



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  
www.aresca.us



---

## CONFIRMED MEETING MINUTES

### PLACE OF MEETING:

**Bachmann Electronic Corp.,  
529 Main Street, Suite 125,  
Charlestown, MA 02129**

Dial-In: 1 872 240 3311  
Code: 181 072 717  
Join the meeting: <https://global.gotomeeting.com/join/181072717>

### DATE OF MEETING:

**Tuesday, September 24, 2019**  
9:00 AM – 4:30 PM (Eastern Time)

### PRESIDING OFFICER:

**Bob Sherwin, Chair**

#### I. ADMINISTRATION

##### A. Chair's Introductions & Announcements

##### 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 under the USNC/IECRE rules (noting that two members have been placed on Observer status due to lack of participation).

**VOTING MEMBERS PRESENT:**

AIG Global Property .....Wally Ebner (by proxy)  
Bachman Electronic Corp..... Brian Hill  
Boulder Wind Consulting .....Sandy Butterfield  
EAPC Wind Energy Services.....Bob Sherwin  
EDP Renewables North America LLC .....Nathan Brunner  
GE Power & Water .....Toby Gillespie (by web)  
Mass CEC WTTC.....Rahul Yarala (by web)  
McNiff Light Industry .....Brian McNiff  
Oregon Applied Research .....Rick Williams (by web)  
Resolute Marine Energy, Inc. ....William Staby  
SNMREC .....Gabe Alsenas

**VOTING MEMBERS ABSENT:**

\* ArcVera Renewables.....John Bosche  
\* First Solar, Inc. ....Sumanth Lokanath  
\* Hogan Renewables.....Steve Hogan  
\* NextEra Energy, Inc. ....Dan Brake  
\* Siemens Gamesa Renewable Energy .....Luis Carbonell  
\* Underwriters Laboratories LLC .....Steven Margis  
\* Verdant Power .....Jonathan Colby  
\*\* National Renewable Energy Laboratory .....Jeroen van Dam  
\*\* Wetzels Wind Energy Services.....Kyle Wetzels

**MEMBERS ABSENT 3 OR MORE CONSECUTIVE MEETINGS:**

\*\*\* Intertek..... Paul Moliski  
\*\*\* SOH Wind Engineering .....Robert Stewart

**OTHERS PRESENT (NON-VOTING):**

Sunset Technology Inc. ....George Kelly

**Notes:**

- \*\*\* Member has missed three consecutive meetings and placed on Observer status.
- \*\* Member has missed two consecutive meetings.
- \* Member has missed one meeting.

**D. Review/Approve Agenda (Chair)**

- a. Sandy Butterfield requested a review of the REMC draft agenda (see item D.2)

**E. Acceptance of Previous Minutes**

The minutes of the June 12, 2019 meeting were circulated to members on June 16 for review and approval. Members were advised that if no comments were received July 2, the minutes would be automatically approved. No comments or corrections were received.

**II. SYSTEM AND SECTOR ACTIVITIES**

**A. PV-OMC (George Kelly)**

1. Results of the WG 004 meeting 16-17 Sep 2019 in Tempe, AZ
  - a. Discussed 5 recommendations to be discussed in Feldkirch
  - b. These will be circulated to the full committee for voting to establish our position
  - c. Funding for promotion is desperately needed but unlikely to be approved at the levels requested
2. PV working group meetings (including WG004) in 15-18 Oct 2019 in Tokyo, Japan
3. Discussion of strategy to promote IECRE within the PV industry
  - a. Get large end users or financiers involved; they can create demand
  - b. Working with EU Commission to make certification required for publicly funded projects
  - c. Require exclusivity agreement from participating CBs (which are presently offering private-label services)
  - d. Publish white paper and/or brochure like WE sector

**B. ME-OMC (Gabe Alsenas)**

1. Results of the ME-OMC Meeting 10-11 Sep 2019 in Geneva, Switzerland
  - a. 4 of 5 MBs attended; elected new vice chair from UK
  - b. WG360 has ~4 ODs in process (technology qualification, design, test reports) that will be the portfolio of products for ME
  - c. Expect OMCs to become WGs; will resume budget work in 006

- d. Expect 1 RETL and 1 new MB next year
  - e. Have had significant promotional support from MET-Certified; considering a similar project in US funded by DOE
2. Call for nominations for new ME-OMC WG 361
    - a. To develop rules for peer assessment
    - b. Expect a lot of help from Alistair
    - c. Will allow for 17025 compliance without previous accreditation
    - d. Expect 3 CBs to sign up all at once when TQ OD is ready
  3. Sandia National Lab will join as a government member (but not TL) primarily driven by participation in standards development

**C. WE-OMC (Bob Sherwin)**

1. Preparation for the WE-OMC working group meetings Oct-Nov 2019
  - a. 66 certificates issued to date; many are conversions from -22
  - b. 10 OEMs and 25+ TLs participating; driven by demand from end users
2. ODs still in process for project certifications; long list of requests still to be addressed
  - a. First priority is submodule for site suitability; progress is tied to standards development (-15)
3. Wally described promotional activity and meetings with potential new members or customers
  - a. NREL has provided funds for ARESCA to publish literature and attend industry events
  - b. EU also considering regulatory requirement for offshore project certification
  - c. Considerable interest from ABS (also important for ME sector) and Bank of America
4. NREL & ARESCA hosted cybersecurity workshop in July
  - a. Good participation; attendees from 7-8 countries; expect another one next spring
  - b. There is growing interest in Certificates of Compliance as a conformity assessment product

**D. REMC (Bob Sherwin)**

1. Preparation for the REMC Meeting 18-19 Nov 2019 in Feldkirch,

Austria

- a. George, Sandy, Jonathan and Gabe attending as officers
  - b. Bob and Brian H. attending as US delegates; approved unanimously
  - c. One more slot available; action for George to send reminder asking if anyone else wants to attend
  - d. Bob will attend WG006 as an observer for this meeting (Gabe, Bill and George are already members); Brian will shake trees
2. Sandy reviewed REMC agenda items for input or comments
  3. Discussion of “Lessons Learned” document (CAB/1840/DC)
    - a. Financial WG/committee should receive significantly more support from IEC – and should have input about expenses as well as revenue
    - b. Stakeholder commitment and involvement are key to success
    - c. IECRE should be able to include new technologies as they are developed; these new technologies need a lot of support to learn how to operate in the IEC system
    - d. IEC needs to allocate funds for starting up; and needs to advise new startups based on past experience
    - e. All of these lessons are less important to IECRE than they are to CAB

**Feldkirch meeting schedule:**

Mon	Nov 18:	REMC
Tue	Nov 19 AM:	REMC
Tue	Nov 19 PM:	WG meetings
Wed	Nov 20:	WG 004 Promotion
Thu	Nov 21 AM:	WG 004 Promotion
Thu	Nov 21 PM:	WG 006 Finance
Fri	Nov 22 AM:	WG 006 Finance

**III. OTHER BUSINESS**

**A. REVISION OF USNC/IECRE RULES (George Kelly)**

1. Harmonized rules for US CA systems are under development
2. Jonathan is working on supplement for USNC/IECRE

3. Deadline is 1-Nov for input if we want ANSI to adopt changes in January

**B. TREASURER'S REPORT (Gabe Alsenas)**

1. Review of 2019 financial status
  - a. \$55K of invoices still outstanding (just over half)
  - b. If we collect everything, we will have a small contingency (for the first time)
  - c. Sempra and DNV still owe from past years; probably will not be recovered unless they re-join system
  - d. This is part of a bigger issue that needs to be resolved by WG006; discussion will take place in Feldkirch, but don't expect full resolution
2. Planning for 2020 budget
  - a. Gabe preparing scenarios to address possibility of losing (or gaining) new members in the US
  - b. No supplemental invoice this year, so we anticipate US dues will be flat or slightly lower
  - c. Discussed cash flow through ARESCA; it is being used to offset late payments and must be improved
  - d. Gabe is waiting a couple of weeks for accounts receivable before circulating budget scenarios
  - e. Adding new members is very important; we have several almost ready to join and are working on more
  - f. Any suggestions would be appreciated for improved way to present the budget

**C. GENERAL MEETING 2022 SPONSORSHIP (Dan Brake)**

1. Dan & Bob made initial commitment to CAPCC that USNC/IECRE would consider being a "minor" sponsor for \$5K
2. Sandy strongly encourages all TCs to meet in conjunction with the General Meeting. George noted that this would require a change to the normal schedule for both TC82 and TC88.

**E. OPEN BALLOTS (George Kelly)**

1. Voting process still has minor glitches, which are being addressed as part of an overall upgrade of the ARESCA website. Members are encouraged to offer any suggestions for improvements

Doc #	Title	US Voting Deadline
US/RE/19/DV	Appointment of Nathan Brunner (EDP-R) to WG409 Quality Control	28-Sep
REMC/385/DV	Ratification of Moeller Operating Engineering GmbH (M.O.E.) for its RETL scope extension to include Acoustic testing within the IECRE System	28-Sep
REMC/387/DV	Ratification of DEWI-OCC Offshore and Certification Centre GmbH for its RECB scope extension to include Project Certificate within the IECRE System	28-Sep
REMC/291/DFA	Nomination and approval of the IECRE Chair	28-Sep
REMC/346/DFA	IEC CA 01 Ed. 3.0 – IECRE Supplement Track change version	28-Sep
REMC/392/DV	To approve the draft PV generic certificate and Test Report templates	3-Oct

**Note:** US voting period is set at 30 days, assuming at least one week before the IECRE deadline to allow for resolution of comments if necessary.

**E. ACTION ITEM REVIEW (Bob Sherwin)**

1. George to send reminder to rest of the committee to see if anyone else wants to be a delegate in Feldkirch
2. All members to report voting problems or provide suggestions for improvement to the ARESCA website to George

**IV. MEETING SCHEDULE**

<b>2019 USNC/IECRE Meeting Schedule and Associated Meetings</b>		
15 Jan 2019	USNC/CAPCC-TMC-Council	Charlotte, NC
<b>8 Feb 2019</b>	<b>USNC/IECRE - Establish US position on PV-OMC and WE-OMC agenda items</b>	<b>Conference Call</b>
n/a	TC 82 Solar PV	No plenary in 2019
1-5 Apr 2019	PV-OMC Meetings	Gaithersburg, MD
8-12 Apr 2019	TC 114 Marine Energy	Delft, Netherlands
30 Apr-2 May 2019	USNC/CAPCC-TMC-Council	Milwaukee, WI
6-8 May 2019	TC 88 Wind Energy	Pretoria, South Africa
9-10 May 2019	WE-OMC Meetings	Pretoria, South Africa
<b>12 Jun 2019</b>	<b>USNC/IECRE - Delegate debrief of PV-OMC and WE-OMC; Establish US position on ME-OMC agenda items</b>	<b>Conference Call</b>
11-12 Sep 2019	ME-OMC Meetings	Geneva, Switzerland
11-13 Sep 2019	USNC/CAPCC-TMC-Council	Arlington, VA
<b>24 Sep 2019</b>	<b>USNC/IECRE - Delegate debrief of ME-OMC; Establish US position on REMC agenda items</b>	<b>Boston, MA</b>
18-19 Nov 2019	REMC Annual Meeting	Feldkirch, Austria
<b>Nov-Dec 2019</b>	<b>USNC/IECRE - Delegate debrief of REMC; approve 2020 budget</b>	<b>Conference Call</b>

<b>2020 USNC/IECRE Meeting Schedule and Associated Meetings</b>		
Jan 2020	USNC/CAPCC-TMC-Council	TBD
<b>Feb 2020</b>	<b>USNC/IECRE - Establish US position on OMC agenda items</b>	<b>Conference Call</b>
16-17 Mar 2020	TC 88 Wind Energy	Chennai, India
18-20 Mar 2020	WE WG Meetings	Chennai, India
Spring 2020	TC 114 Marine Energy	TBD
Spring 2020	ME WG Meetings	Geneva, Switzerland
Spring 2020	TC 82 Solar PV	TBD
Spring 2020	PV WG Meetings	TBD
<b>May-Jun 2020</b>	<b>USNC/IECRE - Delegate debrief from TC and WG meetings</b>	<b>Conference Call</b>
May 2020	USNC/CAPCC-TMC-Council	TBD
<b>Aug-Sep 2020</b>	<b>USNC/IECRE - Establish US position on REMC agenda items</b>	<b>TBD (face to face)</b>
Sep 2020	USNC/CAPCC-TMC-Council	TBD
Oct 2020	IEC General Meeting SMB/CAB/Council	Stockholm, Sweden
Oct-Nov 2020	REMC Annual Meeting	Jeju, Korea
<b>Nov-Dec 2020</b>	<b>USNC/IECRE - Delegate debrief from REMC; approve 2021 budget</b>	<b>Conference Call</b>

**V. ADJOURNMENT**