Telecommunications Industry Association
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TIA Engineering Committee TR-14 for Structural Standards for Communication and Small Wind Turbine Support Structures

The TIA Engineering Committee TR-14 is responsible for the ANSI/TIA-222 Standard, "Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures", the ANSI/TIA-322 Standard, "Loading, Analysis and Design Criteria Related to the Installation, Alteration and Maintenance of Communication Structures", and the TIA-5053 Standard "Mounting System Classification". Work is continuously underway to define changes for the next revisions of ANSI/TIA-222, ANSI/TIA-322, and TIA-5053. These improvements align the Standards with the latest industry knowledge from applicable reference documents, standards, and codes.

The committee is an all-volunteer group and is comprised of a wide variety of professionals and experts from the communication structures industry. Members include consultants, engineers, fabricators, constructors, inspectors, carriers and tower owners. The members contribute their valuable time to support and continuously improve the industry in which they work.

Leadership Transition

TR-14 leadership elections were conducted via ballot at the end of March 2026 with the following leaders confirmed:

- Bryan Lanier: re-elected as chair
- Aaron Poot new vice chair
- Scott Stekr new secretary

Aaron has taken ownership of all the active ad hoc groups and will be immediately responsible for the completion of Addendum 1 of ANSI/TIA-222-I.

Ad Hoc Group Progress

A number of ad hoc groups have remained active since our last meeting in Orlando. Their work will positively impact the release of Addendum 1. Below is specific progress of each.

Appurtenance Mounting Systems

This ad hoc group has remained very active since Orlando, meeting virtually approximately bi-monthly. Work for Section 16 includes updates to clarify units, new illustrations to clarify variables, clearer language around amplification factors, u-bolts, updated methodology on appurtenance to structure connections, maintenance load application, and details on when analysis of an appurtenance mounting system is needed.

Baseplates
The group is currently aligning finite element analysis (FEA) results among the primary contributors to ensure consistency in findings. This effort will help establish a common basis for evaluating outcomes and determining the most appropriate next steps.

Rooftops
The rooftops group has completed a preliminary draft of a new section within ANSI/TIA-222-I, that would specifically address multiple aspects of rooftop installations. This includes design limits for sliding and overturning, application of live and snow loads, assessment of the building / supporting structure and maintenance / condition assessment and modification recommendations.

Concealed Structures
The concealed structures ad hoc group has completed their initial draft specifically aimed at an Annex for a future edition of ANSI/TIA-222. Specifically, it provides guidance and considerations for concealed appurtenance design, fabrication, installation, maintenance / inspection and appurtenance performance.

Foundations
This ad hoc group has recently restarted, looking at a number of topics related to foundation design, specifically aligning with the latest release of ACI318. In parallel, potential geotechnical-related topics have been identified, with a focus group targeted for formation in August.

A&E
The A&E group has continued their work presented in Orlando, laying out their vision for what is needed to support this aspect of our industry. This conversation will be furthered over the coming months and continue in October.

Fall Full Committee Meeting
Our next full committee meeting will be in Savannah, GA on October 6 and 7th. The agenda for the meeting has been posted to TIA Connect.

All information regarding upcoming TR-14 events can be found on TIA's website at: https://tiaonline.org/events/. For more information regarding TR-14, please contact Cheryl Thibideau at cthibideau@tiaonline.org.