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TIA Announces Publication of TIA-222-H Standard for Antennas and the Supporting Structures for Antennas and Small Wind Turbines

Arlington, Va. (October 26, 2017) – The Telecommunications Industry Association (TIA) TR-14 Communication and Small Wind Turbine Support Structures Committee today published Revision H of the ANSI/TIA-222 Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures. TIA represents the companies that supply high-tech communications networks and is a global leader in developing industry standards across a range of ICT segments.

The TIA-222-H standard is available from the TIA Standards Store via IHS.

Revision H represents a significant update to this important standard, which provides the industry with critical guidance regarding minimum load requirements and design criteria. More specifically, TIA-222-H addresses the requirements for the structural design and fabrication of new, and the modification of existing antenna supporting structures, antennas, small wind turbine supporting structures, appurtenance mounting systems, structural components, guy assemblies, insulators and foundations. The last update of TIA-222 (Revision G), which represented the most sweeping update to the standard, was published in 2006.

Changes included in the newly published TIA-222-H standard include bringing it into alignment with the latest version of ASCE-7, use of ultimate gust wind speeds, updates to seismic loading considerations, to the design provisions in line with the latest AISC 360 steel design, climbing facilities, foundations, and analysis of existing structures. New annexes have been added including inspection of new construction or modification of existing structures and other informative annexes.

“This is an important update to a standard that has become increasingly essential in our ever more connected world,” said Stephanie Montgomery, TIA’s Vice President of Technology and Standards. “Revision H includes items that no related standard has previously addressed, making it a unique and vital resource. And because TIA-222 is supported by so many incredible companies and individuals, it represents a truly World Class standard.”

“The new Revision H builds on the previous Revision G and enhances the provisions and keeps the Standard up-to-date and moving forward in addressing the industry needs” said Mark Malouf, the Task Group Chair who headed the revision effort.

TIA’s TR-14 committee, which includes representatives from over 100 companies, voted to approve and publish the revised standard during its meeting in New Orleans in August 2017. TIA submitted it to ICC for their review and inclusion into IBC 2018.

TIA thanks all members of the TIA-14 committee for their dedicated volunteer work that led to the publication of this essential standard. We especially thank the Task Group Chair and TR-14 Vice Chair, E. Mark Malouf, PE, SECB, IPF with Malouf Engineering Intl, and TR-14 Chair John Erichsen, PE, SE with EET.

For more information about TR-14 and how to participate in standards development with TIA, contact Marianna Kramarikova at standards@tiaonline.org.

About TIA

The Telecommunications Industry Association (TIA) represents manufacturers and suppliers of global communications networks through standards development, policy and advocacy, business opportunities, market intelligence, and events and networking. TIA enhances the business environment for broadband, mobile wireless, information technology, networks, cable, satellite and unified communications. Members' products and services empower communications in every industry and market, including healthcare, education, security, public safety, transportation, government, the military, the environment, and entertainment. Visit tiaonline.org for more details.

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