

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: Wednesday, September 20, 2023
3:00 PM – 4:00 PM (Eastern Time)

PRESIDING OFFICER: George Kelly

I. ADMINISTRATION

A. Chair's Introductions & Announcements

Jonathan will miss this meeting and the next one.

B. Review of Antitrust & Meeting Guidelines

The secretary read the ARESCA 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 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 presently consists of 14 voting members. At least 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, John Bosche, Kyle Wetzel, Ryan O'Connor, Brian Hill, Arielle Cardinal,

Gabe Alsenas, Linkesh Diwan

Absent: Jonathan Colby (chair), Steve Hogan, Taylor Geer, Toby Gillespie, Lars Samuelsson, Brian McNiff, Graham Cranston (observer), Chris Oliver (observer)

A quorum was present (8 of 14 voting members). There is now one available slot on the SCB. 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 August 16 were accepted without changes.

II. **NEW BUSINESS**

A. National Adoptions Subcommittee:

i. Publications

1. Reviewed list of published standards; 14 new since last meeting (38 total).
2. 61400-30 published by IEC 15-Sep and by ARESKA today.
3. 61400-31 still at BPUB stage (overdue since Aug).

ii. ANSI review

1. Nothing at present

iii. Public review

1. Nothing at present – discussion about lack of comments and active TAG members.
2. Circulation through ANSI may not be sufficient. Other methods of outreach should be considered.

B. National Differences:

- i. The NAS met on 8-Sep to discuss this topic.
- ii. Refer to meeting notes at the end of these minutes.
- iii. Peter Gregg to draft an abstract for a new PIN on procedures for performing site calibration for partial repowering projects.
- iv. George to circulate Standards Development Procedures with the minutes,

C. SC8B Microgrid Standards:

- i. Recruitment of experts
 - 1. **ACTION:** George to contact the US TAG (SC 8A, SC 8B and TC 8) and ask for input regarding the value of adoption and the need (or lack thereof) for national differences.
- ii. Review of potential adoptions
 - 1. 3 Technical Specifications are published, 3 are pending.
 - 2. Do not adopt the published TR documents.

III. **OLD BUSINESS**

- A. Offshore Safety Standards
 - i. **OPEN ACTION:** George & Bob will provide estimate of how much is required to cover cost of publishing – will do in Arlington next week.
 - ii. Received input from ANSI about their costs for 2024.
- B. Cybersecurity Standards
 - i. Nothing new

IV. **ACTION ITEM REVIEW**

- A. **ACTION:** George to contact the US TAG (SC 8A, SC 8B and TC 8) and ask for input regarding the value of adoption and the need (or lack thereof) for national differences.
- B. **OPEN ACTION:** George & Bob will provide estimate of how much is required to cover cost of publishing – will do in Arlington next week.

IV. **ADJOURNMENT** 3:57 PM

ADDENDUM: National Adoptions Subcommittee Meeting Notes

Participating in the Sept. 8 meeting were: Kyle Wetzel, John Bosche, Peter Gregg, Alton Payne, Diwan Linkesh, Joe Spossey, Nathan Brilliant, Mark Goldman, Bob Sherwin

Note: None of the marine energy subject matter experts (Jonathan, Arielle, Gabriel, or Roy) were able to join the call. As a result, we did not discuss any of the 62600 standards. I will try to schedule another meeting of the NA subcommittee soon to discuss the 62600 family.

Recommended Actions with respect to ANSI/ARESCA 61400 standards:

1. The NA subcommittee went through all of the 61400 standards and addressed each one-by-one. We did not identify a significant number of specific 61400 standards for which we anticipate that significant national edits are required. Instead, we actually identified the need to assemble a few committees of subject matter experts on specific topics and have those experts review multiple 61400 standards with respect to each topic to see if multiple standards may require edits to address US-specific needs with respect to those topics. These topics include:
 - a. Electrical. ARESKA chose not to adopt the 61400-21 family of standards as US national standards because they are not used in the US in deference to existing US standards. However, there may be prescriptive references to the 61400-21 standards in other standards (e.g., 61400-1, -2, -3-1, -3-2, -24, -30, etc.). We believe electrical experts should review all of the applicable ARESKA 61400 standards to determine if we need to edit language to remove prescriptive requirements related to the 61400-21 and include reference to applicable US standards.
 - b. Inflow modeling and loads analysis. Given the evolution of inflow models and loads modeling that has occurred in various editions of the 61400-1, -3-1, and the -3-2 – which are no longer necessarily synced very well -- it is felt that a committee of subject matter experts should review these and other applicable standards (e.g., -12-X, -28, etc.) with an eye towards whether those models are consistent with current understanding of US climactic models. It is recognized that US climactic conditions may not be unique, and it is also understood that OEMs are not going to design turbines specific to the US. However, if there is a consensus that US conditions are not being properly captured by the current IEC standards, then the publication of a US national standard might drive the OEMs to account for such conditions in their designs, and it may drive change in future editions of the international 61400 standards. Note that such US standards could have significant impact on site suitability assessment in the US, even if the turbine design are not changed. This committee of subject matter experts could recommend edits to specific standards or could recommend the creation of a new ARESKA standard that defines inflow models, with edits to the other standards referencing this new standard for US national applications.
 - c. Small turbine issues. Note that the recommendation of creation of a committee is actually my recommendation that was specifically discussed during the NA meeting. Joe raised concerns that the -12-1 includes an Annex H regarding power performance testing of small turbines that needs to be removed from the US national version in deference to the ACP 101-1. I recommend that we create a small committee of US small turbine experts to review all of the adopted 61400 standards and see where they make reference to small turbines. For example, the 61400-30 related to design for safety had a reference to size limits that I commented on at the CDV stage as being possibly inconsistent with the new version of 61400-2. I thought it was a mistake to put a specific size reference in the 61400-30. I don't know if this was fixed in the final release. It may be appropriate to have a few small wind experts go through all of the 61400 standards quickly and see which ones may have references that are inconsistent with the ACP 101-1 or the anticipated scope of the new 61400-2.
2. The only specific standards that were identified as probably requiring US national edits are:
 - a. 61400-12-X: Peter Gregg believes that this standard creates issues with performing site calibration for partial repowering projects. Although the issue is not necessarily specific

to the US, commercially the partial repowering problem is largely a US problem, so ARESCA should address this issue. We discussed two options, one to edit the appropriate -12-X standard(s) or alternatively, ARESCA could create its own TS or IS with recommended procedures for performing site calibration for partial repowering projects.

- b. 61400-3-2. Since the currently published document is a TS, we decided to defer national edits on this until the new IS is published, at which point we do recommend that the national edit process starts. We have discussed the -3-2 standard extensively in recent months in the context of soliciting comments from US stakeholders on the CDV and using those comments that are not reflected in the final IS as the basis for US national edits where necessary.
3. Standards that are forthcoming in the near future that we believe will need US national edits, so we need to prepare for assembly of appropriate committees of subject matter experts at that time:
 - a. 61400-28 – through life management and life extension –
 - b. 61400-8 – design of structures
4. Note that 61400-6 does require US national edits, but that standard is being adopted by ACP.