AGENDA
2012-2013 BOARD OF GOVERNORS

Day & Time: Thursday, February 14, 2013 12:00 PM – 1:00 PM*
Location: Web conference
Toll Free: 800 -768- 2481
Outside Toll Free: 212-231-2919
Live Meeting: https://www.livemeeting.com/cc/asme/join?id=RSFKT2&role=attend

1. Opening of the Meeting
12:00 PM – 12:05 PM

1.1. Call to Order Marc Goldsmith

1.2. Adoption of the Agenda Marc Goldsmith ACTION
A motion should be made to accept the Agenda as circulated on January 31, 2013.

1.3. Announcements and Recognition of Special Guests Marc Goldsmith

2. Discussion Items
12:05 PM – 12:50 PM

2.1. Committee of the Whole Marc Goldsmith ACTION
A motion should be made to approve going “as if in Committee of the Whole,”
where open discussion is permitted and only a memo of issues discussed by
topic is maintained by the Secretary.

2.2. Sector Management Committee (5 minutes) INFORMATION
Madiha Kotb

2.3. Strategic Discussion

2.3.1. Update on 2014-16 Budget Process (15 minutes) INFORMATION
Reggie Vachon
(Agenda Appendix 2.3.1)

2.3.2. Update on Transition to One 990 (10 minutes) INFORMATION
June Ling
(Agenda Appendix 2.3.2)

2.3.3. Update on Move/Sublease (10 minutes) INFORMATION
John Delli Venneri
(Agenda Appendix 2.3.3)

*Executive Session planned for 1:05 PM – 1:40 PM. A separate agenda will be sent to those
invited to attend.
2.3.4 ASME.org Update (5 minutes)  
Susan O’Neil  
(Agenda Appendix 2.3.4)

2.4 Motion to Return to Formal Session.  
A motion should be made to move out “as if in Committee of the Whole.”

3. Consent Calendar  
12:50 PM – 12:55 PM
The Consent Calendar is limited to items of a routine or non-controversial nature, grouped together to save Board time. Consent Items for Receipt are report items for information, followed by Consent Items for Action that the Board is asked to take action on as a group.

Governors are encouraged to contact ASME Headquarters with their questions prior to the meeting as it is not expected that Consent Receipt or Action items are to be removed from the Agenda. Reports, whether for information or action, are to be in writing and part of the Consent Calendar, unless otherwise approved by the President.

3.1. Consent Items for Receipt

3.1.1 Report by the Treasurer  
INFORMATION  
Warren DeVries  
Financial statements will be distributed under separate cover.

3.1.2 Sector Management Committee Report  
INFORMATION  
Madiha Kotb  
(Agenda Appendix 3.1.2)

3.1.3 Qualified Content Contributors  
INFORMATION  
Roy Arbeit  
(Agenda Appendix 3.1.3)

3.1.4 Membership Model Pilot Update  
INFORMATION  
Roy Arbeit  
(Agenda Appendix 3.1.4)

3.1.5 Pathway 2025  
INFORMATION  
Thomas Loughlin  
(Agenda Appendix 3.1.5)

3.1.6 Motion for Receipt  
ACTION

3.2 Consent Items for Action

3.2.1 Identification of Items to be removed from Consent Calendar  
Any action items to be removed from Consent Calendar by request from any member of the Board of Governors.

3.2.2 Approval of Minutes from Meeting on November 10, 2012
3.2.3 Committee on Organization and Rules Larry Luna

3.2.3.1 Proposed Appointments
(Agenda Appendix 3.2.3.1)

3.2.3.2 By-Law B7.1 for Second Reading
(Agenda Appendix 3.2.3.2)

3.2.4 Appointment of Vice President, Government Relations
William Wepfer
(Agenda Appendix 3.2.4)

3.2.5 Ratification of SWE as new member of ABET
William Wepfer
(Agenda Appendix 3.2.5)

3.2.6 Board Resolution for JP Morgan Chase
William Garofalo
(Agenda Appendix 3.2.6)

3.2.7 Dates of Future Meetings.

<table>
<thead>
<tr>
<th>DATE</th>
<th>DAY</th>
<th>TIME</th>
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<tbody>
<tr>
<td>April 18, 2013 (a)</td>
<td>Thursday</td>
<td>12:00 PM – 1:30 PM</td>
<td>New York, NY</td>
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<td>Executive Session</td>
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<td>April 19, 2013 (a)</td>
<td>Friday</td>
<td>8:00 AM – 1:00 PM</td>
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<td>June 23, 2013 (a)</td>
<td>Sunday</td>
<td>10:00 AM – 11:30 AM</td>
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<td>Executive Session</td>
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<tr>
<td>June 26, 2013 (b)</td>
<td>Wednesday</td>
<td>10:00 AM – 11:15 AM</td>
<td>Indianapolis, IN</td>
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<td>Executive Session</td>
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<td>11:30 AM – 3:00 PM</td>
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<td>September 2013 (b)</td>
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<td>Board Meeting &amp; Retreat</td>
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<td>Date, Time, and Location TBD</td>
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<td>November 16, 2013 (b)</td>
<td>Saturday</td>
<td>8:30 AM – 10:00 AM</td>
<td>San Diego, CA</td>
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<td>Executive Session</td>
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<td>10:30 AM – 4:30 PM</td>
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<tr>
<td>February 13, 2014 (b)</td>
<td>Thursday</td>
<td>12:00 PM – 2:00 PM</td>
<td>Web Conference</td>
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(a) 2012-2013 Board of Governors  (b) 2013 – 2014 Board of Governors

3.3 Motion for Consent Action ACTION
4. **Contingency Time for Discussion and Other Business**

   Subject to the President’s discretion, Contingency Time may be used for discussion of items pulled from the Consent Calendar and Other Business.

5. **Adjournment**

   1:00 PM
List of Appendices

2.3.1 Update on 2014-16 Budget Process
2.3.2 Update on Transition to One 990
2.3.3 Update on Move/Sublease
2.3.4 ASME.org Update
3.1.2 Sector Management Committee Report
3.1.3 Qualified Content Contributors
3.1.4 Membership Model Pilot Update
3.1.5 Pathway 20125
3.2.3.1 Proposed Appointments
3.2.3.2 By-Law B.7.1 for Second Reading
3.2.4 Appointment of Vice President, Government Relations
3.2.5 Ratification of SWE as new member of ABET
3.2.6 Board Resolution for JP Morgan Chase
Date Submitted: January 29, 2013
BOG Meeting Date: February 14, 2013

To: Board of Governors
From: COFI
Presented by: Reggie Vachon
Agenda Title: Update on 2014-2016 Budget Process

Agenda Item Executive Summary:

A brief update on the activities of the January joint meeting of the SMC and COFI and the development of the new budgeting process.

Proposed motion for BOG Action: (if appropriate)

None.

Attachments:

No advance materials
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: January 24, 2013
BOG Meeting Date: February 14, 2013

To: Board of Governors
From: (Sector/Unit/Task Force/Other)
Presented by: June Ling
Agenda Title: Update on Transition to One 990

Agenda Item Executive Summary: (Do not exceed the space provided)

A verbal update on the transition to one 990 will be given.

Proposed motion for BOG Action: (if appropriate)

None.

Attachments:

None.
Date Submitted: January 24, 2013
BOG Meeting Date: February 14, 2013

To: Board of Governors
From: (Sector/Unit/Task Force/Other)
Presented by: John Delli Venneri
Agenda Title: Update on Move / Sublease

Agenda Item Executive Summary: (Do not exceed the space provided)

A verbal update on the move from 3 Park Avenue to 2 Park Avenue will be given as well as an update on the sublease of 3 Park Avenue.

Proposed motion for BOG Action: (if appropriate)

None.

Attachments:

None.
Date Submitted: January 24, 2013
BOG Meeting Date: February 14, 2013

To: Board of Governors
From: (Sector/Unit/Task Force/Other)
Presented by: Susan O’Neil
Agenda Title: ASME.org Update

Agenda Item Executive Summary: (Do not exceed the space provided)

A verbal update on ASME.org phase 2 will be given.

Proposed motion for BOG Action: (if appropriate)

None.

Attachments:

None.
Date Submitted: January 28, 2013
BOG Meeting Date: February 14, 2013

To: Board of Governors
From: Sector Management Committee

Agenda Item Executive Summary:

The report updates the BOG on SMC activity and is for information only. There is no action required.

Proposed motion for BOG Action: (if appropriate)

No Action

Attachments:
One
SMC OPERATIONS

Sectors have been working on identifying targets for the next budget cycle. All SVPs and staff counterparts attended the COFI/SMC meeting held January 24 and 25.

The SMC held a workshop on January 25 and 26. The main purpose of the workshop was to identify, evaluate, and prioritize potential cross-sector initiatives that will require collaboration across ASME sectors and units to implement them. Recommendations will be brought forward to the ASME COFI and BOG following this session.

I. SECTOR UPDATES

Standards & Certification – Ken Balkey, Bill Berger

QUARTERLY HIGHLIGHTS

- Staff leadership met with staff of the Dept. of Transportation/Pipeline and Hazardous Materials Safety Administration (DoT/PHMSA) to discuss issues related to implementation of Section 24 of P.L. 112-90, Pipeline Safety, Regulatory Certainty, and Job Creation Act of 2011. Dialogue continues on potential actions to facilitate continued referencing of ASME standards in pipeline regulations. Efforts also continue to seek repeal or relaxation of the terms of Section 24.

- As a follow-up to the report issued by the ASME Presidential Task Force on Response to Japan Nuclear Power Plant Events, a workshop titled Forging a New Nuclear Safety Construct (NNSC) was held in Washington, DC on December 3-5, 2012 to seek agreement to move forward with the new safety construct suggested by the report. The workshop was hosted by the Task Force and was attended by 125 high level nuclear executives from 20 countries. Representatives of government and regulators from 11 countries and 2 international agencies participated as speakers/presenters in the workshop.

- ASME Staff and a key volunteer visited China from December 3 through 8 and were joined by ASME President Goldsmith for the ASME President’s Award Ceremony for Minister Lu Yansun, held at the Chinese Academy of Engineering. Other highlights of the trip: a series of meetings with key partners and stakeholder organizations in Shanghai and Beijing for discussions of current and potential future cooperative efforts supporting standards development and related activities; and the first meeting of the China International Working Group (IWG) of Boiler and Pressure Vessel Standards Committee II on Materials, preceded by a training session for the IWG

Knowledge & Community – Karen Ohland, Michael Ireland

QUARTERLY HIGHLIGHTS
K&C Sector

- The K&C Operating Board (K&COB) is providing support for ASME’s transition to the consolidated banking system, with a focus on transparency, accountability, and ease of compliance. K&C officers and staff met with the Global Communities Operating Board (GCOB) and Technical Committee Operating Board (TCOB) volunteers to begin communications regarding the implications of the vote by the BOG to only file one ASME tax return beginning FY14.

- K&C is undergoing reorganization in order to best meet the needs of members and address the goals ASME has set. The new structure will be flexible and will help make internal connections easier as well as fostering community.

Affinity Communities

- A new organization chart for the Board on Affinity Communities (ACOB) has been reviewed and approved internally. The new organization includes a role centered on social networking with an initiative to help all groups move forward with ASME.org Phase 2. They are working on outlining goals and objectives for Board members and Affinity Groups.

- All Affinity Leaders and many of the Board members attended ASME.org Phase 2 training during the International Mechanical Engineers Congress during the conference in Houston, and they are looking forward to the launch.

- All Affinity Groups have put in a name as an LTC representative, and nine out of 10 representatives will be coming from outside the United States.

- The Merit-Based Funding form has been reviewed and updated, including the addition of an "Advancing ASME Strategic Initiatives" section. After approval from the ACOB, it was posted for the Affinity Groups to use in the coming year.

- The Board’s Training Representative generated a prioritization list of Affinity Communities Training needs. Online training, focused on tooling and operations, will be created this year to act as a complement to other training initiatives coordinated by the K&C sector.

- Affinity Groups were very active at IMECE. The Entrepreneurs, Graduate Students, ECLIPSE Interns, and Early Career Connect Affinity Groups participated in and co-organized an Early Career Social Meet-up at the event, which featured inspirational mini-talks on advocacy, humanitarianism, business etiquette, networking, and entrepreneurship. Additionally, the Women in Engineering Affinity Group, in conjunction with the Diversity and Inclusion Strategy Committee, organized a reception celebrating women in the field.

Technical Communities
Several successful technical conferences took place this quarter, including:

- Conference on Smart Materials, Adaptive Structures, and Intelligent Systems (SMASIS) September 19–21—376 attendees
- Internal Combustion Engine Division (ICED) Fall Technical Conference September 23–26—198 attendees
- International Joint Tribology Conference (IJTC) October 7–10—264 attendees
- Rail Transport Division (RTD) Fall Technical Conference October 16–17—92 attendees
- Dynamic Systems and Control Conference/Motion & Vibration Conference (DSCC/MOVIC) October 17–19—462 attendees

The technical communities were in full force at IMECE, with 15 technical tracks available to attendees that included over 600 technical sessions. This programming helped IMECE achieve its highest attendance yet, with over 3,900 people in attendance. Planning is already underway for IMECE 2013; the leadership transition for the Congress Steering Committee (CSC) and IMECE 2013 occurred in November.

The Congress of Divisions was held in Houston on November 9–11, 2012.

5 Dedicated Service Awards (DSAs) were recommended from TCOB.

Fred Proctor was approved as the incoming Technical Group Leader for the Systems & Design Group, and his nomination was forwarded to the K&C Board for their approval.

There is considerable concern among the Technical Groups and Divisions about the suspension of the Journal Revenue Sharing with sponsoring Divisions, which was implemented in 2009 and 2010. The TCOB vice president is monitoring the related developments closely.

Progress continues on the issues related to the Impact Factors for all ASME journals.

The Energy Committee (EnComm) continues to develop Energy Talking Points (ETPs) and during this transitional time they are busy discussing policy issues and initiatives with Congress and other federal agencies in Washington, D.C.

TCOB approved the following:
- Manufacturing Engineering Division (MED) By-Laws and Operation Guide
- Fluids Engineering Division (FED) By-Laws
- Systems & Design Group (SDG) Operation Guide

**Global Communities**

The members of the Global Communities Operating Board (GCOB) were the volunteer organizers of the Student Leadership Seminars this fall, supporting the new Student and Early Career Sector.
148 sections participated in the Merit-Based Funding Program. Of those sections:

- 8 scored a perfect 100 points—the Metropolitan and Delaware sections from District A, the Ontario section from District B, the Arizona section from District E, the Atlanta, Greenville, and North Alabama sections from District F, and the Hong Kong section from District G.
- 57 received a top-tier score from the District Leader
- 28 received a second-tier score from the District Leader
- 37 received a third-tier score from the District Leader

Professor Nael Barakat, Ph.D., P. Eng., has been selected by the Sections in District B as District Leader.

District C has revitalized the Central Kansas and Central Illinois Sections, with both sections sending in all the Merit Funding-required paperwork for Fall 2012, and the Fox Valley Section has received approval for a Mechanical Engineering Landmark for Batavia Windmills.

District D has successfully revitalized three Professional Sections—Orange County, Montana, and British Columbia.

District E held a very successful Student Leadership Seminar in Coatzacoalcos, Mexico in October, in support of the new Student and Early Career Sector. The event had 232 participants from 18 schools and hosted a local Human Powered Vehicle contest in which 10 schools participated.

District F hosted their annual Early Career Technical Conference, which is open to graduate students, early career faculty, and engineers who graduated from school less than 10 years ago. 2012’s conference took place at Georgia Tech in Atlanta.

District G’s Australia Section is cementing their relationship with Engineers Australia by holding joint monthly meetings.

District G’s Pakistan Section held their Aero Mania Contest in October 2012.

District H is focusing on student support, and the past District Leader has accepted a position on the new Student and Early Career Council.

District I identified their next District Leader, Jaime Sotomayer, at their District Operating Board meeting in Lima, Peru. President Marc Goldsmith, Julio Guerrero, Mike Michaud, and Marian Heller were in attendance. Marc and Mike kicked off the meeting with introductions.

- The above-mentioned ASME representatives also attended three conferences while in Peru: the Peru Section Congreso, where Marc spoke to the attendees; the CONEIMERA conference, at which all four spoke in addition to Jaime; and the Student Professional Development Conference, at which Marc spoke and Jaime presented a mini-professional development seminar.
• The Middle East and Africa District J has been very active with both Student and Professional Section formation and appears to have started or revitalized Sections in UAE, Saudi Arabia, Lebanon, and Nigeria.

Programs & Activities

• The Programs & Activities Operating Board (PAOB) met at IMECE. Major topics discussed included:
  o How best to utilize the ASME.org Phase 2 tools for user engagement;
  o Member value propositions and how they fit the new member engagement model;
  o And future restructuring of K&C.

• The Training Committee is supporting the 2013 Leadership Training Conference (LTC) planning and session development. Session drafts were completed and are in peer review.

• P&A is supporting an ad hoc K&C training committee to examine options for delivery of future LTC-type training that will reach more international members and reduce travel costs.

• Lynden Davis developed criteria for Year 2 of the Global Communities Outstanding Program Awards in the categories of facilities tours, social events, professional development, and technical presentations, plus created a draft program for similar awards for the Affinity Communities. The latter has been passed to the Affinity Communities Vice

Financial Operations

• The Financial Operations Board has already started looking into hotel specs for next year’s LTC and has discussed the feasibility of international and regional LTCs to maintain reasonable travel costs and enable more members to attend.

• The ASME budget process has adapted to support a more target-driven approach. ASME groups will take a five-year outlook, and then begin development of a three-year balanced budget.

• At IMECE the Financial Operations Board compiled the first draft of FAQs associated with the implications of the vote by the BOG to only file one ASME tax return beginning FY14 and the change to consolidated banking.

UPCOMING ACTIVITIES/WHAT’S ON THE HORIZON?

K&C Sector

• ASME.org Phase 2 will be up-coming in the remainder of FY2013 and will give K&COB an opportunity to communicate within the Board and to members at large more effectively. Board members are encouraged to be on the front lines of participation
Affinity Communities

- Because of the new system’s importance to the maintenance and growth of Affinity Groups, a member of ACOB will be designated to head up the project on ASME.org’s Phase 2. The intention is to have full participation from all groups when it is launched.

- With the help of ASME staff, ACOB has created a basic handbook for new Affinity Group Leaders that can serve as a springboard into basic leadership training. The Board is looking into future training to aid Affinity Group Leaders.

- ACOB is in discussion with groups focused on pre-college programs to redevelop the Pre-College Affinity Group, which had some leadership issues in the past but still has a strong interest base among ASME members.

- There are two potential Affinity Groups on the horizon: one focused on mentoring, which has a petition under review by the board; and one focused on the US Department of Energy competition EcoCAR 2: Plugging in to the Future, which will be supported by the new Students and Early Career Sector.

Technical Communities

- The permanent structure of the Interdisciplinary Engineering Center (IEC) is being worked on in order to house matured interdisciplinary entities like the Nanoengineering Council (NEC).

- There are several events currently in the works:
  - The Congress of Divisions will be held February 28–March 3. It will run in parallel to LTC for the first time, and there will be a special Division Training Boot Camp.
  - A workshop on Regulatory Engineering will be held in March 2013 in advance of the next Regulatory Engineering Conference.
  - ASME 2013 2nd Global Congress On Nanoengineering For Medicine & Biology (NEMB 2013)
  - 2013 Joint Rail Conference
  - ASME 2013 International Manufacturing Science and Engineering Conference (MSEC2013) collocated with the 41st North American Manufacturing Research Conference (NAMRC41)
  - ASME 2013 11th International Conference on Nanochannels, Microchannels, and Minichannels (ICNMM 2013)
  - ASME 2013 Summer Bioengineering Conference (SBC 2013)
Global Communities

- District A is in the planning stages of adding a third Student Leadership Seminar in fall 2013 to better support the Student Sections and thereby the new Student and Early Career Sector.

- District B is planning a combined Student and Professional Section Leadership Conference in Toronto this spring, the first time in recent history that this annual conference will be held in Canada.

- District J has developed interest in four new Sections, but local leadership is a problem. The GCOB is looking to hold a training seminar specific to the region for these local leaders.

- GCOB is working with the new Student and Early Career Sector leadership to ensure an orderly and transparent transfer of student leadership training activity at both the fall and spring conferences.

- District Leaders are supporting the new financial reporting system by providing on-the-ground personal contact and training sessions with the local Section leaders.

Programs & Activities

- The Training Committee will continue to work within K&C to restructure the Leadership Training Conference (LTC) offerings and delivery methods to meet K&C unit leader training needs.

- PAOB will continue to examine ways to utilize web development efforts to increase customer engagement with K&C products and services. K&C leader unit functional training will likely be one of the first efforts.

Financial Operations

- FOB is updating their operating guide, which will be sent out to the K&COB via e-mail.

- FOB will be able to begin scouting future locations for LTC after communicating with COFI.

Institutes – Bobby Grimes, Michael Ireland

QUARTERLY HIGHLIGHTS

- Significant decisions made at the IGTI Board meeting on December 7, 2012 included:
  - Approved an additional non-voting Member-at-Large board position.
  - Approved the formation of the Organic Rankin Cycle Technical Committee with plans for an Organic Rankin Cycle Power Systems Conference to be held in October 2013.
  - Recommended renaming the IGTI Early Career Award to the Dilip Ballal Early Career Award. Will also hold a panel session named in Dilip’s honor at Turbo Expo in San Antonio.
The first ASME-IGTI India Gas Turbine Conference was held in Mumbai on December 1 with 152 total registrants representing 15 countries. The board approved holding a second conference in December of 2013.

A successful gas turbine training week was held in Berkley California in November with a total of 38 registrants.

An IGTI Student Advisory Committee has been formed to assist the board in addressing student issues as well as improving the experience for students at Turbo Expo and other IGTI events. The group’s activities are being coordinated with the ASME Director of Student and Early Career Development.

IPTI – Petroleum Division participated in the Arctic Technology Conference (an OTC event) in Houston on December 4-6, 2013, with attendance of more than 1,500 from around the world.

The Petroleum Division held its annual industry awards dinner on November 9 in conjunction with IMECE in Houston.

The IPTI – OOAE Division announced a record number of abstracts (1,400+) have been submitted for OMAE 2013 to be held in Nantes, France.

The IPTI – Pipeline Systems Division hosted a Pipeline Training week in Berkeley, CA at which 65 engineers participated.

**Upcoming Activities/What’s on the Horizon?**

- Turbo Expo will be held June 3-7, 2013 in San Antonio. Anticipate 1045 final papers which will make it the largest North American Turbo Expo. In addition 8 workshops will be held in conjunction with the conference.

- Also at Turbo Expo we will hold a special tutorial session for students on “How to review a Technical Paper.”

- Working with the Foundation, the IGTI board anticipates the formation of an endowment fund in honor of Dilip Ballal.

- A gas turbine training week will be held in March at Georgia Tech.

- IGTI and ASME publishing have worked out an arrangement for the production and sale of the entire catalogue of Turbo Expo proceedings through 2012.

- The Pipeline Systems Division will be hosting the ASME India Oil & Gas Pipeline Conference in Jaipur, India, February 1-2, 2013.
• The Petroleum Division will host its annual Gas Lift Workshop in Stavanger, Norway, February 4-8, 2013.

Public Affairs & Outreach – Bill Wepfer, Shekhar Chandrashekhar

QUARTERLY HIGHLIGHTS & UPCOMING ACTIVITIES/WHAT’S ON THE HORIZON?

Board on Government Relations

ASME’s 2013-2014 Public Policy Agenda (PPA) was approved by the Board of Governors during their September Board meeting and will be sent to the Administration, all members of the new 113th Congress, ASME Society Leaders, and other Science, Engineering and Technology organizations in early 2013.

• ASME’s 2013-2014 Public Policy Agenda Issue Priorities are:
  1. Energy
  2. Manufacturing/Innovation and Competitiveness
  3. Science, Technology, Engineering and Math Education/Workforce Development
  4. Research and Development
  5. Environment
  6. Standards

• The annual Engineering Public Policy Symposium will be convened on Tuesday, April 23, 2013 on Capitol Hill in Washington, DC to highlight key issues before the Administration and Congress related to the impact the Sequestration and the Budget Control Act of 2011 may have on future federal funding of research and development. The event will bring together over 100 leaders - Presidents, President-Elects and Executive Directors - from 35 national engineering societies, representing more than two million engineers. ASME serves as the Chair and lead organizer of the Symposium, which is made possible by a grant provided by the United Engineering Foundation. The Symposium will be held in conjunction with the National Academy of Engineering Convocation and the American Association of Engineering Societies (AAES) Awards Banquet

• With ASME staff support through the ASME-SWE contractual relationship, SWE will organize the 3rd annual “Diversity and Inclusion Fuels Innovation in STEM” Capitol Hill Day on March 20-21, 2013, an event to increase awareness on Capitol Hill of the need for and the importance of diversity and inclusion in the STEM workforce. Last year, over 90 Society leaders from 29 engineering and diversity organizations cosponsored and attended the event, including ASME. Staff is in the process of working with SWE volunteers and staff to develop the program, and is reaching out to other STEM and diversity organizations to co-sponsor.

• ASME is currently sponsoring the following Federal Government Fellows in the Executive and Legislative Branch:
  Noël Bakhtian, Ph.D. Senator Jeanne Shaheen (D-NH) STEM EDUCATION & NASA SEP. 2012-AUG. 2013
Energy Public Policy Impact Index

FY13 Target: 5% increase over FY12 Baseline of 5,546
FY13 Second Quarter: (Target: 3,069; Actuals: 3,350):
  o ASME Position Statements (0)
  o Coalition Position Statements (0)
  o Congressional Briefings (0)
  o ASME Federal Fellows (7)
  o Congressional Testimony (0)
  o Energy Events (0)
  o Interactions with Members of Congress (62)
  o Action Alerts (0)
  o Articles (Capitol Update, ME Mag; ASMENews): (65)
  o Bills/Regulations Impacted (9)

Industry Advisory Board

The IAB held their fall/winter meeting on December 5-6 with an agenda focused on the Administration’s Advance Manufacturing Program (AMP). Following a Keynote Address at the Decatur House by Dr. Leo Christodoulou, Director, Enterprise Structures Technology, Boeing, the Board met the following day at The Hay-Adams Hotel for panel presentations focused on the following: 1) an overview of AMP by representatives from the National Science Foundation, DARPA, and the Advanced Manufacturing Office; 2) identifying opportunities and challenges presented by AMP with speakers from General Electric, Ford Motor Company, and the American Association of Community Colleges. A subsequent recommendation session focused on ASME’s role in helping to support the 16 recommendations outlined in the July 2012 PCAST report, Capturing Domestic Competitive Advantage in Advanced Manufacturing.

The spring 2013 Board meeting will be held March 14-15 in conjunction with the ASME Engineering Education Leadership Summit in San Diego, CA. This Summit provides an opportunity for the IAB to continue its ongoing dialogue with leaders from ASME’s Board on Education and the ME department head community on issues and challenges related to the technical workforce pipeline, diversity in the engineering field, and STEM education overall.

The Board held the following webinars: November 27 – review of the strategies outlined in the July 2012 PCAST report, Capturing Domestic Competitive Advantage in Advance Manufacturing, by report contributors Dr. Theresa Kotenchek, Vice President, Sustainable Technologies and Innovation Sourcing, Dow Chemical, and Dr. Martin Schmidt, Associate Provost and Professor of Electrical Engineering and Computer Science, MIT.

January 22 – briefing by Dr. Bill Wepfer, Senior Vice President, PAO Council, on ASME Public Affairs & Outreach (PAO) Sector & ASME Foundation: A Shared Vision to Advance the Future of Engineering.
**Innovation Committee**

The Innovation Committee currently has three projects in the concept exploration phase of the innovation process:

- **ASME Engineering Ambassadors Network.**

- **Work has been initiated on the feasibility study to scale the Penn State University Engineering Ambassadors (EA) Program to a national and possible international program.**

- **State Fellows Initiative**
  - A workshop to further explore the concept for developing a new “State Fellows Program” has been scheduled for Monday, January 14, 2013 in Washington, DC. Attendees will include members from the Public Affairs and Outreach Council.

- **K-12 STEM Education**
  - Project management help is being provided on a concept exploration research project to determine whether ASME should build a new site for micro-grants that support K-12 engineering classroom activities. The project is in its early stage with a draft outline of the report due in April and the final report due in June.

**ISHOW**

- Team solicitation efforts are underway for the 2013 ASME IShow, scheduled for June 22 in conjunction with the ASME Annual Meeting in Indianapolis, Indiana. New to this year’s program will be the introduction of ABIS SmartTags to promote the overall IShow program and the ten semi-finalist teams throughout the spring and summer.

**Strategic Issues Committee**

- The Strategic Issues Committee will conduct a scan entitled, “Engineering in a Resource-Scarce World.” The focus of this scan will be energy, water and agriculture, the three basic resources that require new technologies to assure a sustainable future for humankind. This scan will identify current activities in this arena and define the critical challenges and issues that the engineering community can address for the future. Towards those objectives, the Strategic Issues Committee will organize and host a series of workshops that will use subject matter experts across industries to present and discuss their experiences and topics such as lessons learned, best practices, and R&D needs. The workshops will be held during the March-May timeframe with a final report expected in June.

**Diversity & Inclusion Strategy Committee**

- **Committee Activity**
  - Providing diversity training for the nominating committee in March.
Working with Market Research and K&C to collect data on women and underrepresented minorities within the sections and districts.

- Helping to support a survey conducted by the Education staff on women and their path into engineering.
- Participating in SWE’s Day on the Hill
- Reviewing STEM education and diversity position statements
- Looking into an Affinity Group Diversity Forum
- Looking into the possibility of an ASME Congressional/Executive Fellow to focus on Diversity and Inclusion/Engineering Life Cycle

Outreach Education

- ASME Program Criteria changes were submitted to ABET for review and adoption were approved for first reading by the ABET Board of Directors in October and are on-track for final adoption in October 2013. The changes add flexibility to ME Degree programs and also more clearly call for the examination of whether the numbers of faculty in the program are sufficient to achieve program objectives. With the past years of significant ME enrollment and class size increases, faculty supply is becoming a long term issue.

- President Marc Goldsmith served as one of the opening speakers at the December 9-12, CMES Mechanical Engineering Education Summit in Beijing. The four (4) main plenaries of the conference featured presentations by; Patsy Brackin (ASME/ABET Commissioner, Rose-Hulman Institute; Allan Kirkpatrick (Co-chair Vision 2030 Project) Colorado State; Imtiaz Haque, Founding Chair, Department of Automotive Engineering, Clemson University, and Thomas Perry, ASME Director, Education. The event, attended by 248 ME department Heads, Deans and faculty was co-sponsored by ASME and IMechE (UK).

- The four(4) principal target areas for Pre-College Education were advanced during Q2:
  - Innovation funding ($50K) obtained for the Engineering Ambassadors Network project. Field assessments have begun with 18 universities who are targeted in the initial stage of program standard setting and network formation.
  - 150 teachers/counselors participated in Inspire Innovation sessions conducted at the conference of the National Association of College Admissions Counselors (NACAC) in Denver, CO.
  - Innovation Funding ($50K) obtained and work has begun on exploring development of an ASME platform (or employing an existing platform) for micro grants to teachers who need classroom supplies to do hands-on engineering projects.
  - $50K in ELT support via Workforce Strategic Execution team (WSET) was obtained and the project begun to develop multi-platform Engineering Apps for Middle School Students & Teachers (E-APPS). Development of this set of games, built around age-appropriate learning goals, will be part an effort to lead, convene, collaborate and establish standards for high quality materials in the arena of “learning through play” in Pre-College Engineering. Potential partners include Institute of Play and Iridescent group, developers & producer of
learning-focused pre-college applications funded by Carnegie foundation and the Office of Naval Research. A proposed additional $173 K (FY13) in ASME Foundation funding has been designated a high priority and is in the vetting process.

- February 7-8, 2013 – Invited participation of an ASME Education delegation to an IMechE (UK) issues/strategy workshop on Education & Skills for Manufacturing. The delegation will consist of Mo Hosni, ASME Vice President, Education, Karen Thole, Chair, ASME Mechanical Engineering Department Heads Executive Committee, Scott Danielson, Chair, ASME Vision 2030 ME Education project, and Thomas Perry, ASME Director, Education.

- March 13-16, 2013 - ASME International Mechanical Engineering Education Leadership Summit, San Diego, CA. In addition to the Department heads and deans who are the core audience of the Summit, the ASME Industrial Advisory Board will also participate again this year.

- Inspire Innovation Teacher workshops are being planned for April 13 at NASA Ames (in conjunction with ASME/HPVC West) and in Atlanta June 22 (as part of ASEE K-12 day). In addition, events in conjunction with Engineering Ambassadors trainings at University of Illinois Champaign-Urbana and at University of Connecticut are under discussion.

- April 25 26, 2013 – the annual ASME Booth and other activities at finals of the FIRST Robotics Competition, Saint Louis, MO

**Engineering for Global Development/E4C**

- Following the successful E4C ASEP workshop (Sept. 10-11) in NY, the ASEP Steering Committee and staff team designed a plan for the development of a market driven decision aid tool supporting the development of fit-for-service products worldwide. The ASEP team completed and delivered a comprehensive report to all the participants synthesizing the outcomes and the suggested path forward for technology evaluation.

- E4C completed a well-received 2012 Webinar series of 15 unique webinars with a variety of thought leaders and partners, spanning all of E4C’s thematic areas. In Q2, 4 webinars were held, including our first webinar conducted in Spanish.

- E4C partnered with SWE to host an E4Cconnect event at the SWE Annual Conference. This event featured 3 members of the EGD committee discussing their respective work in global development and highlighted E4C’s role in advancing that work. The event attracted over 50 attendees. Iana Aranda also presented at the SWE Lighting Sessions.

- An initial meeting was held with UNESCO to begin scoping a pilot NGO Fellows program. Follow-up meetings are scheduled with the hopes of launching the pilot by the end of this fiscal year.

- The 2010 Research in Materials and Manufacturing for Extreme Affordability (RIMMEA) report was presented to the ASME Technical Publications Committee to encourage greater publishing platforms for researchers in global development. As a result of the presentation, a forum is being developed at the ASME 2013 IDETC conference on ‘engineering for global development.’ An article on the report is also being published in the February issue of ME Magazine.
• The 2012 IEEE Global Humanitarian Technology Conference (GHTC) took place in October 21-24; Seattle, Washington. GHTC is an emerging conference for publication, visibility, and discussion of technical humanitarian engineering projects. The ASME EGD committee participated in the program development and conducted a well-received panel session on engineering publications in humanitarian engineering. The conference had over 200 attendees.

• EGD committee member, Dr. Anand Narayan, Co-Founder, Selco Labs was featured in an ASME.org video discussing opportunities for engineers in the rewarding field of humanitarian engineering ([http://www.asme.org/kb/news---articles/media/2013/01/video-humanitarian-engineering-in-developing-world](http://www.asme.org/kb/news---articles/media/2013/01/video-humanitarian-engineering-in-developing-world))

• A new partnership MOU has been signed with Engineers Without Borders-USA to reframe the partnership around key mutual objectives. The MOU also includes a $25,000 cash contribution to EWB-USA.

• E4C continues to nurture our relationship and engagement with the sponsoring Societies. An in-person convening with all the Sponsors is planned to take place on January 15, 2013 in NY to discuss lessons learned and future engagement opportunities.

• E4C is partnering with Makeshift to host an E4C Connect event in New York City on March 20, 2013. This event will feature 3 speakers from NY’s community of Global Development practitioners discussing their respective work and will highlight E4C’s role in advancing that work. The expected attendance is ~100 invited individuals representing E4C’s key target segments.

• The EGD Committee is exploring the possibility of conducting a workshop in conjunction with the March IAB Meeting to discuss industry’s role and interest in global development and social innovation. This will help refine EGD’s market opportunities in social innovation.

Public Information

• Media Relations:
  o 12/27/13 – Article on ASME’s sustainability survey in PE magazine and [Sustainability Performance](#)
  o 12/21/13 – Article on ASME’s new nuclear Safety Construct in [Forum on Energy](#)
  o 12/17/12 – ASME 2013 2nd Global Congress on Nano-engineering for Medicine and Biology announced in [Medical News](#)
  o 12/18/13 – ASME and Tom Loughlin cited in [US News & World Report](#) on the topic of ME jobs
  o 12/7/12 – NRC chief to champion independent oversight at Japan nuclear meetings in [Environment & Energy](#)
  o 12/2012 – Marc Goldsmith presents President’s Award in China, [Mechanical and Electrical Industry magazine](#), [China Industry News](#), [China Energy News](#), CACL.org, CMCF Media and CES Media.
  o 12/06/12 – Articles on ASME DC Workshop on Nuclear Safety Construct in [Greenwire](#) and [White House Chronicle (12/5)](#).
  o 11/29/12 – Bronx students team up with ASME to develop energy-efficient solar panels on [NY1.com](#)
- 11/20/12 – Thomas Friedman talks about engineering on *Newswise*  
- 11/01/12 – Article on ASME/Autodesk survey on Sustainability in Engineering in *Virginia Engineer*.

### Speeches
- 12/11/12: Marc Goldsmith speaks at Intl ME Education Summit in China  
- 11/9/12-11/15/12: Prepared 17 speeches, talking points and scripts for the PET for Congress 2012  
- 11/14/12: Marc Goldsmith speaks at CMES Additive Manufacturing Workshop  
- 11/11/12: Marc Goldsmith delivers opening keynote for Chinese ME Society education conference  
- 11/9/12: Madiha Kotb speaks at SWE breakfast and student leadership session

### Videos
- State of the Society video posted on ASME.org  
- 2012 Keynote (Tom Friedman) posted on ASME.org  
- Coordinated upload of 2012 Honors Assembly biographies on ASME.org  
- Oral History videos with ASME past-presidents  
- Interviews and b-roll of 2012 Student Design Competition

### History and Heritage
- Nov. 2012 – History & Heritage Committee meeting held at Congress  
- PI coordinated H&H Historian Award Reception at Congress, attended by 50  
- Apollo Space Suite approved as a landmark; ceremony tentative for Sept 2013 in Frederica, Del.  
- H&H Committee Vice Chair Tom Fehring selected to participate in Intersociety Global History workshop sponsored by UEF  
- H&H Committee evaluates nominees for the H&H Historian Award, to be presented at Congress in Nov. 2013.  
- Initiated discussions held for a Historical Manufacturing Roundtable to take place at Congress in Nov. 2013  
- Initiated coordination of History and Heritage Initiative, consisting of a series of articles for ASME.org and Mechanical Engineering Magazine

### Special Projects
- Produced 2012 Congress Keynote event (Nov)  
- 2012 Honors Assembly (Nov)  
- Communication planning for move to 2 Park  
- Editing for 2012 Global Impact Report  
- Review and edits to EMEA Update newsletter  
- Continued updated to ASME social media network  
- Updates on the BOG Communications Toolkit

### Upcoming Activities
- TBA: Marc Goldsmith blog  
- TBA Featured engineer campaign for ASME.org  
- 1/10/13: Preparing for the next issue of ASME News  
- 1/24/13: President’s letter for ASME News on energy  
- 1/2013: Preparing the next issue of Inside ASME
1/2013: Communications activities for move to 2 Park
1/28/13: Prepare comments for Vickie Rockwell’s visit to ASME Student Section in Mexico
2/11/13: Prepare comments for Marc Goldsmith’s visit to ASME Student Section in Kuwait
2/17-23/13: Various Engineers Week activities including News Faces, Future Cities and Family Day
2/22-14/13: Promote HPVC Latin America/Caracas
2/28-3/3/13: Prepare comments for Marc Goldsmith and Tom Loughlin for LTC
2/2013: Coordinate content with S&C leadership

Student & Early Career – Cynthia Stong, Shekhar Chandrashekhar

QUARTERLY HIGHLIGHTS

• Organizational activities
  o The SECD council, Board on Career Development, Board on Student Programs and Board on Leadership & Recognition were fully formed and started their regular work with kick-offs in October and face-to-face meetings in Houston in November. All the units are working towards the SECD and individual boards strategic plans.
  o Individual committees had continued their regular meeting schedule working towards planning and execution of the respective programs.

• Programmatic / Operational activities

Student Programs

  o The Student Design Competition finals were held at IMECE in Houston in November, 2012. This year 20 teams from around the world had participated in the event, which was covered in ASME and local news media and in the university publications.
  o The Old Guard Oral finals were also held in Houston; the competition was followed by the reception and an award ceremony. This year there were 14 participants in the event from around the world.

Career Development

  o Following the framework for content development adapted by the Web-content team, it conducted and recorded 3 interviews on biofuels, energy storage, safety and risk analysis in engineering; 2 discussions on thermal energy storage and lean manufacturing. The recordings will be produced and posted on ASME.org as part of web-content video series.
  o Early Career Social Meet-up event was held at IMECE in Houston attracting a record 252 number of attendees. This year a set of 4 mini-talks was introduced to the audience which proved to be an overwhelming success. The mini-talks were also recorded and will be produced and posted on ASME.org as part of web-content video series. The Meet-up event had also included Engineering Career EXPO by the universities and the industry.
  o ECED publishing team of staff and volunteers produced ME Today newsletter November issue following publication schedule. The articles in this issue ranged from the information
on the power production issues to the engineering licensure requirements to a profile of
prominent engineer Elon Musk and his contribution to space exploration and clean energy
economy.

Leadership & Development

- Fall Student Leadership Seminars were help by various Districts from September through
  the first week of November. More than 500 students attended the events this year. The
  seminars covered topics on tips for leading a successful student section, introduction to
  fundraising and financial reporting, overview of the Merit Based Funding process, overview
  of ASME programs and offerings as well as the latest organizational developments and
  communication channels.
- Student District Leaders conference was also held at IMECE in Houston attracting 40
  Student District Operating Leaders from around the world.
- 49 Diversity Grant Applications were received. The application review and grant funding
  announcement will be done in Q3 FY13.

Upcoming Activities/What’s on the Horizon?

- Organizational activities
  - The SECD council is planning to have a retreat in April to finalize its strategic plan and get
    ready to execute the plan

- Programmatic / Operational activities
  - Planning for 3 HPVC events: HPVC LA in February, HPVC West and HPVC East in April.
  - Preparation is underway for 2013 SPDCs

II. VOLT Academy – Progress Report Submitted by Justin Young / Dave Soukup

Quarterly Highlights

- Delivered Nominating Committee Briefing which included a discussion on ASME sectors and
  the ASME strategic plan on October 31, 2012.
- Officer-Elect Orientation was held November 9, 2012, at the Congress. The overall rating
  average using a 4.0 scale was 3.2.
- K&C Leadership Workshops were held November 10, 2012, at the Congress. Sessions
  included Leading Leaders, Reaching Agreement, and Strategic Planning. This is a pilot to
  respond to the SMC’s request for Sector-level leadership training. The overall rating for Leading
  Leaders was 3.9, Reaching Agreement was 3.9 and Strategic Planning was 3.3 on a 4.0 scale.
• An ECLIPSE Interns Breakfast was held November 11, 2012, at the Congress.

• A VOLT Leadership Workshop was held on November 13, 2012, at the Congress. Following up on survey input from senior ASME leaders, Dr. Sheila Margolis presented a workshop on Using Core Culture to Drive Organizational Change. The overall rating on a 4.0 scale was 3.6.

• A first draft of the Emerging Leaders Program plan was presented at the Congress to the SMC.

• A record 36 applications were received for the 2013-2014ECLIPSE Intern Program. The ECLIPSE Selection Committee will make recommendations to sponsoring units on January 18. Those units are asked to make their intern selections by January 25. The Center for Research and Technology Development and the ASME Foundation are hosting interns for the first time. It is anticipated that 10 interns will be selected by sponsoring units for 2013-14.

UPCOMING ACTIVITIES/WHAT’S ON THE HORIZON?

• Planning continues for the Leadership Training Conference (LTC) to be held February 28-March 3 in St. Louis, MO. At the direction of SMC, the scope of this event has been reduced from previous years to focus solely on the K&C Sector. In addition, LTC 2013 represents the last year VOLT will organize and deliver the LTC. The 2014 LTC planning and delivery will be handled by K&C Sector Volunteers and Staff. VOLT will consult and provide trainers as requested.

• The first VOLT Online Training Module is on track to be ready for use by the end of FY13. The topic is Communication Skills – The Art of Breaking Down Barriers. This module will be the first of a growing library of VOLT online training content.

• The VOLT E-Learning Committee is also working on a pilot program with K&C Global Communities to develop ASME Section-specific online training including Recruiting Future Leaders and Succession Planning, and Conducting a Webinar.

• The VOLT Senior Leadership Committee will review requirements for the positions of President and Board of Governors for the Nominating Committee on February 5.

III. EVENTS COMMITTEE (EC) – PROGRESS REPORT SUBMITTED BY JIM COAKER/RANDY REAGAN

QUARTERLY HIGHLIGHTS

• Through December 31, 2013, EC has reviewed / approved approximately 45 events and declined 4. One event proposal was withdrawn, and one event cancelled post approval.
  o Several “cautionary” notes have been entered in EPAT and sent to planning committees re: expectations for future events and compliance with P12.1 (existing MOUs have a finite life !)
As EC activity enters its second year of operation, importance of previous event performance history / financial data becomes progressively more apparent. Staff is involved in a concerted effort to research and record recent event financial data as a basis for proposal evaluation.

Several events have been internally audited and an audit plan for FY 13 has been implemented (under domain of the Audit Committee). Reviews are being held with organizing groups. While this is exclusively an Audit Committee function, close liaison is critical. EC will include awareness of recommendations in review evaluation of future proposals.

Lessons learned and mid-course calibrations

- “Logo only” proposals under domain of P14.6 are being evaluated by EC. Objective is to confirm technical division involvement in program planning, call for papers and peer review. If questionable situations arise, staff will assist on a request basis.
- EC has encountered several “unique” situations, including proposals for rotating events (p.e. event hosted by ASME one year, and by another organization in an alternate year), which result in different modus operandi.
- Additional examples of “unique” situations include …
  1. Unsustainable co-sponsor relationship with 2 other organizations for Waste Energy Management Conference. Division is in process of pursuing alternative conference opportunities for future years. In response to division request for current conference approval to maintain continuity, EC granted based on change of direction. (Details noted in EPAT)
- EC held a face to face meeting in Nashville, TN, Dec. 6, 2012. Benefit of 3D exchange was again demonstrated – future planning includes 2 meetings per year. Nicole Dyess, EC representative from Student and Early Career Sector, attended.

**UPCOMING ACTIVITIES/WHAT’S ON THE HORIZON?**

- Randy Reagan and his team are drafting an update to the EC Operating Guide for both staff and volunteer use. Our intent is to address guidance for proposal preparation / evaluation, particularly in “unique” areas not specifically addressed by policy text. Work in progress.
- EC balance appears to be working effectively. Liaison from Events Task Force and chair of CPC continue to be valuable resources.
- Terms for 2 of 5 voting members cycle in June, 2013. Appropriate Sector SVPs have been advised.
- Staff support continues to be top shelf.
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: January 28, 2013
BOG Meeting Date: February 14, 2013

To: Board of Governors
From: Roy Arbeit
Title: Qualified Content Contributor Update

Agenda Item Executive Summary:

The report updates the BOG on the Qualified Content Contributor and is for information only. There is no action required.

Proposed motion for BOG Action: (if appropriate)

No Action

Attachments:
One
Memorandum to: Board of Governors  
From: Roy Arbeit, Managing Director Marketing & Sales  
Date: January 29, 2013  
Subject: Qualified Content Contributor Update

One of the three Enterprise Incentive Objectives for this year is tied to the development of and growth in a metric to measure Qualified Content Contributors (QCC). You will recall that the ELT’s thoughts were presented to you in September on how to define the categories of individuals to be included as QCCs for purposes of measuring this objective. Based on feedback from the Board, the definition of QCCs was modified so as to count each contributor one time, without regard for individuals completing multiple types of activities.

It was also agreed that we would be starting with a specific set of categories with others to be considered for inclusion in future years. The categories included are:

- Journal Authors
- Conference Authors
- Code Committee Participants
- Conference Organizers
- Journal Editors and Associate Editors
- Journal Peer Reviewers

The Lower Threshold for this objective is to establish a baseline based on FY’12 actuals by December 31, 2012. Based on the information above, an FY’12 baseline number of 39,759 total unique Qualified Content Contributors has been established across all categories and so the Lower Threshold requirements have been met. A revised graph showing the baseline established as well the FY’13 YTD results (34,503) through the second quarter has been attached below.
Qualified Content Contributors (QCC)

- **# Contributors**
- **Establish Baseline - Lower Threshold (39,759)**
- **3% increase over baseline - Target (40,952)**
- **5% increase over baseline - Upper Threshold (41,747)**
Date Submitted: January 28, 2013  
BOG Meeting Date: February 14, 2013  

To: Board of Governors  
From: Roy Arbeit  
Title: Membership Model Pilot Update

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Agenda Item Executive Summary:

The report updates the BOG on the Membership Model Pilot and is for information only. There is no action required.

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Proposed motion for BOG Action: *(if appropriate)*

No Action

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Attachments:

One
Memorandum to: Board of Governors  
From: Roy Arbeit, Managing Director Marketing & Sales  
Date: January 29, 2013  
Subject: Membership Model Pilot Update

This is intended as a brief update to the report submitted to you in November (and attached here for your reference). A more in-depth report will be submitted for the April Board Meeting.

As a reminder, the key objectives for the pilot are as follows:

- Measure level of accelerated growth in number of individuals “connecting” with ASME
- Quantify revenue risk due to cannibalization
- Determine market perception of new member model
- Determine required investment in marketing & operations to maintain growth
- Determine ability to deliver operationally on expanded volumes

Overall Project Plan Status
Overall, the project remains on track for launch at the end of FY’13. Alternative plans are being developed where necessary to help manage specific contingencies such as the delay in the launch of ASME.org Phase 2 as noted below.

New Product/Service Definition and Development – On Track
The product/service definition phase of this work stream effort has been completed. As an outgrowth of this work, a prioritization of all product and service development efforts has been completed so that key elements of the offerings will be ready at launch (SmartBrief e-Newsletter, Digital ME Magazine) with other, longer term product/service development efforts continuing and then introduced during the pilot (Enhanced Job Board/Career Center).

Web Integration -- User Experience, Business and Technical Requirements – On Track
The work effort to identify the business requirements for each of the test model product and service offerings has been completed. A technical assessment regarding the actual work and cost associated with completing the technical requirements has also been completed and the final set of technical requirements will be completed shortly. In terms of user experience, a “high-level” view has been completed but there is a need to do more detailed work, taking us beyond our original task completion date (no impact on project). The build/integration effort is expected to proceed according to plan.
Based on an updated development schedule, the web integration effort can be completed in time for our pilot launch. However, because of the delay in the completion of the Phase 2 development work on the web site, a contingency plan is being developed that will allow us to launch the marketing communications portion of the pilot on time followed by the web capabilities rollout.

**Marketing Strategy – On Track**
As was pointed out in the November report, most ASME marketing activities have historically been focused within the US and no strategic marketing campaigns to our knowledge have been previously developed and executed in countries like India and Peru. Therefore, market intelligence type activities have been completed to gain a better understanding of the local landscape, potential marketing partners, effective channels and activities, etc. An effort was launched (through an RFP process) to identify in-country resources with whom to partner to develop a strategic marketing plan and locally relevant marketing and promotional activities. The responses to our RFP were reviewed, a series of interviews conducted with organizations in both countries, and our selection process will be completed shortly.

Please see the attached chart for an overview of the project plan.
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<th>Membership Model Pilot Test Development &amp; Launch</th>
<th>FY’13 Q1 (July-Sep)</th>
<th>FY’13 Q2 (Oct-Dec)</th>
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- **Evaluation of the results 9 months from launch followed by expansion of the new membership model to broader set of markets**
Addendum – November Membership Model Update

Memorandum to: Board of Governors  
From: Roy Arbeit, Managing Director Marketing & Sales  
Date: October 23, 2012  
Subject: Membership Model Update

Background

An outgrowth of discussions and funding by the Board of Governors, ASME’s New Membership Model represents a true ground-breaking, forward-looking opportunity. To grow, flourish and remain relevant, it is imperative, as Tom Loughlin has pointed out, to redefine an outmoded association membership model with an approach that is market-driven and seeks to drive breakthrough growth as defined by the number of individuals that engage/connect with ASME.

Initially, a worldwide two-phased primary research study was conducted. Among the key findings that informed the model construct were:

- In general, engineers do not see the value of membership with professional associations like ours ... especially younger engineers.
- Engineers, like all professionals these days, are more time-constrained than ever and are looking for convenient ways to obtain knowledge and share information.
- More and more, engineers are looking for on-demand information sources and using the Internet as an easy and convenient way to access information and share it with colleagues.
- When it comes to “engaging” with organizations like ours, engineers are seeking different options that meet their particular needs. Additionally, they are highly price sensitive with an expectation that some features would be free of cost.

Based on the research findings, a proposal to develop and pilot test a multiple-tier “engagement” model, with key elements delivered through our expanding online web presence, was presented at the June Board meeting along with a recommendation to the Board from COFI to fund this effort. The model is now being developed in anticipation of market testing later in FY ‘13.

Purpose of Pilot Test

The purpose of this pilot is to test implementation of the new membership model construct in India and Peru – two international markets well suited for strong growth, where cannibalization of existing members presents low risk and where ASME has some in-country infrastructure / relationships.

The chart below dimensionalizes our opportunity in each country, depicting our current professional and student membership numbers in each country along with estimates of the total number of MEs and ME students in each country.*
*One important caveat - at the July Board retreat, we described our efforts to obtain an estimate of the global addressable market for ME’s, our findings that there is a lack of consistent and verifiable information from various parts of the world and in addition, that many who are counted are not actually employed as MEs. However, while the specific numbers attributed to each country cannot be relied on, the relative opportunity in each market versus our current penetration is certainly substantial.

Assuming a successful test based on a careful evaluation of the results (likely at the 9-month mark), we anticipate the next phase to be an expansion of the new membership model to a broader set of markets ... with the ultimate goal being a worldwide roll-out.

**Key Objectives**

- Achieve “accelerated growth” for new membership model offering backed by substantial marketing and promotion
- Quantify the new model’s impact on ASME’s membership base and revenue in the initial and longer terms
- Assess interest in package offerings relative to one another
- Gain an understanding of which marketing and promotion strategies and tactics prove most successful and the associated investment to deliver them
• Gather intelligence on implementation approach in global markets e.g. optimal mix and configuration of local resources such as partners, marketing agencies, business/fulfillment service bureaus
• Determine ASME’s operational ability to deliver and service new model benefits and address the needs of an increasing volume of members

Project Update – Three Concurrent Work Efforts

Overall Project Plan Status: Overall, project is on track. We have met or anticipate meeting key milestone dates within our three major work streams.

We are aggressively pursuing three work streams concurrently (as outlined on the project plan chart which follows). Delivery of the new member model is not only dependent on the launch of Phase 2 features/functionality (particularly the ability to sign-up as a Participant and complete a Profile) scheduled for the end of January but many of the new services will require additional integration work with ASME.org. The need for .org staff support for the Member Engagement Model project while their time is almost completely committed to completing the Phase 2 work effort is but one of the complexities associated with our work efforts as described below.

1) New Product/Service Definition and Development

Work Stream Status: On track. New product/service definition almost complete per timeline; new partnerships and content acquisition well underway.

In order to achieve exponential growth, our plan envisions a set of product or service offerings – new and enhanced -- that will be delivered based on which package/pricing option is selected. These offerings, while included in our research, now need to be defined more specifically, developed and integrated with ASME.org. For example:

• **Content Archive** – This is envisioned as an online archive of articles, news stories, case studies, profiles, videos, and other content. In addition to utilizing our own archival content, the working group is researching alternative sources of content from outside of ASME that could be licensed and made available to model participants.

• **Job Board/ Career Center** – An analysis of our current job board / career center has pointed out the need for a significantly greater volume of job postings, including on the international front, and much more robust career content that is relevant for engineers. To this end, the working group is exploring various options/relationships with third parties that supply job postings and career content … and is developing a career content strategy.

• **Digital ME Magazine and SmartBrief e-Newsletter** – While these products were more clearly defined at an early stage, determining the mechanisms for making them easily available to specific groups of participants has taken time. In addition, there has been a work effort necessary to determine to what extent back issues of ME Magazine would be made available digitally.
2) **Web Integration -- User Experience, Business and Technical Requirements**

*Work Stream Status: On track. Definition of user experience complete per timeline. Requirements identification now moving to specific business / functional requirements.*

A concurrent effort has begun to map out the user experience in very specific detail for each of these new products and services in the testing environment – India and Peru. We’ve begun to describe how users will access each product – how it will tie into their overall ASME.org experience and their personal dashboard on the site (since virtually all of these products and services will be delivered through the site using many of the new features that are being introduced with the launch of Phase 2 at the end of January). These user experience and business requirements will then lead us to technical requirements, working with the .org technical team and IT organization. The .org team has been brought in as important members of the working group and is trying to balance the need to assist in this effort while simultaneously working to complete all of the necessary work leading up to the launch of Phase 2.

3) **Marketing Strategy**

*Work Stream Status: On track. Market Intelligence completed early. Strategic Marketing Plan Development initiated with kick-off of RFP process to identify in-country resource(s) with whom we would collaborate on developing/executing a locally relevant marketing plan.*

Historically, most ASME marketing activities have been focused within the US and certainly no strategic marketing campaigns have been previously developed and executed in countries like India and Peru. Thus, at the onset, our focus was on market intelligence type activities to gain a better understanding of the local landscape, potential marketing partners, effective channels and activities, etc. We are moving to identify via an RFP process in-country resources with whom we will partner to develop comprehensive and locally relevant marketing and promotional activities.

**Pilot Test Duration**
- Start date: May-June, 2013
- Initial evaluation: February-March, 2014 (9 months from launch)

**Performance Measurement**
The pilot program will be measured and evaluated based on a number of factors including:

- Growth rate of individuals registering with, and joining, ASME versus historical growth rates in test markets. For the initial nine-months of the test, we will evaluate the potential for double/triple digit percentage growth over the longer term in the total number of “connected/engaged” individuals.
- Qualitative feedback about our package/price/benefits options gathered from our new model members and existing members who communicate with ASME regarding the new offerings; marketing and fulfillment partners in the test markets; community/corporate/event partners in the test markets, as available
- Net revenue impact from trade-downs and new revenue from other packages
• Costs and resources required to launch and support the pilot test relative to its eventual degree of success in each market.
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: January 30, 2013
BOG Meeting Date: February 14, 2013

To: Board of Governors
From: (Sector/Unit/Task Force/Other)
Presented by: Thomas Louglin
Agenda Title: Pathway 2025

Agenda Item Executive Summary: (Do not exceed the space provided)

An update on Pathway 2025.

Proposed motion for BOG Action: (if appropriate)

None

Attachments:

Yes
ASME Pathway 2025

Update Report to the BOG
(Revised 1.30.13)

Thomas G. Loughlin

Status - Pathway 2025

• “Plan for the Plan” Submitted to TF 12/12
• A New Framework for Growth:
  – Recognizes Mission
  – Recognizes operational issues and transition
  – Fosters a new, scalable approach
  – Board established a financial target of $500M
  – Creates a growth trajectory for an energized and complex organization for the 21st century
Pathway 2025: Plan for the Plan:

- Build foundation to meet growth objective:
  - Identifies barriers to growth and begins to address them
  - Team approach: establish cohorts of highly qualified individuals with clear mandate and leads
  - Recognize that several BIG enterprise level projects are underway that are foundational to future growth & scale
  - Build on existing efforts & organizational adjustments (SET, .org, banking, etc)
  - Establish performance metrics that capture both impact and revenue objectives (using emerging standards such as Impact Reporting Investment Standard - IRIS and Global Impact Investment Network - GIIN)
  - Requires organization to build capacity & competency
  - Work effort will accelerate over time (including additional teams) with new capability established
  - Will create growth trajectory

Enterprise Project Summary

Projects & Estimated Delivery

Consol. Banking:
- ERTD
- IT, F&A, Legal, etc

Managed Budget:
- COFI, SMC, Sectors
- F&A etc

Asme.org:
- .org, IT, F&A, etc

Program Issues:
- BRI & Open Access
- New Program Model

Content Model (ENERGY):
- .org, IT, F&A, Legal, etc
- ERTD

Membership:
- SecO, ERTD
- Mktg, IT, F&A, etc

QCC:
- Sectors
- Mktg, IT, F&A, etc

Launch New Intl Strategy (Latin America):
- Various Units & Sectors

3 to 2 Project:
- Facilities
- IT, F&A
- Legal, et al

FYQ2 FYQ3 FYQ4 FYQ1

FY13 FY14
Pathway 2025: Plan for the Plan:

Plan for Plan Deliverables:
– BOG TF
  • 2/28/13: Verify Plan (based on telecon TBD)
– Teams:
  • 3/1/13: Charge, Team Leaders & composition identified
  • 4/1/13: DRAFT business plan outlines complete
    – Including Work/delivery schedule
    – Including estimates on cost and return
    – Comports with Pathway Template (C. Wise)
– Pathway 2025
  • 4/13/13: Roll-up Team Deliverables into Consolidated Effort and share with BOG

Pathway 2025: Plan for the Plan:

• Assemble/Coordinate Kick-off “Pathway” Teams:
  – Team Areas:
    • Program Model
    • Energy Product/Programs
    • Operational Capability
  – Build business & project plans that include:
    • Schedules & Deliverables
    • Investment & net returns including timing (results to be rolled up into wedge diagram)
    • Two year delivery blocks
  – Project Management:
    • Submit written report for each BOG meeting with coordinated reports out 2x per year.
    • Teams to be comprised of knowledgeable and qualified individuals (QCC, etc) and led by qualified staff.
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: January 14, 2013
BOG Meeting Date: February 14, 2013

To: Board of Governors
From: (Sector/Unit/Task Force/Other)
Presented by: COR
Agenda Title: Proposed Appointments

Agenda Item Executive Summary: (Do not exceed the space provided)

Proposed appointments reviewed by the COR on November 19, 2012.

Proposed motion for BOG Action: (if appropriate)

Approve the proposed appointments.

Attachments:

Appointment listing.
### FEBRUARY 2013
PROPOSED APPOINTMENTS TO
ASME UNIT

<table>
<thead>
<tr>
<th>Internal Unit</th>
<th>Nominee</th>
<th>Appointment Position/Title</th>
<th>Appointment Term/Category</th>
<th>Initial Appointment</th>
<th>History</th>
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<tbody>
<tr>
<td>Committee on Organization and Rules</td>
<td>Kathryn Ingle</td>
<td>Member</td>
<td>2/2013 – 6/2016</td>
<td>Initial Appointment</td>
<td>N/A</td>
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<tr>
<td>Pension Plan Trustees</td>
<td>Richard Goldstein</td>
<td>Member</td>
<td>7/1/2013 - 6/30/16</td>
<td>Reappointment</td>
<td>Current COFI member, Heat Transfer Tech Committee, ICHMT Chair</td>
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</table>
Date Submitted: January 8, 2013
BOG Meeting Date: February 14, 2013

To: Board of Governors
From: (Sector/Unit/Task Force/Other)
Presented by: K&C
Agenda Title: By-Law Revision B7.1

Agenda Item Executive Summary: (Do not exceed the space provided)

K&C requests changes to B7.1 updating the responsibility for publications and papers as approved by the Committee on Organization and Rules on October 23, 2012. The first reading was on November 10, 2012.

Proposed motion for BOG Action: (if appropriate)

Revise B7.1 as attached

Attachments: Word document
B7.1 PUBLICATIONS AND PAPERS

B7.1.1 The Technical Committee on Publications and Communications Directorate is responsible for publications of the Society, except that the Standards and Certification Sector shall be in charge of codes and standards.

B7.1.2 The publications of the Society shall consist of:

a. The Society’s journals, also known as The TRANSACTIONS OF THE ASME;

b. MECHANICAL ENGINEERING; and

c. Such other publications as may be authorized by the sector within the limitations of the budget.

B7.1.3 The Society shall not be responsible for statements or opinions advanced in papers or in discussion at meetings of the Society or of its technical divisions or sections, or printed in its publications.

B7.1.4 No substantial part of the activities of the organization shall be carrying on propaganda, or otherwise attempting to influence legislation (except as otherwise provided by Internal Revenue Code (IRC) 501(h)), and does not participate in, or intervene in (including the publication or distribution of statements), any political campaign on behalf of any candidates for public office.

B7.1.5 The Society reserves the right to copyright any of its papers, discussions, reports, or publications.
Date Submitted: January 9, 2013

BOG Meeting Date: February 14, 2013

To: Board of Governors

From: William Wepfer, Senior Vice President
      Public Affairs and Outreach Council

Agenda Title: Appointment Vice President, Government Relations

Agenda Item Executive Summary: (Do not exceed the space provided)

The Public Affairs and Outreach Council would like to recommend Kalan Guiley as the nominee for Vice President of the Board on Government Relations with a term to start in June 2013 and end in June 2016 to replace Donna Michalek, who passed away in April 2012.

Proposed motion for BOG Action: (if appropriate)

To approve Kalan Guiley as Vice President of the Board on Government Relations.

Attachments:

Letter from William Wepfer, Senior Vice President, Public Affairs & Outreach.
In May 2012, after the sad news of Donna Michalek’s passing, ASME President Victoria Rockwell and Stacey Swisher Harnetty, Senior Vice President, Public Affairs & Outreach agreed on the following recommended path forward for identifying the new Vice President for the Government Relations:

- Susan Ipri Brown, the current VP, Government Relations would serve one additional year through June 2013.

- The Board on Government Relations would identify 1-2 qualified candidates to serve as the Vice President, Government Relations for a three year term beginning in June 2013. The Public Affairs and Outreach Council would then run a selection process at the 2012 IMECE. The candidate would become VP at the June 2013 Annual Meeting.

This process was also supported by Nominating Committee Chair Vickie Blocker,

The selection process has been completed and in November 2012, the Public Affairs and Outreach Council voted to approve the nomination of Kalan Guiley as Vice President of the Board on Government Relations during our November Board Meeting.

We recommend the Board approve Kalan Guiley as Vice President of the Board on Government Relations with a term to start in June 2013 and end in June 2016.
ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: January 24, 2013
BOG Meeting Date: February 14, 2013

To: Board of Governors
From: Public Affairs & Outreach
Presented by: William Wepfer
Agenda Title: Ratification – Society of Women Engineers as Associate Member Society of ABET

Agenda Item Executive Summary: (Do not exceed the space provided)

On October 27, 2012, the ABET Board of Directors approved the Admission Committee’s recommendation (Enclosure 1) to admit the Society of Women Engineers (SWE) as an Associate Member Society of ABET.

Article Four, Admissions, Section F, of the ABET Constitution states that “Applications for membership as Associate Member Societies must be approved by majority vote of the Board and subsequent ratification by the governing bodies of at least two-thirds of the combined total of the Member and Associate Members Societies.”

The ASME representatives on the ABET Board of Directors supported the Board action as does the ASME Board on Education and Public Affairs and Outreach Council.

Proposed motion for BOG Action: (if appropriate)

Move that the ASME Board of Governors ratify the action taken by the ABET Board of Directors to admit the Society of Women Engineers (SWE) as an Associate Member Society of ABET.

Attachments:

Ratification request memo from Michael Milligan, Executive Director, ABET is attached.
MEMORANDUM

TO: Executive Directors, ABET Member Societies

FROM: Michael K.J. Milligan, Ph.D., P.E.
ABET Executive Director

DATE: November 2012

SUBJECT: RATIFICATION OF THE SOCIETY OF WOMEN ENGINEERS (SWE) FOR MEMBERSHIP

On October 27, 2012, the ABET Board of Directors approved the Admission Committee’s recommendation (Enclosure 1) to admit the Society of Women Engineers (SWE) as an Associate Member Society of ABET.

Article Four, Admissions, Section F, of the ABET Constitution states that “Applications for membership as Associate Member Societies must be approved by majority vote of the Board and subsequent ratification by the governing bodies of at least two-thirds of the combined total of the Member and Associate Members Societies.”

A ratification ballot is included with this memorandum. Please return the completed ballot to Vincent A. Fields, Sr. as soon as practical. Completed ballots can be emailed to vfields@abet.org or faxed to 410.625.2238

Enclosures (2)
DATE: October 27, 2012

TO: ABET Board of Directors

FROM: Ad hoc Admissions Committee
Robert A. Herrick P.E., CIH, Chair (AIHA)
Wayne R. Bergstrom, Ph.D., P.E. (ASCE)
C. William Bevins, FAIA (Public Member)
Mary Juhas (WEPAN)
Monte L. Phillips, Ph.D., P.E. (NCEES)

SUBJ: Recommendations for the October 2012 ABET Board Meeting

BACKGROUND:
The ad hoc Admissions Committee was charged with making recommendations concerning applications from four societies to become ABET Member Societies. Three of these applications are for Full Membership and one is for Associate Membership. Article IV of the ABET Constitution defines the required characteristics for these categories of membership. These include, in part,

IV. C. Applicants for admission as a Member Society must demonstrate that they have responsibility for a discipline within applied science, computing, engineering, technology or other such disciplines as may be appropriate, at the post-secondary level.

IV. E. Autonomous societies with headquarters in the United States having interest in education for applied science, computing, engineering, technology or other such disciplines as may be appropriate and whose goals can effectively support those of ABET may qualify as Associate Member Societies of ABET.

FINDING:
Regarding the application of the Society of Women Engineers (SWE) for admission as an Associate Member Society the Committee concludes that this will be appropriate and mutually beneficial for both SWE and ABET, including the reinforcement of the position of women in the professions we serve as already recognized by the recent admission of WEPAN as an Associate Member society.

MOTION:
That the ABET Board of Directors:

Approve the application of the Society of Women Engineers (SWE) for admission as an Associate Member of ABET and direct that ratification be sought from the governing bodies of the current Members of ABET, consistent with Article 4, Section F of the ABET Constitution.
Date Submitted: January 23, 2013
BOG Meeting Date: February 14, 2013

To: Board of Governors
From: (Sector/Unit/Task Force/Other)
Presented by: William Garofalo
Agenda Title: Board Resolution for Line of Credit

Agenda Item Executive Summary: (Do not exceed the space provided)

The attached is a resolution to renew ASME's Line of Credit for another year. Also, the document designates Thomas Loughlin, June Ling and William Garofalo as authorized officers.

Proposed motion for BOG Action: (if appropriate)

To approve the Resolution.

Attachments:

Resolution for Board Approval
SECRETARY’S CERTIFICATE

OF

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

February 14, 2013

The undersigned, Warren R. DeVries, being the Secretary of The American Society of Mechanical Engineers, a New York not-for-profit corporation (the “Corporation”), does hereby certify, on behalf of the Corporation and without personal liability, in connection with that certain Advised Line of Credit Note, made by the Corporation in favor of JPMorgan Chase Bank, N.A. on the date hereof (the “Note”), and transactions related thereto (the “Transactions”), that the Corporation’s board of directors (the “Board”) duly adopted the following resolutions at a telephonic meeting of the Board held on February 14, 2013, which resolutions approve and authorize the Corporation’s execution, delivery and performance of the Note, the agreements related thereto and the Transactions and adopt in full the form of Resolutions of Non-Profit Corporation, attached hereto as Exhibit A. The following resolutions (a) have not been rescinded, amended, modified or revoked, are in full force and effect as of the date hereof and are the only resolutions relating to the matters covered thereby and (b) do not conflict with any of the Corporation’s organizational documents attached hereto or any existing resolutions of the Corporation:

Approval of Advised Line of Credit

WHEREAS, the Board of Directors (the “Board”) of The American Society of Mechanical Engineers, a New York not-for-profit corporation (the “Corporation”), deems it to be in the best interests of the Corporation to enter into (i) that certain Advised Line of Credit Note in favor of JPMorgan Chase Bank, N.A. (the “Line of Credit”) and (ii) certain other transaction documents contemplated thereby including, without limitation, a Note Modification Agreement (collectively, together with any other documents entered into or delivered in connection with the Line of Credit, the “Other Transaction Documents”).

NOW THEREFORE BE IT RESOLVED, that the Board hereby approves the Line of Credit and the Other Transaction Documents; and be it further

RESOLVED, that the form of Resolutions of Non-Profit Corporation is adopted in full and the authorized officers of the Corporation (the “Authorized Officers”) are hereby authorized and directed to execute any certifications contemplated thereby; and be it further

RESOLVED, that the Authorized Officers are hereby authorized to (i) execute and deliver the Line of Credit and each of the Other Transaction Documents in the name of and on behalf of the Corporation, with such changes thereto as such Authorized Officers shall approve, such approval to be
conclusively established by the execution and delivery thereof and (ii) perform all of the Corporation's obligations under the Line of Credit and the Other Transaction Documents.

Miscellaneous

RESOLVED, that each of the Authorized Officers is authorized, empowered and directed, in the name and on behalf of the Corporation, to execute and deliver such additional agreements, instruments, filings and documents, and to do and perform all such further acts and deeds, and to make all such disbursements, payments and filings as each such Authorized Officer may in his or her sole and absolute discretion deem necessary or appropriate to carry out, comply with and effectuate the purposes and intent of the foregoing resolutions and the transactions contemplated thereby, and that the authority of each such Authorized Officer to execute and deliver any of such documents and instruments and to take such other actions shall be conclusively evidenced by such Authorized Officer’s execution and delivery thereof or his or her taking thereof; and be it further

RESOLVED, that any action authorized by any of the foregoing resolutions which has been taken prior to the date hereof be, and the same hereby is, ratified and confirmed in all respects.

***

IN WITNESS WHEREOF, the undersigned has executed this Secretary’s Certificate of the Corporation on behalf of the Corporation and without personal liability as of the date first written above.

By: ________________
    Name: Warren R. DeVries
    Title: Secretary
Exhibit A

Form of Resolutions of Non-Profit Corporation
Resolution of Non-Profit Corporation

By

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS,

a New York non-profit corporation (the "Corporation").

Dated: January 2, 2013

The Corporation desires to engage in financial transactions from time to time with JPMorgan Chase Bank, N.A. (together with its successors and assigns, the "Bank"); and

The Corporation desires to authorize certain of its representatives to engage in these transactions for the Corporation; and

The Corporation desires to ratify all past transactions and eliminate the necessity of presenting separate individual resolutions to the Bank in the future; and

The Corporation has found that the transactions authorized by this resolution are or will be in the Corporation's interest and to its financial benefit.

Section A. Authorized Persons

EACH REPRESENTATIVE SIGNING BELOW CERTIFIES the accuracy of this document and acknowledges and agrees to the terms set forth in this document.

<table>
<thead>
<tr>
<th>Title, if any</th>
<th>Printed Name</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Director</td>
<td>Thomas Laughlin</td>
<td></td>
</tr>
<tr>
<td>Assistant Treasurer</td>
<td>William Garofalo</td>
<td></td>
</tr>
<tr>
<td>2nd Assistant Treasurer</td>
<td>June Ling</td>
<td></td>
</tr>
</tbody>
</table>

Section B. Resolutions

RESOLVED: That any [if this blank is not completed then those authorized above can act singly on behalf of the Corporation] of the above named representatives, of this Corporation whose actual signatures are shown above are authorized from time to time for the Corporation to enter into any agreements of any nature with the Bank, and those agreements will bind the Corporation. Specifically, but without limitation, each authorized person is authorized, empowered, and directed to do the following for and on behalf of the Corporation:

1. Borrow and incur any indebtedness, negotiate and procure loans, lines of credit, letters of credit, discounts, and any other credit or financial accommodations from the Bank in any form and in any amount and on any terms as may be agreed upon between the Corporation and the Bank.

2. Guarantee or act as a surety for loans or other financial accommodations of any person, entity or third party to the Bank on such guarantee or surety terms as may be agreed upon with the Bank.

3. Subordinate, in all respects, any and all present and future indebtedness, obligations, liabilities, claims, rights, demands, notes and leases, of any kind which may be owed, now or hereafter, from any person or entity to the Corporation to all present and future indebtedness, obligations, liabilities, claims, rights and demands of any kind which may be owed, now or hereafter, from such person or entity to the Bank ("Subordinated Indebtedness"), together with subordination by the Corporation of any and all security interests, liens and mortgages, of any kind, whether now existing or hereafter acquired, securing payment of the Subordinated Indebtedness, all on such terms as may be agreed upon between the Corporation's representatives and the Bank and in such amounts as in his or her judgment should be subordinated.
4. Mortgage, pledge, transfer, endorse, hypothecate, or otherwise encumber and deliver to the Bank any property now or hereafter belonging to the Corporation or in which the Corporation now or hereafter may have an interest (and is not restricted under applicable state law governing non-profit corporations), including without limitation, all real property and all personal property, tangible or intangible, of the Corporation, as security for the payment of any credits, loans, or other financial accommodations so obtained by the Corporation or by any other person or entity, or any promissory notes so executed, including any amendments to or modifications, renewals, and extensions of such promissory notes, or any other or further indebtedness of the Corporation, including the guarantee of indebtedness by the Corporation for any other person or any other entity owed to the Bank at any time, however the same may be evidenced. Such property may be mortgaged, pledged, transferred, endorsed, hypothecated, or encumbered at the time such loans are obtained or such indebtedness is incurred, or at any other time or times, and may be either in addition to or in lieu of any property theretofore mortgaged, pledged, transferred, endorsed, hypothecated or encumbered.

5. Lease personal property as lessee and elect as to tax credit and depreciation deductions.

6. Sell, assign, pledge or transfer all or any present or future stocks or securities registered in the Corporation's name.

7. Enter into any agreement for any rate swap, basis swap, forward rate transaction, commodity swap, commodity option, equity or equity index swap, equity or equity index option, bond option, interest rate option, foreign exchange transaction, cap transaction, floor transaction, collar transaction, forward transaction, currency swap transaction, cross-currency swap transaction, currency option or any other similar transaction, including any option with respect to any of these transactions, or any combination thereof, whether linked to one or more interest rates, foreign currencies, commodity prices, equity prices or other financial measures.

8. Draw, endorse, and discount with the Bank all drafts, trade acceptances, promissory notes, or other evidences of indebtedness payable to or belonging to the Corporation or in which the Corporation may have an interest, and either receive cash for the same or cause such proceeds to be credited to the Corporation's account with the Bank, or cause such other disposition of the proceeds derived therefrom as he or she may deem advisable.

9. Sign and deliver to the Bank, promissory notes or notes, drafts, acceptances, guaranties, subordination agreements, assignments, applications and reimbursement agreements for letters of credit, security agreements, financing statements, mortgages, deeds of trust, pledges, hypothecations, transfers, leases and any other instrument or document deemed necessary or required to carry out the authority contained in this resolution, and any one or more renewals, extensions, modifications, refinancings, consolidations or substitutions of any of the foregoing.

10. In the case of lines of credit and other extensions of credit, to designate additional or alternate individuals as being authorized to request advances and the issuance of letters of credit under such lines, and other extensions of credit, and to direct the disposition of such advances.

11. Negotiate, consent to, and sign any instrument, writing, document or other agreement with the Bank containing a provision or provisions for waiver of the right to a trial before a jury; provisions for resolution of any and all disputes, claims, actions, issues, complaints, suits, or controversies, of any kind or nature, by arbitration or judicial reference; and provisions for cognovit, and confession of judgment and warrant of attorney for any indebtedness, or for any guaranty of indebtedness of the Corporation to the Bank.

12. Do and perform such other acts and things, pay any and all fees and costs, both before and after judgment, and execute and deliver such other documents and agreements as any authorized representative of the Corporation may in his or her discretion deem reasonably necessary or proper to carry into effect the provisions of this resolution.

FURTHER RESOLVED: The Corporation authorizes any one of the persons authorized above or any other person designated by any of those persons to handle the operation of all credit facilities now or hereafter provided to the Corporation by the Bank, which operation may be handled in any manner, whether orally or in writing (including email and other forms of communication) or otherwise. The Corporation also authorizes the Bank to pay the proceeds of any action taken pursuant to these resolutions in the manner directed by any of the persons authorized to act, including (but not in limitation) directing the payment of such proceeds: (i) to any deposit or loan account of the Corporation; (ii) to the order of any of such persons in an individual capacity; or (iii) to the individual credit of any such person or the individual credit of any other person; and further to direct the payment from any of the Corporation's accounts in satisfaction of any of its obligations. The Corporation ratifies, confirms and approves all actions previously taken by any one of the persons authorized to act. The Bank is released from any liability and shall be indemnified against any loss, liability or expense arising from its reliance on this resolution.
FURTHER RESOLVED: The authority given is retroactive, and any acts referred to which were performed prior to the adoption of these resolutions are ratified and affirmed. This resolution shall be continuing, shall remain in full force and effect, and the Bank may rely on it until written notice of its revocation shall have been delivered to and received by the Bank. Any such notice shall not affect any of the Corporation's agreements or commitments in effect at the time notice is given. The Corporation does indemnify and hold harmless the Bank from any loss or damage incurred by the Bank, both before and after judgment, by acting in reliance upon this resolution.

FURTHER RESOLVED: The Corporation will notify the Bank prior to any (i) change in the Corporation’s name; (ii) change in the Corporation’s assumed business name(s); (iii) change in the management of the Corporation; (iv) change in the authorized signers; (v) change in the Corporation’s chief executive office address; (vi) change in the jurisdiction under which the Corporation’s business organization is formed or organized; (vii) conversion of the Corporation to a new or different type of business entity; or (viii) change in any other aspect of the Corporation that directly or indirectly relates to any agreements between the Corporation and the Bank. No change in the Corporation’s name will take effect until after the Bank has been notified.

Section C. Certifications

[A person authorized in Section A may also make the certifications below and sign in this Section.]

I CERTIFY that I am: (i) the duly elected and qualified Secretary, Assistant Secretary, President or other officer or director of the Corporation authorized to provide this certification; and (ii) familiar with the books and records of the Corporation.

I FURTHER CERTIFY that the above is a true and correct copy of resolutions duly adopted at a meeting of the Board of Directors of the Corporation held in accordance with its by-laws, or by a legally effective instrument of action in lieu of a meeting, and that they are in full force and effect. This resolution now stands of record on the books of the Corporation and has not been modified or revoked in any manner whatsoever.

I FURTHER CERTIFY that the individuals whose signatures appear above have been duly elected and are presently the incumbents of the offices (if any) set next to their respective signatures, and that the signatures are the genuine original signatures of each respectively.

I FURTHER CERTIFY that all statements and representations made in this document are true and correct.

(Signature)

(Printed Name)

☐ Secretary    ☐ Assistant Secretary    ☐ President

☐ Other (please specify):

>Title

(Date Signed)

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