

Approved by General Counsel

TR-14 Meeting Report

Date(s): 05/06/2014 - 05/06/2014

Location: Virtual (conference call, web conference, etc.)

Approved: 06/16/2014

Meeting Report

TR-14

Structural Standards for Communication and Small Wind Turbine Support Structures Engineering Committee

**Tuesday, May 6, 2014
11:30AM-12:40PM EST
Webconference**

Presiding:

**John Erichsen - EET-LLC, Chair
Mark Malouf – Malouf Engineering International, Vice Chair
Bryan Lanier – American Tower Corporation, Secretary**

Contributions posted at: http://ftp.tiaonline.org/TR-14/TR-14_MAIN/WORKING/2014May6Virtual/

1. Administrative

1.1 Call to order

Due to technical difficulties with GoToMeeting Webinar, the meeting was called to order at 11:30AM. Chairman welcomed participants and announced the sign in code “7102”. He walked participants through the sign in process and encouraged individuals to sign in to TIA’s roster.

1.2 Attendance

Attendance was taken electronically. A list of attendees is attached. As a result of a roll call, a quorum was determined to be present.

1.3 Meeting Agenda Review and Approval

Motion was made to approve the Agenda for May 6, 2014 webconference. It was seconded and approved unanimously.

1.4 Intellectual property rights

The chairman read the TIA IPR statement, as found in the TIA Standards Development Procedures. Participants in the work of the TR-14 are urged to review this policy. Participants were encouraged to notify TIA of any patents of which they are aware that are related to the practice of TIA publication early 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. The chair asked if there was knowledge of patents, the use of which might be essential to any documents being considered by TR-14. None were identified.

1.5 Distribution and Numbering of Documents

1.5.1 TR-14 email reflector address: tr14@tiacomm.org

1.5.2 Please note that the login credentials for the [TIA TR-14 FTP server](#) are on the [TIA Committee Member Tools](#) Dashboard at > standards > committees > committee members tools login > your committee member tools dashboard.

Marianna Kramarikova trained participants on recent process for TR-14 liris list credentials and access to the FTP server.

Meeting Report

TR-14

Structural Standards for Communication and Small Wind Turbine Support Structures Engineering Committee

1.5.3 Submit a [question on TIA-222 to the Committee](#)

1.5.4 [TIA-222 FAQ](#)

John Erichsen provided an update on submitting a question on the TIA-222 standard to the committee participants. TIA-222FAQ page was reviewed.

1.6 Meeting Report Review and Approval

1.6.1 [Meeting Report October 23, 2012](#)

The meeting report from October 23, 2012 Miami, FL was distributed. A motion to approve meeting report was seconded and approved unanimously.

1.7 Chair's Report and General Items

John Erichsen reported on TIA-222-G to TIA-222-H; TIA-1019 work and ongoing OSHA relationship. Mr. Erichsen thanked Dave Brinker for working hard on the completion of drafts of TIA-222-G-3 and TIA-222-G-4. With committee approval, TIA will initiate industry ballots for both addendums during this webconference.

1.8 TIA Report and General Items

Marianna Kramarikova brought to the attention of TR-14 participants that TIA Standards and Technology department is no longer operating under the TIA engineering manual. Updated TIA Standards development procedures are posted on the [Engineering Committee Procedures](#) page. TIA is encouraging all participants to review and follow new procedures.

TIA encourages participants to review following sites:

[TIA Digital Training Library](#)

[TIA FAQ](#)

[TIA Project Initiations](#)

[TIA Standards Press Releases](#)

1.9 Committee Organizational Changes and Addition of Non-formulating Groups

1.9.1 Steering Committee (leadership) – [Archived Reports](#)

John Erichsen raised the need to officially create a Steering committee as a task group of TR-14 formulating engineering committee. The Scope of the Steering committee is to review technical questions generated from general public related to TR-14 published standards. Steering committee maintains legacy information and records, such as these meeting minutes. Steering committee does not have a veto. Intent of the Steering Committee is to make the process transparent to our participants prior to the quorum committee meeting. John Erichsen is the chair of the Steering committee. There were neither questions nor objections noted to the creation of the Steering Committee and electing John Erichsen as a chair of the task group.

1.9.2 ANSI/TIA-222-H Task Groups (leadership acknowledgement)

Mark Malouf, the chairman of the ANSI/TIA-222-H task group thanked leadership and those who actively participate in the sub-task groups for all their work and time they committed to date to develop revision H. Mr. Malouf then introduced work on eleven sub-task groups and their leadership.

Meeting Report

TR-14

Structural Standards for Communication and Small Wind Turbine Support Structures Engineering Committee

1.9.3 Harmonization of TIA-1019-A and ANSI/ASSE A10.48

John Erichsen informed committee of the closed editorial meeting which will take place at the end of the month in St. Louis, Missouri. Task group will draft goals and scope for each standard and inform TR-14 formulating group on progress.

2 New Business

2.1 Disposition of Design Supplement ANSI/TIA-222-G-3 (ANSI/TIA-222-DS2-2011) Pole Base Plates (ballot)

The chair provided an update on ANSI/TIA-222-G-3 project. He proposed a motion to approve this document for an industry ballot. Motion to approve ANSI/TIA-222-G-3 for an ANSI ballot was made by Bryan Lanier. Craig Snyder seconded the motion. There were no comments or objections to this motion. Motion passed unanimously.

2.2 Disposition of Design Supplement ANSI/TIA-222-G-4 (ANSI/TIA-222-DS1-2011) Small Wind Turbine Support Structures (ballot)

The chair provided an update on ANSI/TIA-222-G-4 project. He proposed a motion to approve this document for an industry ballot. Motion to approve ANSI/TIA-222-G-4 for an ANSI ballot was made by Mark Malouf. Timothy Drumm seconded the motion. There were no comments or objections to this motion. Motion passed unanimously.

Chairman informed the participants that both addendums will be incorporated into ANSI/TIA-222-H publication.

2.3 TIA-222-H Update (call for interest to participate in 11 sub-task groups)

The chair of TIA-222-H task group Mark Malouf presented update on ANSI/TIA-222-H project. Bulk of the proposals was reviewed in 2013. Task group is working on its first draft and should have final draft ready by the end of the year. Publication date should be first quarter of 2016. Mr. Malouf called for volunteers to assist active sub-task groups within TIA-222-H task group to participate. If interested, please contact Mark Malouf directly and he will make introduction to the appropriate chair the appropriate sub-task group.

2.4 Disposition of ANSI/TIA-222-G-2 (reaffirmation ballot and publication)

The chair provided an update on ANSI/TIA-222-G-2 published 12/2009. Per TIA and ANSI guidelines, it is up for reaffirmation. There were no comments or objections from voting members against reaffirming the ANSI/TIA-222-G-2.

Chairman proposed a motion to initiate an industry reaffirmation ballot. Motion to approve ANSI/TIA-222-G-2 for an ANSI ballot was made by Mark Malouf. Peter Chojnacki seconded the motion. There were no comments or objections to this motion. Motion passed unanimously. Chairman proposed a motion to reaffirm (publish) ANSI/TIA-222-G-2 upon completion of ANSI ballot without technical objections. Motion to approve publication of ANSI/TIA-222-G-2 to reaffirm was made by Mark Malouf. Bryan Lanier seconded the motion. There were no comments or objections to this motion. Motion passed unanimously.

2.5 Disposition of ANSI/TIA-1019-A-1 (Task group creation, leadership, new project)

Chairman proposed to create task group to work on new project for ANSI/TIA-1019-A-1. Motion was made by Mark Malouf, seconded by Ernie Jones.

Meeting Report

TR-14

Structural Standards for Communication and Small Wind Turbine Support Structures Engineering Committee

John Erichsen places himself for nominations as an interim chair of this task group. Bryan Lanier made the motion for John Erichsen to become chair of the ANSI/TIA-1019-A-1 task group. Mark Malouf seconded the motion.

John Erichsen then proposed a motion to open a new project for ANSI/TIA-1019-A-1. Motion was made by Ernie Jones and seconded by Mark Malouf.

There were no comments or objections to motion to establish a task group, to elect John Erichsen as an interim chair and to open a new project for ANSI/TIA-1019-A-1. All three motions passed unanimously.

2.6 Disposition of ANSI/TIA-1019-B (Task group creation, leadership, new project)

Chairman proposed to create task group to work on new project for ANSI/TIA-1019-B. Motion was made by Ernie Jones, seconded by Bryan Lanier.

John Erichsen places himself for nominations as an interim chair of this task group. Mark Malouf made the motion for John Erichsen to become chair of the ANSI/TIA-1019-B task group. Mike Morel seconded the motion.

John Erichsen then proposed a motion to open a new project for ANSI/TIA-1019-B. Motion was made by Mark Malouf and seconded by Mike Morel.

There were no comments or objections to motion to establish a task group, to elect John Erichsen as an interim chair and to open a new project for ANSI/TIA-1019-B. All three motions passed unanimously.

2.7 Spanish Update

Bryan Lanier provided an update on the Spanish translation of ANSI/TIA-222 documents. The expected completion of the review should be at the end of the summer 2014. Upon completion, TIA will receive a final copy which will be published and distributed via IHS.

3 Next Meeting and Schedule

It was decided that with the current work load and the success of telephonic meeting, there would be a face-to-face quorum meeting at the end of 3Q/beginning of the 4Q 2014. Proposed locations are Raleigh, North Carolina; Dallas, Texas and St. Louis, Missouri. TR-14 Steering Committee and TIA will work to set specific dates and locations, which will be announced to the TR-14 participants.

4 Adjournment

Bryan Lanier made a motion to adjourn. Michael Morel seconded the motion. The motion passed. The meeting was adjourned at 12:39PM EST.

This meeting was conducted in accordance with the TIA Standards Development Procedures. The electronic attendance roster is recorded in the TIA database.

Meeting Report

TR-14

Structural Standards for Communication and Small Wind Turbine Support Structures Engineering Committee

List of Attendees of the TR-14 quorum webconference:

Attendee	Company
Burbage , Greg ^(v)	4SE, Inc.
* Abel , Dennis ^(v)	Aero Solutions, LLC
* Ude , Benjamin ^(v)	Aero Solutions, LLC
Lanier , Bryan ^(v)	American Tower Corp
Garrett , William ^(v)	American Tower Corporation
Vance , Scott ^(v)	B&T Engineering, Inc.
* Taneja , Pankaj ^(v)	Bentley Systems
* Huwel , Jamal ^(v)	Crown Castle
* Kim , Joseph ^(v)	Crown Castle
* Poot , Aaron ^(v)	Crown Castle
Pineo , Doug ^(v)	Crown Castle International Corp.
Erichsen , John ^(v)	EET, L.L.C
* Jones , Ernie ^(v)	Electronics Research Inc.
Robinson , John ^(v)	Electronics Research, Inc.
Morel , Michael ^(v)	Engineered Endeavors
Lee , Ta-Wen ^(v)	FWT, LLC
* Cheronis , Jason ^(v)	GPD Group
* Clements , Kevin ^(v)	GPD Group
* Shehu , Jibril ^(v)	GPD Group
Malouf , Mark ^(v)	Malouf Engineering Internat'l
* Maxson , Jordan ^(v)	Nello Corporation
* Piercey , Martin ^(v)	PIER STRUCTURAL ENGINEERING CORP.
Yeo , Stephen ^(v)	Rohn Products International Arabia
Tindall , Keith ^(v)	Sabre Towers & Poles
Jones , Adam ^(v)	Shively Labs
* McCauley , Ryan ^(v)	Shively Labs
Snyder , Craig ^(v)	Sioux Falls Tower Specialists
* Cullinan , Chris ^(v)	SMBH, Inc.
* Schmidt , Albert ^(v)	SSC
* Miller , Michell ^(v)	SSOE Group
Fehrman , Gregg ^(v)	Stainless LLC
* Gualtieri , Antonio ^(v)	TECTONIC ENGINEERING



Meeting Report

TR-14

Structural Standards for Communication and Small Wind Turbine Support Structures Engineering Committee

* Zawar , Kavish ^(v)	TECTONIC ENGINEERING
Kramarikova , Marianna ^(v)	TIA
* Glover , Ronnie	Tower Engineering Professionals
* Higgins , Paul ^(v)	Tower Engineering Professionals
Chojnacki , Peter ^(v)	Tower Numerics Inc.
Kouba , George ^(v)	Tower Technology
* Haines , Scott ^(v)	Union Pacific Railroad
Grassman , Jeff ^(v)	Valmont Communications
* Heiden , William ^(v)	Valmont Industries
* Blaumer , Christopher ^(v)	Valmont Microflect
* Gibbons , Michael ^(v)	Vector Structural Engineers
* Proctor , Jacob ^(v)	Vector Structural Engineers
* Fann , Avery ^(v)	Vertical Solutions, Inc.
* Drumm , Timothy ^(v)	W-T Communication Design Group, LLC

Additional attendee:

Jim Walker – Walker Engineering