Jonathan Adelstein
President & CEO

TELECOMMUNICATIONS EDUCATION CENTER

WIA Wireless Infrastructure Association
Industry Addressing the Skills Gap

• PCCA and WIA aligned in taking active steps to improve workforce
• Skills gap causing labor shortages, increases in labor costs, retention issues, and quality and safety challenges
• Insurance rates impacted
• PCCA and WIA are leading the industry to address this gap
• TEC and TIRAP
Solution: TEC and TIRAP

TEC and TIRAP are designed to:

• Offer coordination across the industry
• Meet industry demand for next-generation wireless deployment
• Provide industry-designed and industry-led employee development to work toward mitigating industry-wide skills gap
• Help employers prepare and keep up with rapidly changing demands of wireless infrastructure deployments
Developed by WIA with expertise from industry SMEs, members, and academia

A dynamic learning program includes online portal, classroom, workplace, and on-the-job field training

WIA partners with businesses to meet workforce development needs
TEC Courses

- FND 101: Wireless 101
- FND 201: Line Sweeping and PIM Testing
- FND 103: Wi-Fi Integration
- FND 105: Macro Site Fundamentals
- FND 104: 5G Outlook
- FND 204: 5G Technologies
- FND 102: DAS & Small Cell Basics
- DSC 101: In-building Wireless Ecosystem Overview
- DSC 102: In-building RF Sources and Distribution
- DSC 201: In-building Project Management
- DSC 202: Advanced DAS and Small Cell
- DSC 302: In Building RF Technical Concepts
- DSC 303: In Building RF DAS Components and Subsystems
- DSC 304: In-building Site Survey
- FND 106: Fundamentals of Wireless Site Safety
- SAF 101: OSHA 10 Construction
- SAF 102: OSHA 10 General Industry
- SAF 103: Standard First Aid & CPR
- SAF 201: Hazard Assessment for the Telecommunications Industry
- SAF 301: OSHA 30 Construction
- SAF 204: DOT Rodeo
TEC Online Learning Portal

A comprehensive, easy-to-use tool to monitor individual and company progress in skills development

- Track course completion and quiz scores
- Review industry-relevant resources
- View certifications earned and training hours completed
✓ Officially recognized by U.S. Department of Labor [2/3/14]
✓ WIA is the National Sponsor of TIRAP

**Mission:**

- Promote safety
- Enhance quality
- Enable education and advancement opportunities
TIRAP: Registered Apprenticeships for Telecommunications

**Employer-driven model that:**

- Combines on-the-job training with job-related instruction
- Progressively increases an apprentice’s skill level and wages
- Offers workers a path toward a career
- Meets an employer’s need for a highly skilled workforce
WIA Is the National Sponsor of TIRAP

- Industry-, management-led effort to establish apprenticeships in the wireless industry for the first time
- The wireless industry ideally suited for the apprenticeship model
- Perfect for recruitment, retention, and workforce development
PCCA and WIA Collaboration

- PCCA developing cutting edge technical college programs:
  - TIRAP can help broaden to include apprenticeship tracks
  - TEC can help expand wireless content and focus
- Through TEC and TIRAP, WIA experience in developing relevant wireless training and curricula can support PCCA in its program development
- Pursue joint grant opportunities, joint advocacy before Congress and government agencies
Thank You

Questions/Comments?

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