**Workshop Platform Transition & Website Down from March 26-27, 2:00 PM, Eastern**

In 2017 Kavi Workspace was purchased by Higher Logic. Higher Logic has been supporting the current Workspace platform. AWEA was informed on February 15 that all clients are being transitioned to the new platform this month. The current AWEA Workspace website is moving to the new platform on Tuesday, March 26 – March 27, 2:00 PM, Eastern. Please note that during this time Workspace will not be available.

Online training will be held on **March 27, 1:00 PM – 2:00 PM, Eastern**. The training will be recorded, but we strongly encourage you to join the call. Here is the info:

Join Zoom Meeting: [https://higherlogic.zoom.us/j/874905356](https://higherlogic.zoom.us/j/874905356)

Dial by your location
- +1 669 900 6833 US (San Jose)
- +1 929 205 6099 US (New York)

Meeting ID: 874 905 356

Find your local number: [https://zoom.us/u/abHBhxqDPe](https://zoom.us/u/abHBhxqDPe)

**IMPORTANT:** You must not use Workspace until you have attended the webinar.

**Call for Nominations**

Ron Grife, Leeward Renewable Energy, is stepping down as chairperson of the Wind Technical Standards Committee. Dayton Griffin, DNV GL, with continue to serve as vice-chair. Please email your nomination for chair to standards@awea.org. The new chair will start this position at WINDPOWER in May.

**Call for Participation**

Several new groups were approved at the February Standards Committee meetings. We are looking for participation in the WTSC Electrical Task Force, WEHSSC Offshore Safety Subcommittee, and WEHSSC Offshore Safety Training Subcommittee. In addition, The WEHSSC Service Lift Task Force has a new chair and we are looking for participation in this task force as well.

Participation in subcommittees and task forces is open to all interested parties. Please email standards@awea.org if you would like to participate. [Click here](#) to view the full list of subcommittees and working groups.
Action

WTSC Ballots
NOTE: The following ballots were approved during the February WTSC Meeting. Ballots will be sent as follow-up ballots for those you were not able to attend the February meeting or those that wish to change their vote. These ballots will have a two-week approval time. The ballots will be open April 1 – April 14.

- Approval of WTSC Electrical Task Force with Chris Petrola, Acciona Energy, as Chair
- Approval of WTSC Draft November 2018 Meeting Minutes
- Approval of Mike Optis as the Co-Chair of the TR-1 Subcommittee
- Approval of 61400-24 Scope
- Approval of intent to adopt IEC 61400-26-1: Time-Based Availability for Wind Turbine Generating Systems (Identical Adoption)
- Approval of Update to TR-1 Scope

WWSC Ballots
- Approval of WWSC Draft November 2018 Meeting Minutes. Please note the ballot will go live April 1. This will be a 30-day ballot.

WEHSSC Ballots
NOTE: The following ballots were approved during the February WEHSSC Meeting. These are follow-up ballots for those you were not able to attend the February meeting. These ballots will have a two-week approval time. The ballots will be open April 1 – April 14.

- Approval of WEHSSC Draft November 2018 Meeting Minutes
- Approval of WEHSSC membership application for Tech Safety Lines
- Approval of WEHSSC membership application for Deutsche Windtechnik
- Approval of WEHSSC membership application for Hartford Steam Boiler Inspection and Insurance Co
- Approval of WEHSSC Offshore Safety Training Subcommittee
- Approval of WEHSSC Offshore Safety Subcommittee
- Approval of Barry Morris as Chair of the Service Lift Task Force

Wind Technical Standards Committee (WTSC)
(Current membership = 36 voting members; majority votes = 50%+1; approval = 2/3 of those voting, excluding abstentions and unreturned ballots; quorum=51% voting members)

Ballots Opening April 1:
- Approval of WTSC Electrical Task Force with Chris Petrola, Acciona Energy, as Chair
- Approval of WTSC Draft November 2018 Meeting Minutes
- Approval of Mike Optis as the Co-Chair of the TR-1 Subcommittee
- Approval of 61400-24 Scope
- Approval of 61400-26-1 Time-Based Availability for Wind Turbine Generating Systems Identical Adoption
- Approval of Update to TR-1 Scope

Approved Ballots
- Approval of Proposed WTSC 2019 Meeting Schedule. 28 of 37 eligible companies cast their vote before the deadline. Yes received 27 Votes. No received 0 Votes. Abstain received 1 Vote. The ballot received 0 comments. Closed February 27.

February Meeting Highlights:

All Wind Standards Committee (WSC) work is online at workspace.awea.org until March 26th. Additional information on the new Workspace platform will be sent after the migration. Contact standards@awea.org if you have questions about accessing this site.
Draft minutes will be posted to Workspace.

- The meeting met quorum: 27 out of 37 (72%) voting companies attended, and this group requires 51%.
- ANSI Audit update was given by AWEA staff.
  - AWEA provided a response to ANSI and submitted the updated revised AWEA Standards Development Procedures to ANSI.
  - ANSI Executive Committee to meet and review the Audit and AWEA’s response. AWEA hopes to hear back soon.
- The following actions were approved during the meeting. Please note that two-week ballots for each will post April 1, this is for those members who were not able to attend the meeting:
  - Approval of WTSC Electrical Task Force with Chris Petrola, Acciona Energy, as Chair
  - Approval of WTSC Draft November 2018 Meeting Minutes
  - Approval of Update to TR-1 Scope
  - Approval of Mike Optis as the Co-Chair of the TR-1 Subcommittee
  - Approval of 61400-24 Scope
  - Approval of intent to adopt IEC 61400-26-1: Time-Based Availability for Wind Turbine Generating Systems (Identical Adoption)
  - Approval of Barry Morris as Chair of the Service Lift Task Force
- The scope for the Structures Subcommittee was discussed and edits suggested. Kirk Morgan and Jomaa Ben Hassine, Co-Chairs, will update the scope.
- The group discussed the ASME drone inspection standard. ASME is looking for participation from the wind energy industry. AWEA Staff will set up a call with ASME and people interested in participating on this standard. Contact standards@awea.org if you are interested in participating.

WTSC Subcommittees:
Contact standards@awea.org if you would like to participate in any of the below groups.

- **Offshore Wind Subcommittee:** The Offshore Wind Subcommittee is working on five recommended practices on floating, geotech and geophysical, metocean, submarine cables, and updating OCRP 2012. Chair: Walt Musial, NREL
  - Floating Offshore Working Group – Chairs: Lars Samuelsson and Leif Delp
  - Geotech and Geophysical Offshore Working Group – Chairs: Matt Palmer and Mathieu Guinard
  - Metocean Offshore Working Group: Lorry Wagner and Michael Drunsic
  - Submarine Cables Offshore Working Group: Bob Hobson and Georg Engelmann
  - OCRP 2012 Maintenance Offshore Working Group: Rain Byars and Graham Cranston

- **TR-1 Subcommittee:** Work on the draft continues with a final draft expected to be ready by late 2019. The draft will include a less non-prescriptive approach except for the determination of uncertainty. Chair: Brian Kramak, AWS Truepower. Co-Chair: Mike Optis, NREL

- **Structures Subcommittee:** The Structures Subcommittee has been approved. This subcommittee will develop structures-related design standards, recommended practices, and technical reports as needed for the wind energy industry. Incorporate national and international consensus standards, as needed. Chairs: Kirk Morgan, Barr Engineering Company and Jomaa Ben Hassine, Dyrasat Consulting LLC

- **AWEA-1 Subcommittee:** The AWEA-1 Subcommittee has been approved. This subcommittee will review IEC 61400-1 and adopt as an AWEA US national standard, with a US-specific Annex if needed. Chair: Dan Brake, NextEra Energy

- **AWEA-24 Subcommittee:** This subcommittee will review IEC 61400-24 and adopt as an AWEA US national standard, with a US specific Annex if needed. Chair: Tom Bendlak, Pentair

- **Electrical Task Force:** The task force will evaluate potential paths forward for electrical standards in the US given the known conflicts between various domestic and international standards. Chair: Chris Petrola, Acciona Energy

**Next Meeting**

- In person Meeting: WINDPOWER 2019, Houston, TX, Monday, May 20, 2019
2019 Meeting Schedule
- In person Meeting: WINDPOWER 2019, Houston, TX, Monday, May 20, 2019
- Teleconference: Tuesday, August 20, 2019, 11:00 AM – 12:30 PM, Eastern
- Teleconference: Wednesday, November 13, 2019, 2:00 PM – 3:30 PM, Eastern

Wind Workforce Standards Committee (WWSC)
(Current membership = 31 voting members; majority votes = 50%+1; approval = 2/3 of those voting, excluding abstentions and unreturned ballots; quorum=51% voting members)

Ballots Opening April 1
- Approval of WWSC Draft November 2018 Meeting Minutes.

Approved Ballots
- Approval of WWSC Draft September 2018 Meeting Minutes: 21 of 34 eligible companies cast their vote before the deadline. - Affirmative received 21 Votes - Negative received 0 Votes - Abstain received 0 Votes The ballot received 0 comments from eligible voters. The ballot received 0 comments from non-voters. Closed February 27.

- Approval of Proposed WWSC 2019 Meeting Schedule: 20 of 34 eligible companies cast their vote before the deadline. - Yes received 19 Votes - No received 0 Votes - Abstain received 1 Vote The ballot received 0 comments. Closed February 27.

- Approval of WWSC New Membership Category Breakdown: 21 of 31 eligible companies cast their vote before the deadline. - Affirmative received 21 Votes - Negative received 0 Votes - Abstain received 0 Votes The ballot received 0 comments from eligible voters. The ballot received 0 comments from non-voters. Closed March 9.

- Approval of WWSC membership application for Lincoln Clean Energy: 22 of 31 eligible companies cast their vote before the deadline. - Affirmative received 22 Votes - Negative received 0 Votes - Abstain received 0 Votes The ballot received 0 comments from eligible voters. The ballot received 0 comments from non-voters. Closed March 21.

February Meeting Highlights:
Draft minutes will be posted to Workspace.
- This meeting did not meet quorum. 16 out of 32 (50%) voting companies attended, and this group requires 51%.
- ANSI Audit update was given by AWEA staff.
  - AWEA provided a response to ANSI and submitted the updated revised AWEA Standards Development Procedures to ANSI.
  - ANSI Executive Committee to meet and review the Audit and AWEA’s response. AWEA hopes to hear back soon.
- Discussion and update on the Definitions/Acronyms Standard:
  - AWEA staff will create a ballot to vote on a scope for Acronym and Definitions.
  - AWEA staff will format and prepare the draft standard for ballot.
  - AWEA staff will create a ballot to vote on Acronyms and Definitions document when ready.
- Entry Level Wind Technician Standard update:
  - AWEA staff to submit the Project Initiation Notification (PINS) to ANSI
  - Goal to finalize Entry Level Standards and formatting by July 1st.
  - Subcommittee will review the content of CanWEA’s core competency and GWO standard.
  - AWEA staff will post for vote and public comment prior to Fall Committee meeting.

WWSC Groups:
Contact standards@awea.org if you would like to participate (or know of anyone that would like to participate) in any of the below subcommittees.

- **Workforce Definition Standards Subcommittee**: This subcommittee will work on standardization of terms and definitions, which will also include the need to incorporate other standards. Chairs: Barry Richmond, Alliant, and Tom Sutton, Kalamazoo Valley Community College

- **Wind Technician Entry Level-Minimum Standard Subcommittee**: This subcommittee will work to clean up and format the language developed by the task forces from summer 2017 for the development of a wind technician entry-level minimum standard. Chair: Alan Nelson, Run Energy LP

- **Wind Technician Scope Subcommittee**: The task force developed the scope for the entry-level wind technician standard. Chair: Mike Tinnell, BP Wind Energy

**Next Meeting**
- Teleconference Call: Thursday, May 30, 2019, 11:00 AM – 12:30 PM, Eastern

**2019 Meeting Schedule**
- Teleconference Call: Thursday, May 30, 2019, 11:00 AM – 12:30 PM, Eastern
- In person Meeting: Fall Committee Meetings, Washington D.C. – Tentative August 27
- Teleconference Call: Thursday, November 21, 2019, 2:00 PM – 3:30 PM, Eastern

**Wind Environmental, Health, and Safety Standards Committee (WEHSSC)**

(Current membership = 41 voting members; majority votes = 50%+1; approval = 2/3 of those voting, excluding abstentions and unreturned ballots; quorum=51% voting members)

**Ballots Opening April 1**
- Approval of WEHSSC Draft November 2018 Meeting Minutes
- Approval of WEHSSC membership application for Tech Safety Lines
- Approval of WEHSSC membership application for Deutsche Windtechnik
- Approval of WEHSSC membership application for Hartford Steam Boiler Inspection and Insurance Co
- Approval of WEHSSC Offshore Safety Training Subcommittee
- Approval of WEHSSC Offshore Safety Subcommittee
- Approval of Barry Morris as Chair of the Service Lift Task Force

**Approved Ballots**
- Approval of WEHSSC Draft September 2018 Meeting Minutes: 27 of 38 eligible companies cast their vote before the deadline. - Affirmative received 27 Votes - Negative received 0 Votes - Abstain received 0 Votes The ballot received 0 comments from eligible voters. The ballot received 0 comments from non-voters. Closed on February 27.

- Approval of Proposed WEHSSC 2019 Meeting Schedule: 24 of 38 eligible companies cast their vote before the deadline. - Yes received 22 Votes - No received 0 Votes - Abstain received 2 Votes The ballot received 0 comments. Closed on February 27.

- Approval of WEHSSC membership application for Lincoln Clean Energy: 26 of 37 eligible companies cast their vote before the deadline. - Affirmative received 25 Votes - Negative received 0 Votes - Abstain received 1 Vote The ballot received 0 comments from eligible voters. The ballot received 0 comments from non-voters. Closed on March 19. Please note this ballot was also approved during the February 25 WEHSSC meeting.

**February Meeting Highlights:**
Draft minutes will be posted to Workspace.
• Quorum was met. 27 out of 38 (71%) voting companies attended, and this group requires 51%.

• ANSI Audit update was given by AWEA staff.
  o AWEA provided a response to ANSI and submitted the updated revised AWEA Standards Development Procedures to ANSI.
  o ANSI Executive Committee to meet and review the Audit and AWEA’s response. AWEA hopes to hear back soon.

• The following actions were approved during the meeting. Please note that two-week ballots for each will post April 1, this is for those members who were not able to attend the meeting:
  o Approval of WEHSSC Draft November 2018 Meeting Minutes
  o Approval of WEHSSC membership application for Tech Safety Lines
  o Approval of WEHSSC membership application for Deutsche Windtechnik
  o Approval of WEHSSC membership application for Hartford Steam Boiler Inspection and Insurance Co
  o Approval of WEHSSC Offshore Safety Training Subcommittee
  o Approval of WEHSSC Offshore Safety Subcommittee
  o Approval of Barry Morris as Chair of the Service Lift Task Force

• The Service Lift Task Force will meet soon to develop a scope.

WEHSSC Groups:
Contact standards@awea.org if you would like to participate in any of the below subcommittees.

• **Service Lift Task Force**: This task force will investigate ANSI/ASME A17.8 standard, perhaps partner with ASME. Chair: Barry Morris, Wanzek Construction
• **Wind Safety Standard Subcommittee**: This subcommittee will explore the national Adoption of EN50308 and other relevant European wind energy safety standards. Chair: Dan Olson, GE Renewable Energy
• **Remote & Lone Work**: This Wind EHS Standard Committee's subcommittee will explore remote and "lone" work situations. Chair: Johnathon Wengel, BP Wind Energy
• **Repower Subcommittee**: Wind EHS Standard Committee's subordinate group to address repowering from an EHS perspective. Chair: Chris Daniels, Mortenson Construction
• **Rescue & Self-Evacuation Subcommittee**: This Wind EHS Standard Committee's Subcommittee will explore the development of a rescue and self-evacuation program for the wind industry. Chair: Tom Sutton, Kalamazoo Valley Community College
• **Offshore Safety Subcommittee**
• **Offshore Safety Training Subcommittee**

Next Meeting
• Teleconference Call: Thursday, May 30, 2019, 2:00 PM – 3:30 PM, Eastern

2019 Meeting Schedule
• Teleconference Call: Thursday, May 30, 2019, 2:00 PM – 3:30 PM, Eastern
• In person Meeting: Fall Committee Meetings, Washington D.C., Tentative August 27
• Teleconference Call: Wednesday, November 20, 2019, 11:00 AM – 12:30 PM, Eastern

All standards committee membership forms are online at [www.awea.org/standards-development](http://www.awea.org/standards-development). Questions? Contact standards@awea.org.

---

**List of WSC Subcommittees and Working Groups**

**Wind Technical Standards Committee**
• Structures Subcommittee: Develop structures-related design standards, recommended practices, and technical reports as needed for the wind energy industry. Incorporate national and international consensus standards, as needed.
• AWEA-1 Subcommittee: This subcommittee will review IEC 61400-1 and adopt as an AWEA US national standard, with a US-specific Annex if needed.
• AWEA-24 Subcommittee: This subcommittee will review IEC 61400-24 and adopt as an AWEA US national standard, with a US specific Annex if needed.
• TR-1: Wind Plant Power Performance
• Electrical Task Force: This task force will evaluate potential paths forward for electrical standards in the US given known conflicts between various domestic and international standards.
• Offshore Wind Subcommittee
  o Floating Offshore Working Group
  o Geotech and Geophysical Offshore Working Group
  o Metocean Offshore Working Group
  o OCRP 2012 Maintenance Offshore Working Group
  o Submarine Cables Offshore Working Group

Wind Workforce Standards Committee:
• Wind Technician Entry-Level Minimum Standard: This group will develop the draft standard for minimum entry-level wind technicians – curriculum/learning objectives.
• Wind Definition Standards Subcommittee – To develop a document to standardize terms and definitions, which would incorporate other ANSI and knows standards, for workforce purposes.

Wind Environmental, Health, and Safety Standards Committee
• Wind Safety Standard Subcommittee – To nationally adopt European standards that impact wind energy (worker) safety and health standards (EN 50308 and others).
• Remote & Lone Work Subcommittee – This Wind EHS Standard Committee’s subcommittee will explore remote and “lone” work situations.
• Repower Subcommittee – Wind EHS Standard Committee’s subordinate group to address repowering from an EHS perspective.
• Rescue & Self-Evacuation Subcommittee – This Wind EHS Standard Committee’s Subcommittee will explore the development of a rescue and self-evacuation program for the wind industry.
• Service Lift Task Force – To evaluate ANSI/ASME A17.8 (Standard for Wind Turbine Tower Elevators) and recommend appropriate next steps.
• Offshore Safety Subcommittee
• Offshore Safety Training Subcommittee