



Chair: R. Sherwin
Vice Chair: D. Brake
Past Chair: J. Colby
Treasurer: G. Alsenas
Secretary: G. Kelly

USNC/IECRE
c/o ARESCA
256 Farrell Farm Rd
Norwich, VT 05505
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CONFIRMED MEETING MINUTES

PLACE OF MEETING: Juno Beach, FL

DATE OF MEETING: Tuesday, October 2, 2018
9:00 AM – 5:00 PM (Eastern Time)
Wednesday, October 3, 2018
9:00 AM – 2:30 PM (Eastern Time)

PRESIDING OFFICER: Bob Sherwin, Chair

I. ADMINISTRATION

A. Chair's Introductions & Announcements

The Chair called the meeting to order at 9:15 AM. He thanked all those in attendance and expressed the entire committee's sincere thanks to NextEra Energy for hosting the meeting.

B. Review of Antitrust & Meeting Guidelines

The purpose of antitrust laws is to preserve economic competition in the marketplace by prohibiting, among other things, unreasonable restraints of trade. In ARESCA activities, it is important to recognize that participants often represent competitive interests. Antitrust laws require that all competition be open and unrestricted.

It is ARESCA's policy, and the policy of each of its committees and subcommittees, to conduct all business and activity openly and transparently, and in full compliance with international, federal and state antitrust and competition laws.

C. Quorum Determination and Roster Review

The committee consists of twenty-two (22) voting members, 15-industry and 7-CBs/TLs. At least a majority of the voting members need to be present to constitute a quorum to establish a duly constituted meeting for the purpose of conducting business.

Eleven (11) voting members were present, constituting a quorum.

VOTING MEMBERS PRESENT:

AIG Global Property	Wally Ebner (by telecon)
Bachman Electronic Corp.	Brian Hill
Boulder Wind Consulting	Sandy Butterfield
EAPC Wind Energy Services.....	Bob Sherwin
Hogan Renewables	Steve Hogan
Intertek.....	Joseph Sposse (by telecon)
McNiff Light Industry	Brian McNiff
National Renewable Energy Laboratory	Jeroen van Dam
NextEra Energy, Inc.	Dan Brake
Resolute Marine Energy, Inc.	William Staby
SNMREC	Gabe Alsenas

VOTING MEMBERS ABSENT:

EDP Renewables North America LLC	Itai Suez
First Solar, Inc.	Sumanth Lokanath
GE Power & Water	Toby Gillespie
Mass CEC WTTC.....	Rahul Yarala
Oregon Applied Research	Rick Williams
Siemens Wind Power Americas	Luis Carbonell
Underwriters Laboratories LLC.....	Steven Margis
Verdant Power.....	Jonathan Colby

MEMBERS ABSENT 3 OR MORE CONSECUTIVE MEETINGS:

DNV KEMA Renewables, Inc.	Luke Simmons
Sempra US Gas and Power	Fausto Perez
SOH Wind Engineering	Robert Stewart

OTHERS PRESENT (NON-VOTING):

Sunset Technology Inc.	George Kelly
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Note: DNV and Sempra voting status is currently recorded as "Observer" having missed three or more consecutive meetings. SOH, Mass CEC and OAR missed the last two meetings.

D. Review/Approve Agenda

The Chair reviewed the agenda for the meeting, and it was approved with additional discussion of WE-OMC and REMC activities (see II.C and II.D).

E. Acceptance of Previous Minutes

The minutes of the August 24, 2018 meeting were circulated to members on August 25 for review and approval. Members were advised that if no

comments were received September 14, the minutes would be automatically approved. No comments or corrections were received.

Question was raised about how to access these minutes and we showed where they are on the ARESCA website. It was requested that there be a link to all the IECRE documents from members-only section of the ARESCA webpage.

II. SYSTEM AND SECTOR ACTIVITIES

A. PV-OMC (George Kelly)

1. Report from the PV-OMC Meeting 9-10 Apr 2018 in Shanghai, China
 - a. Main focus on finances; CBs agreed to pay large annual fee with no limit on number of certificates.
 - b. Discussion today about how the other IEC systems work and whether we should follow one of their funding models.
 - c. We expect a proposal from Europe to move PV project certifications into IECEE. Discussed possibility of proposing the opposite course of action (i.e. moving module/inverter certificates into IECRE). Sandy will be prepared to discuss at CAB meeting in Busan and report results (if any).
2. Promotion of IECRE within US PV industry
 - a. NREL sponsored demonstration program for site inspections; identified several opportunities for improvement in IECRE and TC82 documents.
 - b. Discussion of how to create demand. Leading ideas include making a requirement by 1) financial stakeholders and 2) national codes.
3. Hosting spring 2019 meetings at NIST April 1-5. Expect budget ~\$5K to be split by ARESCA and corporate donors. ARESCA will budget \$2K.

B. ME-OMC (Gabe Alsenas)

1. Report from the ME-OMC Meeting 26-27 Mar 2018 in Seattle, WA was already given in August. Refer to REMC/260/R for additional details.
 - a. OD published for Tidal power performance (first product available); about 4 more in process and expected in 2019.
 - b. Now able to accept Test Labs in ME sector; expect at least one

(EMEC) to apply in the next year. New US lab is under construction in Pacific northwest and will be required to join IECRE when they become operational. Other developments in process but too soon to say anything.

- c. TC114 working on several more TS's which can eventually become part of ME-OMC certificate portfolio.
 - d. In general, the ME industry is growing. Very active in UK and more recently in Canada. The US should try to get Canada to reconsider their withdrawal from IECRE.
- 2. Next ME-OMC meeting will be in Geneva in September (no longer in conjunction with TC114). Sector budget has been reduced as much as possible.
 - 3. Have organized an outreach effort to publicize IECRE at every Marine energy conference. Need to work on articulating the value proposition for new members to join.
 - 4. Bill Staby reported that TC114 US TAG is very active; leading worldwide efforts to develop standards. Ongoing effort to recruit new members including ABS (American Bureau of Shipping).

C. WE-OMC (Bob Sherwin)

- 1. Report from the WE-OMC Meeting 19-20 Apr 2018 in Glasgow, Scotland was already given in August.
- 2. Mass CEC WTTC has completed RETL assessment. Ballots for WE-OMC and REMC approval to be issued soon.
- 3. Presentation to CAPCC (attached) was well received; US delegates to CAB are anxious to help.
- 4. Main topics to be discussed in Sanya meeting:
 - a. Two OEMs say they will get all their old -22 certificates switched over to IECRE. Deadline is 31-Dec-2018.
 - b. Mechanism to pay the annual "blanket" fee (instead of "per turbine" fee) is not clear. Gabe suggested this could go through the Member Bodies. Sandy suggested letter from Geneva explaining the details of how to pay.
 - c. Wally presented end user (SG553) report which includes more detailed estimate of 2019 certifications expected. Listed 4 goals to reach revenue targets and make IECRE viable. Also emphasized importance of Beijing meeting this month to get commitments from end users in China.
 - d. Bob presented slides from EDF outlining strong preference for IECRE certificates and giving technical rationale.

5. Preparation for the WE-OMC Meeting 14-15 Nov 2018 in Sanya, China
 - a. Selection of US delegates – approved unanimously – Wally (HoD), Jeroen, George

D. REMC (Bob Sherwin)

1. Preparation for the REMC Meeting 12-13 Nov 2018 in Sanya, China
 - a. Selection of US delegates – approved unanimously – Jonathan (HoD), Wally, Jeroen, George
2. Review of REMC agenda
 - a. Essentially all reporting; only one DFA for IECRE 02 (we should ask why this was not a DV).
 - b. Would have been better to have WE-OMC at beginning of week and REMC after it.
 - c. Discussion of frequency and purpose of REMC meetings; suggestions to make it every two years or only by web conference.
3. Potential new topics
 - a. Succession planning - Want to bring in new leadership while maintaining international balance.
 - b. Assessment of multiple locations for CB/TLs – the initial assessment should at least include a review of corporate QMS and how it is implemented each location; assessors may or may not be allowed to accept multiple locations if confidence in quality system and a particular competency area is established according to objective criteria. Per decision 2017/01, there is no “global accreditation” until WG501 clarifies the rules. We also think this should be a common policy for all sectors and should be clearly stated in the Basic Rules.
 - c. Task force should be formed to review lessons learned from financial difficulties and proactive steps to improve future results. TF should consist of OMC leaders, WG006 and any others who have relevant input. Report should be completed by 1-Apr-2019.
 - d. Consolidation of PV certifications – we prefer it to be in IECRE rather than IECCE.

Sanya meeting schedule:

Mon	Nov 12:	REMC
Tue	Nov 13 AM:	REMC
Tue	Nov 13 PM:	WG 003
Wed	Nov 14:	WE-OMC
Thu	Nov 15:	WE-OMC

III. OTHER BUSINESS

A. REVISION OF USNC/IECRE RULES (Jonathan Colby)

1. Approval of membership applications
 - a. Suggestion has been made to increase the amount of information provided (to allow better evaluation).
 - b. Counter proposal to eliminate voting and accept anyone who wants to join.
 - c. Agreed to require applicant to describe why they believe they are directly and materially affected by IECRE activity.

B. IECRE budget (Sandy Butterfield)

1. The CAB has assigned a task force to monitor financial situation of the IECRE. We should take the initiative to do a self-assessment and provide input to the CAB task force.

C. TREASURER'S REPORT (Gabe Alsenas)

1. Review of 2018 financial status
 - a. Approximately 13K short of covering expenses; due to five members not paying annual dues
 - b. Long discussion of what to do in those cases
 - c. Proposal to send one final invoice with warning of suspension; Bob prefers to adjust approach for each
 - d. Dan got additional contact at DNV and is communicating regarding their membership
2. Planning for 2019 budget
 - a. Will prepare best and worst cases; then vote on both
 - b. Will include expectation of recruiting a few additional members
 - c. Will include funding to offset 2018 shortfall (either from member dues or external sponsorship)

- d. Will not include funds for sponsorship of 2022 GM

E. OPEN BALLOTS (George Kelly)

- 1. No ballots are open at the present time.

E. ACTION ITEM REVIEW (Bob Sherwin)

- 1. GK to add link to IECRE documents on ARESCA website.
- 2. GK to upload new ME brochure to website.
- 3. SB to assist ME sector with effort to recruit ABS.
- 4. SB to ask Central Office to send letter to each OEM explaining how to pay their \$20K fee by the end of the year.
- 5. GK to revise membership application to require applicant to describe why they believe they are directly and materially affected by IECRE activity.
- 6. GK to send reminders to EDP-R, SOH, DNV and Sempra to pay their 2018 invoices.
- 7. GK to request to have the following topics added to REMC agenda:
 - a. Assessment of multiple locations for CBs and TLs.
 - b. Frequency and location of REMC meetings.
 - c. Task force to review IECRE structure and financial models.
- 8. Bob and Gabe to prepare budget scenarios for review and vote.
- 9. GK to send meeting announcement for conference call at 4pm EST on 30-Nov.

IV. MEETING SCHEDULE

2018 USNC/IECRE Meeting Schedule and Associated Meetings		
23-25 Jan 2018	USNC/CAPCC-TMC-Council	RTP, North Carolina
19 Feb 2018	USNC/IECRE - Establish US position on OMC agenda items	Conference Call
19-23 Mar 2018	TC 114 Marine Energy	Seattle, WA
26-27 Mar 2018	ME-OMC Meetings	Seattle, WA
9-13 Apr 2018	PV-OMC Meetings	Shanghai, China
16-20 Apr 2018	TC 88 Wind Energy	Glasgow, Scotland
16-20 Apr 2018	WE-OMC Meetings	Glasgow, Scotland
1-3 May 2018	USNC/CAPCC-TMC-Council	Austin, TX
24 Aug 2018	USNC/IECRE - Delegate debrief from OMC meetings; plan for 2019 budget	Conference Call
11-13 Sep 2018	USNC/CAPCC-TMC-Council	Arlington, VA
2-3 Oct 2018	USNC/IECRE - Establish US position on REMC and OMC agenda items	Juno Beach, FL
14-19 Oct 2018	TC 82 Solar PV	Busan, Korea
15-26 Oct 2018	82nd IEC General Meeting SMB/CAB/Council	Busan, Korea
12-13 Nov 2018	REMC Annual Meeting	Sanya, China
14-15 Nov 2018	WE-OMC Meetings	Sanya, China
30 Nov 2018	USNC/IECRE - Delegate debrief from REMC & OMC; approve 2019 budget	Conference Call
10-14 Dec 2018	PV-OMC Meetings	Frankfurt, Germany

2019 USNC/IECRE Meeting Schedule and Associated Meetings		
15 Jan 2019	USNC/CAPCC-TMC-Council	Charlotte, NC
Mar 2019	USNC/IECRE - Establish US position on PV-OMC and WE-OMC agenda items	Conference Call
n/a	TC 82 Solar PV	No plenary in 2019
1-5 Apr 2019	PV-OMC Meetings	Gathersburg, MD
8-12 Apr 2019	TC 114 Marine Energy	Delft, Netherlands
6-8 May 2019	TC 88 Wind Energy	Pretoria, South Africa
9-10 May 2019	WE-OMC Meetings	Pretoria, South Africa
Jun 2019	USNC/IECRE - Delegate debrief of PV-OMC and WE-OMC; Establish US position on ME-OMC agenda items	Conference Call
Jun 2019	USNC/CAPCC-TMC-Council	TBD
11-12 Sep 2019	ME-OMC Meetings	Geneva, Switzerland
Sep 2019	USNC/IECRE - Delegate debrief of ME-OMC; Establish US position on REMC agenda items	Norwich, VT
Sep 2019	USNC/CAPCC-TMC-Council	TBD
TBD	REMC Annual Meeting	TBD
Nov 2019	USNC/IECRE - Delegate debrief of REMC; approve 2020 budget	Conference Call

V. ADJOURNMENT

The meeting was adjourned at 2:30 PM

Submitted by G. Kelly
USNC/IECRE Secretary
3-Oct-2018