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Approved by General Counsel

TR-14.7 (Revised) Meeting Report

Date: 03/29/11

Location: San Antonio, TX

Approved: 01/17/12



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COMMITTEE CORRESPONDENCE

TELECOMMUNICATIONS INDUSTRIES ASSOCIATION (TIA)
Standards and Technology Department
Meeting Report
Subcommittee TR-14.7 - Steel Antenna Towers and Antenna Supporting Structures
March 29th, 2011

Embassy Suites San Antonio, Texas NW I-10
7750 Briaridge Drive
San Antonio, TX 78230

(83) Total Present

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Rohn Products International
Sabre Towers and Poles
Shively Labs
Sioux Falls Tower
Stainless LLC
TIA
* TIA
* TIA
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Global Tower Partners
Tower Technology, Inc.
Turriss Corp.
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Others Present:

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MUTI Technical Services Division
Structure & Tower Designers, Inc.
AnemErgonics
American Tower Corporation
American Tower Corporation
American Tower Corporation
American Tower Corporation
GPD Group
GPD Group
Semaan Engineering Solutions, Inc.
Vertical Structures
Vertical Solutions
B & T Engineering, Inc.
Tower Engineering Professionals, Inc.
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Valmont Structures
Valmont Structures
* ERI, Inc.
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* GPS Group
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RTKL Associates
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WesTower Communications
Davidson Engineering, LLC
Valmont Structures
C. Faulkner Engineering
Stealth Network Technologies
FDH
FDH
Ehresmann Engineering
Tower Consultants, Inc.
Tower Consultants, Inc.
Walker Engineering
Bechtel Communications, Inc.
Broadcast Tower Technologies
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Members Absent:

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** Attendees designated with asterisk attended via web meeting*

TR-14.7 Subcommittee Meeting: Tuesday, March 29th, 2011

- 8:00 am Chairman Brian Reese – Opening of Meeting
- 8:05 am Brian Reese – Subcommittee Overview & Meeting Agenda Review and Approval
- Notice of participation
 - IPR rights (early disclosure policy) – Chair called for notification of IP if known
 - Subcommittee membership requirements & voting
 - **Quorum was achieved based on member attendance**

The chair noted the Meeting agenda had been distributed by TIA. The chair asked if anyone had any revisions or changes to make to the agenda. There were none. Meeting Agenda has been approved unanimously.

Intellectual Property Rights (Early Disclosure Policy): TIA's patent policy can be found in the TIA Engineering Manual (5th edition). Participants in the work of the TIA Formulating Group are urged to review this policy. Participants are encouraged to notify TIA of any patents of which they are aware that are related to the practice of a TIA publication early on in the development of the TIA document to reduce the possibility for delays in the development process and increase the likelihood that the draft TIA publication will be approved for publication. Patent searches are not required to comply with the TIA IPR policy. Moreover, the Engineering Manual describes the need for members' disclosure of patents that are essential to practice TIA publications and for members to provide an indication of their willingness to license any known patents.

Brian Reese – Old Business

- 222-G.2 Addendum #2 released in December 2009 since last meeting
- No other old business

Subcommittee Attendee Introductions

Stephanie Montgomery, TIA, TIA Intro & Overview

- TIA Introduction
- 2011 Playbook
- Meeting registration on-line
- New TIA engineering subcommittees in other industries – TR-50 & TR-51
- New TIA Now web TV portal designed to inform & educate ICT decision makers

Brian Reese on behalf of Tom Hoenninger, TR-14.7/ICC Liaison – ICC/IBC Update

- Two change proposals that relate to towers were submitted and approved. ADM39-09/10 was submitted by Tom Hoenninger representing TR-14.7. This change proposal updated the TIA reference standard to include Addendum 2. All changes to reference standards are grouped into one change proposal. The change proposal was approved as modified. The modification was to other reference standards and not the TIA reference standard. The change proposal will be included in 2012 IBC. In addition, S85-09/10 was submitted by Scott Beard, PE, SE representing the Structural Engineers Association of Washington. The change proposal was to correct an error with Topographic Category 2. TR14.7 (Brian Reese, John Erichsen, Dave Brinker, Tom Hoenninger) previously reviewed the change proposal and determined it was persuasive and decided not to challenge it by submitting a public comment. The change proposal was approved as submitted. The change proposal affects sections 1609.1.1 and 3108.1

- 2015 IBC - 2012/2013 ICC Code Development Schedule; the result will be the 2015 I-codes including 2015 IBC. Change proposals to reference standards will be processed thru "Admin" which is included in Group B. So "Admin" change proposals are due by 1/3/2013.
- 2012 I-codes including 2012 IBC should be available April 30, 2011.

TIA-1019 – Ernie Jones & Gordon Lyman

- TIA-1019 revision overview
- Comment review & questions

Motion to approve TIA-1019 as presented for public ballot and assuming no technical changes as a result of the comments to proceed with publication. Motion by Doug Pineo & seconded by Mark Malouf; 100% unanimous.

Dave Brinker – Monopole Flange Design Addendum

Monopole Flange Design Addendum approved to go to public ballot; motion by Jim Walker & seconded by John Wahba; 100% unanimous

Dave Brinker – Small Wind Turbine (SWT) Design Addendum

- Small wind structure – demand in our industry with tower manufacturers
- SWT is defined as wind swept area less than 2,200 sq. ft (220 sq. m)
- Have until June 2011 for recognition in 2015 IBC
- Committee questions & discussion

SWT Design Addendum approved to go to public ballot; motion by Simon Weisman and seconded by Kevin Bauman; 100% unanimous

Housekeeping – Approval of TR-14.7 2008 Pittsburgh meeting minutes; motion by Jim Kyriacopoulos and seconded by Kevin Bauman; 100% unanimous

John Erichsen, Vice-Chairman & Secretary - addendum 3 potential topics

- Broadcast antenna degradation issues – submitted by Ernie Jones and John Robinson; all info submitted
- Schifflerized angles – Submitted by John Robinson ; all info submitted
- Section 2.6.6.2 – Submitted by Scott Beard; effective area behind escarpment - 8x to 16x change
- Additional safety anchorages for pole climbing - Submit by Bicknese
- Ratings for antenna mounts (T-booms) – Submitted by Snyder ; Lead Craig Snyder, Gordon Lyman, Dave Choquette, Scott Kisting, Adam Jones, James Ruedlinger to follow-up and address
- ASCE – wind/ice/seismic changes – Submitted by Dave Brinker – limit states map; 50 year & importance factors; editorial committee
- AISC 13th Edition (Black Book) integration into 222-G – Submitted by Brinker; lead John Wahba, Ta-Wan Lee
- Geometric method for determining guy tension – pending inclusion
- Anchor bolt corrosion – Submitted by John Erichsen
- Gust response factor of structure vs. structure stiffness - Mark Malouf & John Wahba
- Manufacturer qualifications – Submitted by Peter Moskal; Bechtel & Crown to discuss

Request for Comment (RFC) issues pending review by Editorial Committee

New issues:

- Microwave mount stiff arm load transfer to structure – Scott Kisting
- 105 mph wind speed for Hawaii – should consider modifying – Madison Batt; handle with wind maps
- +/- 20/0 tolerance on slip joints – Simon Leland; no action at this point
- Inspection requirements for monopole and self-support structures plumbness issues - Jaime Reyes
- Topographic cases clarifications – Simon Leland; expand definitions; clarifications

John Erichsen – 222-G FAQ Website

- Introduce TIA-222-G FAQ for frequently asked questions
- Separated by Sections
- Input question; automatically routed to Editorial Committee
- Designed for all to see posted answers
- Required assistance for 'add a FAQ'; submit and they will be uploaded

New Business

TIA-222 Trivia

If you would like a CEU certificate, please email Brian Reese or John Erichsen

Motion to adjourn – Gordon Lyman, 2nd by Simon Weisman - 100% approved


Adjournment

The meeting was conducted in accordance with the TIA Legal Guides and the Engineering Manual.

End of Report

By: John R. Erichsen, P.E., S.E. – TR-14.7 Vice Chairman & Secretary

(This correspondence represents “working papers.” Therefore, contents cannot be viewed as reflecting the corporate policies or the views of the Telecommunications Industry Association or of any company. The Association, the companies and individuals involved, take no responsibility in the applications of this document.)



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