

Standards Committee of the Board (SCB) MEETING MINUTES

PLACE OF MEETING: Online
Meeting Link: <https://global.gotomeeting.com/join/181072717>
Dial-In: 1 872 240 3311
Code: 181 072 717

DATE OF MEETING: Thursday, February 22, 2024
3:00 PM – 4:00 PM (Eastern Time)

PRESIDING OFFICER: Jonathan Colby

I. ADMINISTRATION

- A. Chair's Introductions & Announcements
- a. Jonathan purchased an ARESKA standard from ANSI
 - b. Alton inquired about buying a license from ARESKA
 - c. We haven't done that yet, but ANSI does
 - d. ARESKA has applied to be TAG administrator for TC 57 (see scope below)

B. Review of Antitrust & Meeting Guidelines

The secretary read the ARESKA guidelines which are applicable:

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

It is ARESKA'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 presently consists of 14 voting members. One more than 50% of the voting members need to be present to constitute a quorum to establish a duly constituted meeting for the purpose of conducting

business.

Present: George Kelly (secretary), Bob Sherwin (ex officio), Alton Payne, Jonathan Colby (chair), Kyle Wetzel, Brian Hill, Ryan O'Connor, Linkesh Diwan, Toby Gillespie

Absent: John Bosche, Gabe Alsenas, Taylor Geer, Arielle Cardinal, Lars Samuelsson, Mark Goldman (observer), Chris Oliver (observer), Brian McNiff, Steve Hogan, Ben Coco (observer)

A quorum was not present (7 of 14 voting members).

There is still one available slot on the SCB.

OPEN ACTION: We need to designate a vice chair.

D. Review/Approve Agenda

The meeting agenda was accepted with no changes.

E. Acceptance of Previous Minutes

The minutes from January 17 were accepted without changes.

II. NEW BUSINESS

A. ANSI Audit:

- i. Audit documentation package was submitted 19-Jan.
- ii. Expect to receive findings about:
 1. Ballots from members not attending meetings.
 2. Public outreach beyond ANSI *Standards Action*. (BSEE may be able to help with this; also NREL or DOE for marine)
 3. Toby suggests this could also incorporate IECRE activities
- iii. Will need to revise ARESKA operating procedures.

B. National Adoptions Subcommittee:

- i. Publications
 1. 39 standards now available on ANSI webstore
 2. 7 standards waiting for IEC publication; extensions granted
- ii. ANSI review
 1. Nothing at present
- iii. Public review
 1. Nothing at present

- C. National Differences:
 - i. Small turbines
 - 1. Report from Joe and Brent (see below)
 - ii. Inflow and loads issues
 - 1. Report from Peter – nothing identified yet
 - 2. Still looking but probably won't propose any changes
 - iii. Site calibration
 - 1. Report from John – not a high priority at the moment
 - iv. Electrical issues
 - 1. Still need to find a project leader
 - 2. Possibility that EPRI may nominate somebody
 - v. Jonathan suggested that we wait until after the ANSI audit is complete, so we can clarify our rules for national differences

- D. SC8A and 8B Microgrid Standards:
 - i. Recruitment of experts – solicited input from US TAGs but nothing received so far.
 - ii. George attended online design course. If any interest, go to this link:
<https://www.youtube.com/playlist?list=PLdMsn9EGVqHb8ux6alLfW-swhVA2Xbx5w>

III. OLD BUSINESS

- A. Offshore Safety Standards
 - i. Cost of publishing – no update. Action for George and Bob

- B. Cybersecurity standards
 - i. DOE/NREL workshop rescheduled; Bob could not attend
 - ii. Opportunity to write article for ANSI newsletter. Missed deadline for this edition, but we can submit any time.

IV. ANY OTHER BUSINESS

- A. ARESCA to host USNC Management meetings Sept 9-13 in Norwich.
 - i. Will need to cancel board meeting that week.
 - ii. Jonathan suggested that we invite board members and SCB to attend as observers.

- B. ACP O&M conference
 - i. Created a new 501(c)3 Clean Power Institute focused on education

- ii. WTSC meeting went well; ACP making progress
- iii. Operations wind performance group started
- iv. No apparent conflicts or duplication of our efforts

C. Potential need for revision to -1 for larger turbines

- i. Toby thinks this should be covered through the IECRE Joint Working Forum

IV. ACTION ITEM REVIEW

- A. Jonathan and Toby to develop a list of possible channels for public communication beyond ANSI.
- B. George & Bob to provide an estimate of how much is required to cover the cost of publishing.
- C. The SCB needs to designate a vice chair.

IV. ADJOURNMENT 3:59 PM - Next meeting 20-Feb.

TC 57 Scope

To prepare international standards for power systems control equipment and systems including EMS (Energy Management Systems), SCADA (Supervisory Control And Data Acquisition), distribution automation, teleprotection, and associated information exchange for real-time and non-real-time information, used in the planning, operation and maintenance of power systems. Power systems management comprises control within control centers, substations and individual pieces of primary equipment including telecontrol and interfaces to equipment, systems and databases, which may be outside the scope of TC 57. The special conditions in a high voltage environment have to be taken into consideration.

Note 1: Standards prepared by other technical committees of the IEC and organizations such as ITU and ISO shall be used where applicable.

Note 2: Although the work of TC 57 is chiefly concerned with standards for electric power systems, these standards may also be useful for application by the relevant bodies to other geographical widespread processes.

Note 3: Whereas standards related to measuring and protection relays and to the control and monitoring equipment used with these systems are treated by TC 95, TC 57 deals with the interface to the control systems and the transmission aspects for teleprotection systems. Whereas standards related to equipment for electrical measurement and load control are treated by TC 13, TC 57 deals with the interface of equipment for interconnection lines and industrial consumers and producers requiring energy management type interfaces to the control system.

Joe Spossey provided me a rather lengthy list of edits to the 61400 standards related to the small turbine issues. In general, almost all of the edits with a few exceptions relate to specific call-outs to the IEC 61400-2 where it would be more appropriate to reference the ACP 101-1 in the U.S. There are also a couple of cases where size references for small turbines are included that are outdated with reference to the ACP 101-1 and will be outdated with the new version of 61400-2.

My take on the priority/importance of addressing edits, based on the number of issues and the significance of the issues is:

- 61400-12 family – this standard is referenced in 61400-2 and ACP 101-1, so it is not clear whether these issues need to be fixed in the international versions to align them with 61400-2. Committee will need to sort out.
 - 61400-12:2023 – an extensive number of edits
 - 61400-12-1:2023 – multiple edits
 - 61400-12-3:2023, 12-5:2023 – isolated references to methods; we need to consider
- 61400-1 – references to 61400-2, plus the entire Annex M on medium turbines may be moved to 61400-2 in new editions and it overlaps ACP 101-1. I propose removing Annex M for US adoption.

Standards where the only issue is an exclusive reference to 61400-2 and inclusion of 61400-2 in the normative references.

- 61400-5
- 61400-30
- 61400-50 (bibliography only)

61400-24: Informative annex for small wind turbines will probably be removed from next edition, and there is a reference to medium sized wind turbines that may be inconsistent with -1 and -2 and ACP101-1. Maybe all of this gets fixed in the next edition of -24. -24 is not required for small turbines so maybe this is all moot.

Joe also raised issues with respect to several IEC standards that do not mention small turbines at all, but where there may be some confusion as to whether the standard is applicable to “medium-sized” turbines covered by ACP 101-1 but not 61400-2 as presently drafted. This includes -26-1, -29, -50-1. I don’t see a need to address anything here.

We might wish to have a meeting of the NA subcommittee and discuss there before making a decision.