<table>
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<tr>
<th>Organizers and Sponsors</th>
<th>Leadership</th>
<th>Organizational Support</th>
<th>Funding and Technical Advice</th>
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<tr>
<td><strong>NREL</strong></td>
<td>Walt Musial</td>
<td>Liz Burdock</td>
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<td>Elizabeth Barminski</td>
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<td><strong>BUSINESS NETWORK 6th OFFSHORE WIND</strong></td>
<td>Sabrina Morelli</td>
<td>Michele Mihelic</td>
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<td>Tom Vinson</td>
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<td><strong>AWEA</strong></td>
<td>Mike Derby</td>
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<td>Gary Norton</td>
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<td><strong>BOEM</strong></td>
<td>Darryl Francois</td>
<td>Dan O’Connell</td>
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<td>Sid Falk</td>
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<td>Cheri Hunter/John Cushing – BSEE</td>
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</table>
AWEA/ANSI U.S. Offshore Wind Recommended Practices Working Groups

**Working Group 1**
AWEA Offshore Compliance Recommended Practices (AWEA OCRP 2012) Maintenance

Rain Byars (Shell) Graham Cranston (DNV-GL)

**Working Group 2**
U.S. Floating Offshore Wind Systems

Lars Samuelsson (ABS) Leif Delp (Equinor)

**Working Group 3**
U.S. Offshore Wind Metocean Conditions Characterization

Michael Drunsic (WSP) Lorry Wagner (Holt/Murphy Advisors)

**Working Group 4**
U.S. Geotechnical and Geophysical Investigations and Design

Matt Palmer (WSP) Mathieu Guinard (Atkins)

**Working Group 5**
U.S. Offshore Wind Submarine Cables

Georg Engelmann (Excipio Energy) Bob Hobson (NKT HV Cables AB)
Timeline of Key Next Steps

- Semi-annual offshore wind standards working group meetings in conjunction with AWEA Offshore WINDPOWER 2020 Conference.
- Working group drafts (Offshore Compliance Recommended Practice [OCRP] 1-5) expected by the end of 2020
- External AWEA/ANSI review cycles will begin in 2021 for all working groups
- All AWEA OCRP documents are scheduled to be published by end of 2021.
OCRPG Document Transition to External Review

- OCRP documents will transition from the AWEA Offshore Wind Subcommittee to AWEA for external review as they are completed by their working groups.

- Comments within the working group meetings have resolved most comments.

- The AWEA/ANSI rules for public review begin at this point.

- AWEA subcommittees are not formal voting bodies; therefore committee drafts will not have an approval ballot at the subcommittee. The approval ballot is done with the WTSC.

- Conveners will determine when the OCRP documents are ready for external review, and the subcommittee chair will deliver them to AWEA.

- Further external reviews by AWEA Wind Technical Standards Committee and the Public are mandatory.
### AWEA/ANSI Standard Development Process

<table>
<thead>
<tr>
<th>AWEA/ANSI Process Steps</th>
<th>Weeks</th>
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</thead>
<tbody>
<tr>
<td>Document finalized by Offshore Wind Subcommittee</td>
<td>1</td>
</tr>
<tr>
<td>AWEA Processing: prepare BSR8 form and final draft to sent to WTSC and ANSI</td>
<td>2</td>
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<tr>
<td>WTSC Ballot Period (30 days)</td>
<td>3</td>
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<tr>
<td>ANSI Processing</td>
<td>4</td>
</tr>
<tr>
<td>ANSI Public Comment Period (45 days)</td>
<td>5</td>
</tr>
<tr>
<td>Receive WTSC Comments and Resolve</td>
<td>6</td>
</tr>
<tr>
<td>Receive Public Comments and Resolve</td>
<td>7</td>
</tr>
<tr>
<td>Return edited document to AWEA for final approval - AWEA processing</td>
<td>8</td>
</tr>
<tr>
<td>AWEA sends final document to ANSI with BSR9 form</td>
<td>9</td>
</tr>
<tr>
<td>ANSI Processing</td>
<td>10</td>
</tr>
<tr>
<td>Document is approved by ANSI</td>
<td>11</td>
</tr>
<tr>
<td>AWEA publishes RP</td>
<td>12</td>
</tr>
</tbody>
</table>

**Wind Technical Standards Committee Ballot Period Closes and WTSC submits comments to sub-committee**

**Go-no-go decision point – are the changes significant enough to require re-balloting?**

**Document is finalized by AWEA**
Offshore Wind Subcommittee

WG2 Floating

Lars Samuelsson
Leif Delp

October 16, 2020
Virtual Semi-Annual Meeting
OCRP WG 2 – Floating Standard Approach

• We will adopt the IEC TS 61400-3-2, Ed. 1 2019-04, Wind energy generation systems – Part 3-2: Design requirements for floating offshore wind turbines

• We will follow the same approach the AWEA / ANSI initiative for land based turbines that will adopt IEC 61400-1, *Wind energy generation systems - Part 1: Design requirements* and only address US specific items.
WG 2 Approach

US Local Authorities Requirements

Committee: #24 Floating Offshore Working Group

We will not reference any “commercial” standards

API RP 2 Serie of Standards for use in the Oil and Gas Industry

IEC TS 61400-3-2
2019, First Edition
TS
- Floating Wind-specific
- Added Floating Offshore-relevant items

AWEA
American Wind Energy Association

AWEA Wind Standards Committee
Summary

• We have had three meetings since the opening Plenary last Friday
• We have agreed to most of the sections
• Main item left is coordination with
  • Metocean Group
  • Geotech Group
  • Cable Group
• Target is to have a document ready for distribution before end of this year
Offshore Wind Subcommittee

WG3 Metocean

Michael Drunsic
Lorry Wagner

October 16, 2020
Virtual Semi-Annual Meeting
Scope of Work of WG 5

1.0 Introduction
2.0 General Introduction
3.0 Route Planning & Permitting
4.0 Cable Route Design
5.0 Site Investigations and Data Handling
6.0 Cable Design
7.0 Cable Procurement & Installation Services
8.0 Cable Manufacturing
9.0 Cable Installation
10.0 Operations, Maintenance and Integrity Management
11.0 Decommissioning
12.0 Documentation/Data Management Requirements

Appendix A Standards Related to this Recommended Practice
Appendix A.1 Standards directly Referenced in this RP
Appendix A.2 Additional Standards Related to OSW Cable systems
Appendix A.3 Additional Useful related references
Appendix A.4 Cable System Educational discussions

This Week’s Highlights

- Participation ~12-15 per session
- 10 hours of Detailed Review
- Real-Time Composition to Fill Gaps
- Over 120 hours of Collective Effort
- 97% of RP Text Fully Written
- Detailed Read-thru Review
- 63% of Text Concurred & Completed
- Weekly One-Hour Working Meetings will Continue
- Two more 3-hour Team Sessions between now and 19 Nov
- WG5 – Wide Final Review and Comment round thru End of December
- Handover OCRP5 to Offshore Wind Subcommittee 08JAN21
Next Meeting
October 29, 11:00 AM, Eastern
Questions?

Contact standards@awea.org.

American Wind Energy Association
www.awea.org/resources/standards