ANTENNA & LINE SPECIALTY & FOREMAN CERTIFICATIONS

National Wireless Safety Alliance
July 24, 2019
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  - New Specialties (Future)

- Telecommunications Tower Technician II
- Telecommunications Tower Technician I

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2016 Launch of TTT-1 & TTT-2

NWSA Launches Telecommunications Tower Technician Certification Programs

(Fairfax, Virginia) - The National Wireless Safety Alliance (NWSA) announced today the official launch of two industry-wide certification programs: Telecommunications Tower Technician 1 (TTT-1) and Telecommunications Tower Technician 2 (TTT-2). These new certifications are designed to provide a standardized approach to training and assessment for individuals working on or around wireless communications towers, ensuring a skilled and safe workforce for the telecommunications industry.
NWSA Launches Additional Telecommunications Tower Foreman and Antenna & Line Specialty Certification Programs

New Nationwide and Portable Certification Programs Provide Career Progression Pathways for Industry Workers

(Fairfax, Virginia) - National Wireless Safety Alliance (NWSA) announced today the official launch of the Telecommunications Tower Foreman and Antenna & Line Specialty Certification Programs.

These programs were developed by the NWSA’s Foreman and Antenna & Line Specialty Task Force that is comprised of subject matter experts from all aspects of the communications industry - tower technicians, carriers, tower owners/vertical realtors, OEM’s contractors, trainers, manufacturers and suppliers - who together represent many thousands of hours of related telecommunications and tower experience.
INTRODUCTION

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Telecommunications Tower Technician II

Telecommunications Tower Technician I
A Specialty is a scope specific certification of knowledge in that particular area. More than a technician certification for general industry knowledge, it is specialized for a specific scope of work. Does not necessarily require managerial/supervisory skills to obtain a Specialty certification.
NWSA Certifications

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An Antenna & Line Specialty certification is for individuals who have met the fundamental knowledge and experience requirements for installation, repair, troubleshooting and maintenance of antennas, transmission lines and mounts on communication structures.
Antenna & Line Specialty

- Prerequisite: TTT-2
- Candidates must pass a Written Exam
  - No field Practical Exam is required
  - Computer-Based Testing (CBT)
    - Candidates apply online
    - Available nationwide at over 400 PSI testing facilities
    - Fee is $274
- 5-Year Expiration
Register at www.NWS-A.org
Candidate Handbook

Website: www.NWS-A.org
A&L Specialty CBT Test Outline

Written Exam Knowledge Domains

1. Appurtenances 28%
2. Antenna Systems 29%
3. Grounding 9%
4. Transmission Lines and Connectors 12%
5. Hazards 22%
CBT REFERENCE LIST: A&L Specialty

- **Antenna & Line Specialty**
  - OSHA 29CFR1910 and 1926
  - Commscope eBook - *Understanding the RF Path*
  - ANSI/ASSE A10.48-2016
  - FAA AC 70/7460-1L
  - FCC OET Bulletin 65
  - Commscope – Installation Bulletin 17800B-JC
NWSA Certifications

NWSA Hierarchy of Certifications

Foreman

Antenna & Line Specialty
Structural Modification Specialty (Future)
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Telecommunications Tower Technician II
Telecommunications Tower Technician I

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A Foreman is a supervisor of a crew performing construction, installation, demolition, and/or maintenance on communication sites in accordance with construction drawings and/or written scopes of work. It is the Foreman’s responsibility to ensure work is performed in compliance with applicable industry standards and best practices.
Foreman

- **Prerequisite:** TTT-2 and at least one Specialty Certification

- **Candidates** must pass a Written Exam.
  - **No** Practical Exam is required
  - **Computer-Based Testing (CBT)**
    - Candidates apply online
    - Available nationwide at over 400 PSI testing facilities
    - Fee is $274

- **5-Year Expiration**
Register at www.NWS-A.org
Foreman CBT Test Outline

Written Exam Knowledge Domains

1. Environmental Health and Safety 17%
2. Rigging 22%
3. Quality and Productivity 16%
4. Leadership 45%
CBT REFERENCE LIST: Foreman

- ANSI/ASSE A10.48-2016
- OSHA 29CFR 1904, 1910 and 1926
- NWSA Leadership Guide
- FCC OET Bulletin 65
- ANSI/ASME, B30.9 – Slings
CBT REFERENCE LIST: Foreman – cont’d

- Foreman – cont’d
  - Federal Motor Carrier Safety Administration (FMCSA), *Interstate Passenger Carrying Driver’s Guide to Hours of Service*
  - U.S. Fish & Wildlife Service (FWS), *Communications Towers*
  - USDOL Heat Index Guide for Employers
NWSA Leadership Guide

Website:
www.NWS-A.org
NWSA Leadership Guide

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Please direct inquiries to:

NWSA@nws-a.org
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