Practical Test Site need to become inactive, it must provide the following information to NWSA in writing:

- NWSA Practical Test Site Number
- Company Representative
- Company
- Contact information (phone and email)
- Company Representative signature

No site will be discontinued without this documentation. Any Practical Test Sites that become inactive (i.e. do not pay their annual test site fee) will be treated as a new test site and must follow the requirements for new test sites should they want to become approved again in the future.

**NWSA TTT-1 Universal Antenna Mount Assembly Ordering**

For the TTT-1 practical exam, the test site is required to order a custom designed antenna mount assembly specifically created for NWSA testing purposes. The assembly includes all of the mount components, the mounting pipe, and all the necessary hardware. Test sites must order the assembly from the authorized vendor selected by NWSA. To place an order, you must be either an accredited NWSA Practical Examiner or a Practical Test Site Coordinator at an approved practical test site. If you do not already have the order form, please contact pe@nws-a.org to receive a copy. Practical Examiners and Practical Test Site Coordinators are able to purchase the entire assembly, or just additional hardware. Please note that test sites may replace the hardware on their own, if they prefer. Hardware detail is listed in the TTT-1 Site Report.

**Intent to Test**

The Practical Test Site Coordinator or Practical Examiner is required to provide notification via the online form on the NWSA website no less than two business days prior to any test administration. Changes or cancellations to testing plans are subject to the same notification requirement. Once a site has provided test notification to NWSA, that will be considered intent to test on that day and the site may be audited even if no testing occurs.
Practical Test Site Coordinator

The person designated by the host company or organization to liaise with NWSA on test administration matters is known as the Practical Test Site Coordinator. The Practical Test Site Coordinator is responsible for the following:

- Preparing a test area in accordance with the directions in the Practical Test Site Setup.
- Ensuring all items on the Practical Test Site Report are available and in proper condition prior to candidates testing
- Scheduling candidates to take the Practical Exam, and informing them of their test date, location, and time
- Liaising with the Practical Examiner and NWSA in all aspects of test preparation and administration
- Remaining at the Practical Test Site throughout each test administration (or appointing a designated representative)
- Have a direct email address to receive email notifications from NWSA (this may not be a shared address)

All Practical Test Site Coordinators and their designated representative are required to submit a completed Practical Test Site Coordinator Agreement form and submit to NWSA.

NWSA periodically emails Information Bulletins to all Practical Test Site Coordinators containing clarifications and updated policies. To remain in good standing, Practical Test Site Coordinators are required to abide by the information contained therein.

Practical Examiner

Practical Exams are conducted by NWSA-accredited Practical Examiners. NWSA does not assign a Practical Examiner for your site; if you do not already have a connection with a Practical Examiner, you can search a directory of accredited Practical Examiners available for hire on NWSA’s website at www.nws-a.org. Practical Examiners must have an email address as a condition of accreditation.

Practical Examiners may test only one candidate at one time. Testing two candidates simultaneously would require two Practical Examiners, and so on.

Only Practical Examiners are permitted to request official Candidate Score Sheets from NWSA. These must be ordered via the online form on the NWSA website at least two weeks prior to the intended test date.

Note: Please note that the role of the Test Site Coordinator can be assumed by the Practical Examiner. NWSA recommends, however, that two individuals be given the separate responsibilities as it will assist in candidate management and the administration process overall.

Applying to Host a Practical Exam

When the Practical Test Site Coordinator is ready to schedule a test, he/she must submit to NWSA a completed Practical Test Site Application. NWSA Practical Test Sites are registered by the host company for which the services are being provided, not the training company or the Practical Examiner.

The Practical Test Site Application shall be filled out under the company’s information for which the services are being provided (not the training company). All contact information (including an email address for the company contact person) must be provided. The training provider representative (if applicable) is not an acceptable contact person.

Practical Test Site Application(s) should be sent, along with all additional requested materials, to NWSA no later than two weeks prior to the desired test date. Note that all the information requested must be included; incomplete applications cannot be processed.

Secure Practical Test Sites

Practical Test Sites with limited access and/or enhanced security protocols that might interfere with the ability of testing personnel and/or NWSA staff and Auditor are required to indicate on their Practical Test Site Applications that they are secure sites. They must also complete the enclosed Security Requirements Report and provide any associated documentation (such as the site’s formal security policy), all of which should be submitted along with the Practical Test Site Application. All secure Practical Test Sites must submit completed Security Requirement Reports annually.

Practical Exam Fees

Exam fees for the practical exam are:

- Telecommunications Tower Technician 1: $100
- Telecommunications Tower Technician 2: $100

The appropriate fees must be submitted with the practical exam application through the Practical Test Site Coordinator. The same fees apply for retest exams.

Score Reporting

All candidates are mailed a report of their performance from NWSA approximately 12 business days after receipt of the Candidate Score Sheets from the Practical Examiner.

For candidates testing at their sites, Practical Test Site Coordinators will receive a summary of candidates’ pass/fail results. Practical Test Site Coordinators may also
request a Detailed Score Report using the form provided in this handbook. Note that all requests for Detailed Score Reports must include the release signature of each candidate.

Audit Program

NWSA conducts audits of Test Sites and/or Practical Examiners in alignment with the certification industry’s most rigorous accreditation requirements.

Practical Test Sites and/or Practical Examiners are selected for audits on the basis of a variety of criteria, including random selection, in response to issues reported by candidates, unusually high or low pass rates, or new Practical Test Sites.

Once a site has been selected for an audit, the Practical Test Site Coordinator or company representative from the site may be notified by letter from NWSA prior to the scheduled test day. In addition, the auditor will contact the Practical Test Site Coordinator or company representative to verify the testing date and the site address. Unannounced audits may also be conducted.

It is a condition of Practical Examiner accreditation and Practical Test Site status that all Practical Test Site personnel, including the Practical Test Site Coordinator and Practical Examiner, cooperate fully with the NWSA auditor during the audit process.

Practical Examiners who have been audited and have been notified that an additional audit is required will be responsible for the expenses incurred by NWSA for the additional audit. Any practical exams conducted by the Practical Examiner will not be scored until NWSA has been reimbursed for the incurred expenses.
PRACTICAL TEST SITE COORDINATOR FORMS

Telecommunications Tower Technician

- Practical Test Site Application
- Practical Test Site Coordinator Agreement
- Candidate Application—Practical Exams
- Detailed Score Report Request Form
- Security Requirements Report
Practical Test Site Application
TELECOMMUNICATIONS TOWER TECHNICIAN

Please type or print neatly.

HOST COMPANY REPRESENTATIVE

HOST COMPANY NAME

HOST COMPANY MAILING ADDRESS

CITY

STATE

ZIP

COUNTRY

HOST PHONE

HOST EMAIL

TEST SITE ADDRESS (Physical address of where the exam(s) will be conducted; P.O. Boxes not acceptable)

CITY

STATE

ZIP

COUNTRY

PROGRAM(S) TO BE TESTED AT THIS SITE (CHECK THE APPROPRIATE BOXES):

❑ Telecommunications Tower Technician 1

❑ Telecommunications Tower Technician 2

If this is your first Test Site Application for this company:

❑ $250 Site Fee for ________ (year) enclosed

❑ $250 Site Fee for ________ (year) already paid

If this is your second (or more) Test Site Application for this company, what is the first NWSA Test Site Number assigned to this company? _______________________

❑ $50 Site Fee for ________ (year) enclosed

The Test Site Coordinator or Company Representative assumes total responsibility for the following items:

1. Verification that candidate’s application for the Practical Exam is complete

2. Abiding by NWSA Practical Test Site Audit requirements

SIGNATURE

DATE

METHOD OF PAYMENT FOR TEST SITE FEE

Do not send cash.

❑ Personal check enclosed

❑ Employer check enclosed

❑ Money order enclosed

IMPORTANT: Please do not staple your check or money order.

If paying by credit card, please complete the following information:

CREDIT CARD NUMBER

EXPIRATION DATE

NAME (Print as it appears on card)

SIGNATURE (on card)

SECURITY CODE* (Three- or four-digit code located on the card)

Checks and money orders should be payable to: NWSA

Please send application and payments 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

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Test Site Coordinator Agreement
FOR NWSA PRACTICAL EXAMS

Thank you for your application to be a Practical Test Site Coordinator for NWSA Practical Exams. Practical Test Site Coordinators play a critical role in the NWSA examination process, from the initial site application, through the collection and submission of candidate applications to NWSA to serving as liaison with the Practical Examiner on test day. To ensure a smooth administration of NWSA certification exams, it is critical that Practical Test Site Coordinators fulfill their duties in a competent and professional manner. Please review the following Agreement and sign below where indicated, acknowledging that you have read and understood this Agreement and that, should your application be successful, you agree to abide by all of its provisions. NOTE: If your employment or affiliation changes from the company/organization listed below, you must complete and execute a new form.

As a Practical Test Site Coordinator for NWSA Practical Exams, I certify and acknowledge that:

1. I will not disclose (nor cause to be disclosed) to anyone outside of NWSA any confidential information I obtain as a result of my participation as a Practical Test Site Coordinator in the NWSA certification program, including, without limitation, the content of any examination.

2. I have read all applicable NWSA policies and procedures, particularly those detailed in the Practical Test Site Coordinator Handbook, and I agree to be bound by the same.

3. I have read NWSA’s Criteria for Practical Test Sites and agree to prepare all Practical Test Sites in accordance with the general directions set forth therein.

4. I agree to provide authorized personnel with access to the Practical Test Site on test day and to remain (or arrange for my designated representative(s) to remain) at the Practical Test Site throughout the test administration.

5. If I arrange for one or more representatives to remain at the Practical Test Site, I agree to explain the responsibilities and obligations of a Practical Test Site Coordinator to such persons and to ensure their compliance therewith.

6. I understand that the site for which I am a Practical Test Site Coordinator may be audited by NWSA, with or without notice, and that I am required to cooperate fully with the NWSA Auditor.

7. I agree to meet all applicable deadlines for submitting the Practical Test Site Application with all necessary supporting documentation.

8. I agree to ensure that all Candidate Applications I submit are complete and in compliance with stated NWSA policies and procedures, including any required payments.

9. I agree to pay any and all fees that are due in a timely fashion, including any additional fees I may incur by submitting incomplete or late applications.

10. I agree not to make, and not to knowingly allow any other person to make, any material misrepresentation or omission of fact in any document I submit to NWSA.

11. I am acting on my own behalf and/or on behalf of the company or organization set forth below, and I am not acting to circumvent a prior NWSA suspension or revocation.

12. I agree to conduct my affairs with NWSA, any Practical Examiner or Auditor, clients, and candidates in a professional manner, according to accepted codes of business conduct.

I understand that non-compliance with any of these provisions may result in the revocation or suspension of my status as a Practical Test Site Coordinator for NWSA Practical Exams. I agree that any questions or other matter arising under this agreement will be governed by and construed in accordance with the laws of the Commonwealth of Virginia, without regard to choice of law rules. All actions and proceedings arising out of or relating directly or indirectly to this agreement will be filed and litigated exclusively in any state court or federal court located in the Commonwealth of Virginia. I expressly consent to the jurisdiction of these courts.

Signed

Date

Name

Email

Company/Organization

Address

City

State

Zip

Country

Telephone

Cell

Please complete and submit 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

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# Candidate Application

**PRACTICAL EXAMINATIONS—TELECOMMUNICATIONS TOWER TECHNICIAN**

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<th>First</th>
<th>Middle</th>
<th>Last</th>
<th>Suffix (Jr., Sr., III)</th>
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<td>NWSA CERTIFICATION NUMBER (if previously certified)</td>
<td>DATE OF BIRTH (MM/DD/YYYY)</td>
<td>CANDIDATE ID: (if previously tested)</td>
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## TEST SITE LOCATION AT WHICH YOU INTEND TO TAKE THE PRACTICAL EXAMINATION:

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<th>TEST SITE COORDINATOR NAME</th>
<th>NWSA PRACTICAL TEST SITE #</th>
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## CANDIDATE ATTESTATION STATEMENT:

I declare that the foregoing statements and those in any required accompanying documentation are true. I understand and agree that my failure to provide accurate and complete information or abide by NWSA’s policies and procedures, including the Code of Ethics, shall constitute grounds for the rejection of my application, or denial or revocation of my certification. I understand that NWSA reserves the right to verify any information in this application or in connection with my certification. I consent to NWSA’s release of any information regarding this application and my examination administration to third parties, consistent with NWSA’s Information Release policy. I have received a copy of the NWSA Candidate Handbook, have read it, and agree to be bound by it. I also agree to be bound by all NWSA policies and procedures, as they may be amended from time to time, including without limitation those posted at nws-a.org. I further attest that I am physically and mentally capable of safely conducting the tasks on the day of the Practical Examination. I understand and agree that any personal injury and/or property damage resulting from or caused in any way by my participation in the NWSA Practical Examination is not and shall not be the responsibility of NWSA. I understand that if at any point during my certification period I fail to meet any of the requirements outlined above, or if matters arise that can affect my capability to continue to fulfill certification requirements, I must report it to NWSA immediately and agree to cooperate with any subsequent investigation regarding such matters.

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CANDIDATE APPLICATION (CONT’D)

PRACTICAL EXAMINATIONS—TELECOMMUNICATIONS TECHNICIAN

NWSA CERTIFICATION CARD

Candidates who meet all the requirements for certification in any one designation are issued a certification card at no charge. Replacement and updated cards are available for an additional fee; see panel below.

Please email a digital color photo (head and shoulders, without hat or sunglasses) to your Test Site Coordinator and label it with your full name and birth date.

A 1½” X 1¾” passport color photo may be substituted for a digital photo; if submitting a passport photo, please give it to your Test Site Coordinator.

PRACTICAL EXAMINATION FEES

Checks and money orders must be made payable to NWSA. Credit cards (Visa, Master Card, or American Express) may be used by completing the credit card information below.

Check the box(es) next to the Practical Exam type(s) for which you are registering.

Practical Examination Fees:
- Telecommunications Tower Technician 1: $100
- Telecommunications Tower Technician 2: $100

METHOD OF PAYMENT FOR CANDIDATE EXAMINATION FEES

Checks and money orders should be payable to: NWSA

Do not send cash.

If paying by credit card, complete the following information:

CREDIT CARD NUMBER

EXPIRATION DATE

NAME (Print as it appears on card)

SIGNATURE (on card)

SECURITY CODE* (Three- or four-digit code located on the card)

* Please do not staple your check or money order.

Personal check enclosed

Employer check enclosed

Money order enclosed

Do not send this application to NWSA or NWSA Testing Services. Give this application, along with payment and all necessary documentation, to your Test Site Coordinator on test day.
Detailed Score Report Request Form
FOR NWSA PRACTICAL EXAMINATIONS

If you wish to receive a Detailed Score Report on candidates taking the NWSA examination(s), please fill out this form and submit it, along with a $50 processing fee, to NWSA when you return your test administration materials for each administration:

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

You must submit this form for each test administration. Scores are the property of the candidate, and his/her consent must be obtained before NWSA can release the scores to a third party. Please have the candidate sign under the release statement below.

Please type or print neatly:

NAME OF REQUESTOR

COMPANY NAME

MAILING ADDRESS

CITY

STATE

ZIP

COUNTRY

NWSA PRACTICAL TEST SITE #

TEST DATES

SIGNATURE

CANDIDATE RELEASE STATEMENT

Notice to Candidate: By signing this form, you are giving your permission to the National Wireless Safety Alliance (NWSA) to release the details of your test scores directly to the person listed above as the “Requestor.”

CANDIDATE NAME (printed) | DATE OF BIRTH (mm/dd/yyyy) | CANDIDATE RELEASE SIGNATURE
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2. | | 
3. | | 
4. | | 
5. | | 
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METHOD OF PAYMENT FOR DETAILED SCORE REPORT REQUEST

Do not send cash.

Checks and money orders should be payable to: NWSA

If paying by credit card, please complete the following information:

CREDIT CARD NUMBER

EXPIRATION DATE

SECURITY CODE*

NAME (Print as it appears on card)

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<td>32.</td>
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</table>
Security Requirements Report

A secured test site is a site that requires an additional security clearance or security procedures for off-site personnel. If the Practical Test Site Application indicates that the test site is a secure facility, please complete this form and submit it with the Practical Test Site Application.

Please type or print neatly.

<table>
<thead>
<tr>
<th>SECURITY CONTACT REPRESENTATIVE</th>
<th>NWSA PRACTICAL TEST SITE # (OBTAIN FROM TEST SITE COORDINATOR)</th>
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<table>
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<th>SECURITY CONTACT EMAIL</th>
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<tr>
<th>TEST SITE ADDRESS (Physical address of where the tower(s) will be set up; P.O. Boxes not acceptable)</th>
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</table>

<table>
<thead>
<tr>
<th>CITY</th>
<th>STATE</th>
<th>ZIP</th>
<th>COUNTRY</th>
</tr>
</thead>
</table>

1. Does the site have a secured entrance? ❑ Yes ❑ No

2. If the site has multiple entrances, which entrance should testing personnel and/or NWSA staff and Auditor use to access testing location?

3. What type(s) of credentials or proof of training are required to gain access to the site?

4. How much time is required for a security review?

5. Can security reviews be performed in advance of testing personnel and/or NWSA staff and Auditor arriving at a secure site? ❑ Yes ❑ No

6. Does the site have other site-specific requirements or protocols? (Describe below or attach written security policy.)

<table>
<thead>
<tr>
<th>SECURITY CONTACT SIGNATURE</th>
<th>DATE</th>
</tr>
</thead>
</table>

Please complete and submit 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
PRACTICAL TEST
SITE COORDINATOR
RESOURCES

Telecommunications Tower Technician 1

- Weatherproofing Skeleton Drawing
- Practical Test Site Setup Instructions
- Site Report
WEATHERPROOFING SKELETON DRAWING

PARTS LIST

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<td>2&quot; x 36&quot; SCH. 40 PVC PIPE</td>
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<td>7</td>
<td>1</td>
<td>BALLAST</td>
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NOTES:

1. USE PVC CEMENT TO SECURE ADAPTER ① TO LOWER PIPE AND UPPER PIPE ②.
2. INDICATOR LINE TO BE PLACED ABOVE AND BELOW ADAPTER LOCATION.
3. CABLE SAW TO BE SECURED TO PIPE IN 3 PLACES WITH 3/4" WIDE TAPE.
4. BALLAST TO BE PLACED IN BUCKET TO SECURE PIPE AND LIMIT MOVEMENT. (CONCRETE, SAND, OR EQUAL)
It is the Test Site Coordinator’s responsibility to lay out the Practical Test Site. It is extremely important that all test equipment and materials meet the exact specifications established on the Site Report. Failure to do so could result in the test administration being declared invalid.

Before the Practical Examiner can begin testing, he/she will verify the site is laid out correctly using the Site Report for the appropriate practical exam (TTT-1 or TTT-2). Both Site Reports can be found in this handbook. Test Site Coordinators must use this form to verify that they have provided all the correct equipment and materials necessary for administering the practical exam.

The Practical Test Site Coordinator is responsible for properly setting up the TTT-1 practical test site. The Test Site Coordinator may rely on the Practical Examiner to properly set up the exam if they so choose. Ultimately, the Practical Examiner will be responsible for completing and signing the Site Report prior to testing occurring.

The Site Report should be referenced when laying out the test site as the details are contained within the document.

OVERALL SITE REVIEW
1. Ensure the location where testing is going to occur is free from environmental and hazardous conditions.
2. Determine where the candidate waiting area will be. Ensure waiting candidates are not able to view active testing.

INSPECT AND SET-UP TOWER
3. Inspect the test tower. Verify all dimensions as specified on the Site Report. Ensure that it is secured properly and suitable for climbing.
4. Select which tower leg will be used for mounting the antenna. Mark the mounting centerline at 8 ft. and label as “208 ft.” Identify which face candidates will climb.
5. Install hardline simulation on the tower. Ensure that the 6 ft. jumper will reach the end of connection prior to final placement and that there is horizontal and vertical displacement.
6. Decide what you will consider to be the appropriate anchorage points for the Personal Fall Arrest System (PFAS) and positioning.

INSPECT RIGGING MATERIALS
7. Inspect all rigging materials used and ensure compliance with the ANSI/ASSE A10.48 standards.

INSPECT AND SET UP ANTENNA, MOUNT, PIPE, AND JUMPER.
8. Setup the antenna by ensuring it meets specifications as detailed on site report, marking the centerline on the antenna (tape all the way around), and labeling with CL of 208 ft., down-tilt of 2-degrees.
9. Inspect antenna mount ensuring that all necessary components and hardware are present and in good working condition. Ensure everything is disassembled and presented in an organized fashion.
10. Inspect antenna pipe ensuring it is the proper diameter and length, and has the appropriate rigging hole as specified on site report.
11. Inspect ½ in. coax jumper and install tape at 18 in. from each end.

RIG AND SET UP TOWER
12. On the tower leg marked for the antenna, at a minimum height of 15 ft., rig the Self-Retracting Device (SRD) properly to the tower. A certified anchor point can be used in lieu of a sling.
13. Below the SRD, at a minimum height of 15’, rig the 2-part hoisting system properly. Ensure it is well above the mounting location and that it will not interfere with the SRD when candidate climbs. Again, consider which tower face the candidate will be required to climb. Feed through enough rope for the loop to reach the ground. Install the second block with a shackle which will attach to the load.
14. Set a ground anchor point for hoisting at the tower base or no more than 30 ft. from the tower base.
15. At the ground anchor point, place the appropriate Progress Capture System while lifting the antenna into position.
16. Alternatively, a capstan hoist may be used to perform all lifts using a single part line with a minimum 15 ft. anchor point for the top block. Capstan must be rated for all lifts. Inspection and operation is the responsibility of the Practical Examiner prior to and during the exam. Ensure that the proper extension cord is used. Check the GFCI and foot pedal are in proper working order prior to the exam. The use of a trolley block will be permitted if necessary. As a reminder, all rigging must meet ANSI/ASSE A10.48. If utilizing a Capstan Hoist, it must be equipped with the manufacturer’s rope lock device to secure a suspended load. Ensure proper fleet angle.
SET UP GROUND WORK STATION

17. Near the tower, set up one table for antenna mount assembly. Place antenna, mount components, pipe, and all hardware on the table. Secure the pipe from rolling off the table. Ensure all components and hardware are disassembled.

18. Set up a second table and neatly layout all tools and jumper support materials.

19. Ensure that you have sufficient replacement materials for all items associated with the exam (e.g. rigging, blocks, hardware).

20. Place the clock/timer in a location visible to the candidate. Ensure it has sufficient batteries/power for the duration of testing.

SET-UP WEATHER PROOFING STATION

21. Inspect the weatherproofing skeleton as specified on the weather proofing skeleton drawing and install the zip saw.

22. Near the tower, set up a station and place the weatherproofing skeleton on the ground, and provide a chair for the candidate to sit in for the task.

23. Place the 3/4 in. tape, 2 in. tape, butyl tape, and scissors at the station. Note: if testing multiple candidates, ensure sufficient supplies for all candidates.

COMPLETE SAFETY SURVEY

24. Place the First Aid Kit in an easily accessible location.

25. Determine and document the Emergency Action Plan including the location of the nearest medical facility, muster area.

26. Identify potential hazards and develop a mitigation plan for these hazards.

27. Develop a site-specific rescue plan and ensure that all necessary elements of the rescue system are present and in good working condition.

28. It is recommended that the practical test site have additional PPE available in case candidates either do not bring PPE or their PPE fails inspection.

PRACTICAL EXAMINER PREPAREDNESS

29. Ensure the Practical Examiner has the required PPE (hard hat, work boots, gloves, safety glasses) and it is in good working condition.

30. Communicate the job hazard analysis and site-specific rescue plan to the Practical Examiner. Please note it is the Practical Examiner’s responsibility to document the rescue plan on the Site Report.

31. Verify that the Practical Examiner has all of the required tools, instructions sheets (antenna mount drawings, jumper connection drawings, and weatherproofing instructions), verbatim instructions and score sheets in the proper amounts and ready to complete for each candidate.
Site Report

PRACTICAL EXAMINATION—TELECOMMUNICATIONS TOWER TECHNICIAN 1

NWSA has established specific conditions and guidelines that each Practical 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 lay out 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 PRACTICAL TEST SITE #

NAME OF TEST SITE COORDINATOR

DATE

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)

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 within the working exam area
☑ 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-support is acceptable
  — Round leg or angle leg is acceptable
  — Straight or tapered is acceptable
☑ Properly secured to ground and stable
☑ Must allow for proper installation of designated jumper support materials in the proper location (see below)
SITE REPORT (CONT’D)
PRACTICAL EXAMINATION—TELECOMMUNICATIONS TOWER TECHNICIAN 1

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 3 ft. – 4 ft. length synthetic sling (minimum 2100# WLL in choker configuration)
  - For top block connection
☐ Minimum ½ in. shackle (minimum 4000# WLL / self-closing 3500# WLL)
  - For top block connection
☐ Capture Progress system with a 500# WLL
  - Installed at the tower base or a maximum of 30 ft. from the tower base
☐ Block-and-Prusik/Autoblock configuration or capstan hoist with rope lock are acceptable methods
  - If lifting will be done by hand, a two-part block configuration is required (minimum 1000# WLL with compatible size rope)
☐ Minimum 50 ft. length of 3/8 in. – 1/2 in. kernmantle or double braid load rope (500# WLL)
☐ One 1/2 in. shackle (minimum 4000# WLL)
  - Used for connecting pipe mount to hoisting system
☐ One minimum 20 ft. self-retracting device (SRD) with proper method of attachment to secure anchor point
  - Meets Z359.14-2012 Class A or Class B standard (must have maximum arresting distance of 36 in. or less)
☐ 3/4 in. clearly visible marking tape at 8 ft. mark of tower leg where antenna will be mounted
☐ 24 in. length of coax (1/2 in. – 1 5/8 in.) with DIN female connector (top end) with secure method of attachment to tower
  - Verify that connection can be made based on location of antenna port (when mounted) and the available jumper.
    Jumper routing should have horizontal and vertical displacement.

ANTENNA MOUNT ASSEMBLY AND JUMPER CONNECTION TASKS MATERIALS

Antenna and Mount

☐ Antenna with bottom- or back-fed DIN female port with adjustable down-tilt bracket. Centerline marked with tape all the way around. Label with centerline height and down-tilt.
  - 42 in. – 60 in. height
  - Maximum 18 in. width
  - Maximum 12 in. depth
  - Maximum 100#
☐ NWSA universal antenna mount assembly (must be purchased from authorized NWSA materials provider, see order form)
☐ NWSA mounting pipe (must be purchased from authorized NWSA materials provider, see order form)
☐ Antenna mount hardware
  - Two 1/2 in. × 3-1/2 in. × 2-3/8 in. U-bolts
  - Four 1/2 in. × 1-3/4 in. bolts
  - Four 1/2 in. × 6-1/2 in. saddle bolts
  - Four 1/2 in. × 3/4 in. hex nuts
  - Eight 1/2 in. × 7/8 in. hex nuts
  - Twelve 1/2 in. lock washers
  - Four 1/2 in. flat washers

Jumper

☐ 6 ft. length 1/2 in. jumper assembly (DIN Male-DIN Male)—cannot be Superflex
  - Marked 18 in. from each end
SITE REPORT (CONT'D)
PRACTICAL EXAMINATION—TELECOMMUNICATIONS TOWER TECHNICIAN 1

NWSA Practical Test Site #: ______________

PAGE 3 of 4

Tools
- 5/16 in. – 1/2 in. nut driver set
- 5/16 in. – 7/8 in. (6-point) socket set 3/8 in. drive
- 10 in. or 12 in. adjustable spud wrench
- 5/16 in. – 7/8 in. ratcheting box end wrench set
- 8 in. or 10 in. adjustable wrench (aka "Crescent wrench")
- 7/16 DIN torque wrench (1-1/4 in., 18–22 lb-ft (25–30 Nm))
- Straight jaw tongue & groove adjustable pliers - 10 in. (aka "Channel Locks")
- 7 in. curve jaw locking pliers (aka “Vice Grips")
- 5/16 in. x 6 in. flathead screwdriver
- #2 Phillips screwdriver
- Digital level with spare batteries (minimum 7 in. length)
- Tape measure (12 ft. minimum)

Materials
- Four 1/2 in. snap-ins
- Four 1/2 in. butterfly hangers
- Four universal (3/8 in.) hole angle adaptors
- Four universal (3/4 in.) hole angle adaptors
- Four wide stand offs (3/4 in.) hole
- Four 3-run stand offs (3/4 in.) hole
- Four 3/8 in. hole inserts for 3/4 in. hole
- Four round member adapter hose clamps (sized per structure)
- 3/8 in. stainless steel hardware (with washers) for butterflies
- 6 in. all thread kit
- Four 7/8 in. snap-ins
- Four 7/8 in. butterfly hangers

Candidate Hoisting Materials
- Hoist bucket with minimum 50# WLL

WEATHERPROOFING TASK MATERIALS
- Weatherproofing “skeleton”—see design criteria in Practical Test Site Coordinator Handbook
- Weatherproofing kit (per candidate)
  - 2 in. rolls of tape
  - 3/4 in. rolls of tape
  - Butyl tape
  - 5-1/4 in. electrician scissors (or comparable)

TYING KNOTS TASKS MATERIALS
- Minimum 8 ft. length of 3/8 in. – 1/2 in. rope

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

Rescue Plan (attach if a separate document):
OTHER MATERIALS

☐ Two 6 ft. tables
☐ Two chairs

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
☐ NWSA TTT-1 radius measurement tool (provided by NWSA)
☐ Clipboard
☐ Pen
☐ Tape measure (12 ft. minimum)
☐ Countdown timer (2 hours) visible to candidate
☐ Digital camera (mobile phone camera may be used)
☐ TTT-1 Antenna Mount Detail Drawings for both round leg and angle leg towers (laminated)
☐ TTT-1 Jumper Installation Detail Drawings (laminated)
☐ TTT-1 Verbatim Instructions
☐ TTT-1 Practical Score Sheets

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


PRACTICAL EXAMINER ATTESTATION

I attest that this is a true and accurate report of the above-named Test Site.

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  Phone: 703-459-9211
5250 S. Commerce Drive, Suite 100  Fax: 703-459-9124
Murray, UT 84107  Email nwsa@nws-a.org
PRACTICAL TEST  
SITE COORDINATOR  
RESOURCES  

Telecommunications Tower 
Technician 2

- Practical Test Site Setup Instructions  
- Site Report
Practical Test Site Setup Instructions
TELECOMMUNICATIONS TOWER TECHNICIAN 2

It is the Test Site Coordinator’s responsibility to lay out the Practical Test Site. It is extremely important that all test equipment and materials meet the exact specifications established on the Site Report. Failure to do so could result in the test administration being declared invalid.

Before the Practical Examiner can begin testing, he/she will verify the site is laid out correctly using the Site Report for the appropriate practical exam (TTT-1 or TTT-2). Both Site Reports can be found in this handbook. Test Site Coordinators must use this form to verify that they have provided all the correct equipment and materials necessary for administering the practical exam.

The Practical Test Site Coordinator is responsible for properly setting up the TTT-2 practical test site. The Test Site Coordinator may rely on the Practical Examiner to properly set up the exam if they so choose. Ultimately, the Practical Examiner will be responsible for completing and signing the Site Report prior to testing occurring.

The Site Report should be referenced when laying out the test site as the details are contained within the document.

OVERALL SITE REVIEW

1. Ensure the location where testing is going to occur is free from environmental and hazardous conditions.
2. Determine where the candidate waiting area will be. Ensure waiting candidates are not able to view active testing.

INSPECT AND SET-UP TOWER

3. Inspect the test tower. Verify all dimensions as specified on site report. Ensure that it is secured properly and suitable for climbing.
4. Select which tower leg will be used for guy lug pull off installation. Mark the mounting centerline at 10’ ± 1’ for guy pull off lug. Install guy pull off lug off the apex of the leg.
5. Select which tower leg will be used for capstan hoist tasks. It cannot be the same leg as where guy pull off lug is located. Mark the centerline at 6’.
6. Decide what you will consider to be the appropriate anchorage points for the Personal Fall Arrest System and positioning.

INSPECT RIGGING MATERIALS

7. Inspect all rigging materials used and ensure compliance with the ANSI/ASSE A10.48 standards.

RIG TOWER AND SET UP HOIST BUCKET

8. On the tower leg with the guy pull off lug, at a minimum height of 13’, rig the Self Retracting Device (SRD) properly at the top of the leg. A certified anchor point can be used in lieu of a sling.
9. On the tower leg for the capstan hoist tasks, rig the top block properly at a minimum height at 13’.
10. For the guy wire task, secure the anchor head to the ground at a distance of 10’-15’ from the tower leg. Ensure the anchor head meets the specifications from the site report.
11. For the capstan tasks, install an anchor point with a rating of minimum 1000 lb at a distance of 15’-30’ perpendicular to the tower.
12. If using a truck, chock wheels, ensure in park or in gear, and set emergency brake.
13. Inspector capstan hoist and secure it to mount. Ensure swivel capability, and set capstan hoist parallel to the tower.
14. Lay out foot pedal, extension cords, and GFCI next to capstan hoist. Test to ensure proper functionality. Unplug all materials.
15. Place rated hoist bucket loaded with 50 lb (e.g., sand) near tower.
16. Lay out tagline rope near tower.

SET-UP GROUND WORK STATION

17. Near the anchor head, set-up one table for the guy wire assembly materials. Place materials in an organized fashion on the table. Ensure all components are disassembled. Ensure that all thimbles are open. Ensure all turnbuckles are threaded all the way in.
18. Lay out guy wires on the ground next to anchor head.
19. Ensure that you have sufficient replacement materials for all items associated with the exam (e.g. dead end grips, rigging, blocks, hardware). In particular, it is expected that dead end grips will be able to be used 3-5 times before needing to be replaced.
20. Place clock/timer in a location visible to the candidate. Ensure it has sufficient batteries power for the duration of testing.
COMPLETE SAFETY SURVEY

21. Place First Aid Kit in an easily accessible location.

22. Determine and document the Emergency Action Plan including the location of the nearest medical facility, muster area.

23. Identify potential hazards and develop a mitigation plan for these hazards.

24. Develop a site-specific rescue plan and ensure that all necessary elements of the rescue system are present and in good working condition.

PRACTICAL EXAMINER PREPAREDNESS

25. Ensure the Practical Examiner has the required PPE (hard hat, work boots, gloves, safety glasses) and it is in good working condition.

26. Communicate the job hazard analysis and site-specific rescue plan to the Practical Examiner. Please note it is the Practical Examiner’s responsibility to document the rescue plan on the Site Report.

27. Verify that the Practical Examiner has all of the required tools, instructions sheets (guy wire assembly drawings), verbatim instructions and score sheets in the proper amounts and ready to complete for each candidate.
Site Report

PRACTICAL EXAMINATION—TELECOMMUNICATIONS TOWER TECHNICIAN 2

NWSA has established specific conditions and guidelines that each Practical 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 lay out 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 PRACTICAL TEST SITE #

NAME OF TEST SITE COORDINATOR

DATE

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
- 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)
PRACTICAL EXAMINATION—TELECOMMUNICATIONS TOWER TECHNICIAN 2

NWSA Practical Test Site #: ______________
PAGE 2 of 4

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 or Class B standard (must have maximum arresting distance of 36 in. or less)
- 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”)
- Tape measure (12 ft. minimum)
- 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
SITE REPORT (CONT’D)
PRACTICAL EXAMINATION—TELECOMMUNICATIONS TOWER TECHNICIAN 2

NWSA Practical Test Site #: ______________

End Sleeves (domestic manufacturer)
- One 1/2 in.
- One 3/8 in.
- One 7/16 in.
- One 9/16 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)
PRACTICAL EXAMINATION—TELECOMMUNICATIONS TOWER TECHNICIAN 2

NWSA Practical Test Site #: ______________

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
☐ Tape measure (12 ft. minimum)
☐ Countdown timer (1.5 hours) visible to candidate
☐ Digital camera (mobile phone camera may be used)
☐ 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:

PRACTICAL EXAMINER ATTESTATION

I attest that this is a true and accurate report of the above-named Test Site.

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 Phone: 703-459-9211
5250 S. Commerce Drive, Suite 100 Fax: 703-459-9124
Murray, UT 84107 Email nwsa@nws-a.org
IMPORTANT CONTACT INFORMATION

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