



TELECOMMUNICATIONS INDUSTRY
REGISTERED APPRENTICESHIP PROGRAM

TELECOMMUNICATIONS TOWER TECHNICIAN

Competency-Based Occupation

The Wireless Infrastructure Association (WIA) is the National Sponsor of the registered apprenticeship program known as TIRAP. Since 2017, WIA has administered National Standards of Apprenticeship along with the United States Department of Labor approved, apprentice-able occupations associated with the program. Graduates of the program receive a national, industry-recognized credential that certifies occupation proficiency and provides opportunities for career advancement.

TIRAP.ORG

OCCUPATION SUMMARY

The **Telecommunications Tower Technician (TTT)** is a member of a crew performing general construction activities with an emphasis on tower system installation and maintenance and inspection of existing support structures used in the provision of essential telecommunication systems, including personal wireless communications, public safety communications, utility networks, and broadcasting.

ON THE JOB LEARNING

Skills Development

- Jobsite Safety Analysis (JSA)
- Understanding of Scope of Work (SOW)
- Operate Hand and Power Tools (Drills/Saws)
- Material Handling
- Proper Utilization of Ropes & Knots
- Introduction to Various Types of Structures (Self-Support, Guyed, Monopole, Stealth Structure, Rooftop, Antennas)
- Operation of Trucks, Trailers, and Equipment
- Use & Inspection of Personal Protection Equipment
- Hazard Assessment and Communication
- RF Awareness and Exposure
- Introduction to Standards
- Exothermic Welding
- Line Support and Weather Proofing

CLASSROOM TRAINING (PARTIAL LIST)

- OSHA 10, First Aid/ CPR
- Hazard Assessment & Communication
- Basic Rigging
- Authorized and Competent Climber

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