

## **REGION XII CRC MOTIONS**

**Last Revised: 10/17/2017**

### **Brasil Chapter – Motion 4l (10/14/2016):**

That GGAC should establish and develop a published committee methodology to identify, contact, and work with the AASA (ASHRAE Associate Society Alliance) representatives and other in-country associations in conjunction with normal operating GGAC committee procedures when making contacts outside the United States government activities, beginning January 2017.

**Status:** This motion was referred to the Grassroots Government Advocacy Committee (GGAC) with copy to the AASA Chair. **(Open)**

### **Argentina Chapter – Motion 4m (10/14/2016):**

That Members Council addresses the membership application process for Student Branch Advisors, beginning July 1, 2017.

**Answer:** This motion was referred to the Membership Promotion and Student Activities Committees for consideration. **(Complete, see MP Committee and SA Committee responses below.)**

**MP Committee Response:** The MP Committee agrees and directed staff to quickly implement this. The Student Activities Staff Liaison will have this completed after the 2017 Winter Conference.

**SA Committee Response:** The SA Committee proposed that a solution to this motion would be to utilize FormSite to create a SBA membership application similar to the process for SmartStart membership. An action item was assigned to staff and this should be complete by July 1, 2017.

### **Argentina Chapter – Motion 4n (10/14/2016):**

That the Student Activities Committee translate the (1) student branch manual for operation, (2) instructions how to become a student branch advisor (SBA), (3) instructions about how to fill out the forms and apply to become an SBA, (4) “what supporting documentation is required to be produced and sent with the application,” into the Spanish and Portuguese languages, and posted on the ASHRAE website, beginning July 1, 2017.

**Answer:** This motion was referred to the Student Activities Committee for consideration. The SA Committee supports this motion and understands the need for the documentation to be translated. It was discussed that this could not be achieved before July 1 but that staff would explore the costs involved and the budget available. **(Complete)**

### **Brasil Chapter – Motion 4o (10/14/2016):**

That the option be offered to members of the Brasil Chapter for the annual membership fees and benefits to be reduced to the same amount charged to members of the Developing Economy Program, i.e. USD \$102, for a period of two years, effective July 1<sup>st</sup> 2017.

**Answer:** This motion was referred to the Finance Committee. The Finance Committee was not in favor of this motion. The motion suggests special treatment be provided to one chapter due to local economic struggles. Although all committee members sympathize with these struggles, we find no better tool than the classification system used by the World Bank to define what is considered a Developing Economy country. **(Complete)**

### **Florida West Coast Chapter – Motion 4p (10/14/2016):**

That an ad hoc committee be created to evaluate dues options to assist in changing world economies and payment options.

**Answer:** This motion was referred to the Finance Committee for consideration. The Finance Committee



was not in favor of this motion. Although all committee members sympathize with such local economic struggles, the motion suggests unique treatment be provided for some or several chapters based on yet undetermined criteria related to the economic status of a country. It further suggests that ASHRAE expend considerable resources to form an ad-hoc committee to study the matter further and to determine this criteria. In addition, it would impact current historical cash flow of ASHRAE revenue and result in other potential unintended consequences with respect to added administrative burdens on ASHRAE staff; likely increasing staff time and cost dealing with such a plan as currently no other member classification in ASHRAE has a payment plan. **(Complete)**

**Argentina Chapter – Motion 5g (10/14/2016):**

That the Student Activities Committee consider establishing rules that allow one mentor per Chapter to have the same member cost and benefits as the student branch advisor, beginning July 1, 2017.

**Answer:** This motion failed. This would be logistically hard to track, who determines who gets the benefits and what are the qualifications. **(Complete)**

**Central Florida Chapter – Motion 6 (10/14/2016):**

That Members Council recommend to the BOD, that the President appoint a “task group” to study the process and procedures of “Nominating Committee” ROB 2.415, its MOP, and related Bylaw sections pertaining to the Society Nominating Committee, and make recommendations to the BOD, for updates and enhancements, beginning January 1, 2017.

**Answer:** This motion was referred to the Society Nominating Committee for consideration. In response to this motion and other feedback received by the Nominating Committee (NC), it was brought to the attention of NC that the NC Manual of Operations and Reference Manual were not available to on the ASHRAE website, this has been corrected. It was felt by a majority of the voting members in attendance that the general membership may have felt the NC process was being kept in secret to somehow hide the process. With the posting of the above listed documents, the concerns expressed in this motion have been satisfied. **(Complete)**

**Chile Chapter – Motion 7g (10/14/2016):**

That the ASHRAE standards and guidelines identified as being required to be used in the Student Design Competition be provided for use, during the course of the competition, in both English and Spanish (if available) language, at no cost to the chapter or student branch, beginning January 2017.

**Answer:** This motion was referred to Publishing and Education Council for consideration. PEC was not in favor of this motion. ASHRAE’s most demanded standards (such as, 90.1, 62.1, 189.1) are available (English language only) in read only format on the ASHRAE website. If Student Activities wishes standards not currently available as read only to be made available for such access, they should advise the Director of Publishing and Education (Steve Comstock). It should be noted a cost is incurred based on the number of views for read only standards. Also, Spanish language translations of many ASHRAE documents are not available and translations into other languages have even less availability. Many ASHRAE Chapters support students in design competitions by purchasing standards for student use. It is recommended this solution be considered. **(Complete)**

**Southwest Florida Chapter – Motion 7h (10/14/2016):**

That the Honors and Awards Committee **consider making make** changes to their rules such that, candidates for the Distinguished Fifty-Year Member Award should be considered and approved during their 49<sup>th</sup> year of membership so they can receive the award at the Annual Meeting of their 50<sup>th</sup> year, beginning July 1, 2017.

**Answer:** The above amended motion was referred to the Honors and Awards Committee for consideration. The Honors and Awards Committee was in favor of this motion and the motion was approved. **(Complete)**

**Central Florida Chapter – Motion 7i (10/14/2016):**

That Members Council form a “task group” to study qualification requirements for the chapter nominating committee component in the “Manual for Chapter Operations,” Section 2.12, and related documents and make recommendations for updates and enhancements that will provide improved chapter guidance, beginning January 1, 2017.

**Answer:** This motion was referred to the Members Council Region Operations Manual Subcommittee for consideration. The motion was approved followed by an approved motion to revise Section 2.12, Nominating Committee and Election Procedure in the MCO **(Complete)**

**Spacecoast Chapter – Motion 7j (10/14/2016):**

That Society allows ASHRAE Chapters to utilize its e-mail engine and domain name to transmit mass e-mails to its Chapter memberships, effective July 1, 2017.

**Answer:** This motion was referred to the Electronic Communications Committee and IT Staff for consideration. ASHRAE Society cannot take responsibility for chapter and region email communications. A whitepaper from ECC regarding basic email best practices is forthcoming for the Long Beach Annual Conference and will be made available via the ASHRAE website. The use of ASHRAE’s domain for sending emails could blur the line between chapter and Society communications in the eye of Internet Service Providers and could cause Society emails to be blocked, blacklisted, or undelivered depending on what is sent by the chapters and to whom. In addition, Society has a special and specifically-negotiated contract for its email service provider, RealMagnet, to send emails and provide marketing automation technologies at an enterprise level for Society. **(Complete)**

**Spacecoast Chapter – Motion 7k (10/14/2016):**

That ASHRAE budget and allocate one Distinguished Lecturer visit per year to each ASHRAE section sponsored by region, beginning January 2017.

**Answer:** This motion was referred to the Chapter Technology Transfer Committee for consideration and later referred to CTTC’s DL Subcommittee. The Committee was not in favor of this motion and felt, as worded, that this motion would diminish RVC discretion to allocate visits among the chapters, sections, and student Branches in his/her Region. However, the Committee understood the intent behind the motion and has developed an ad hoc to review the current DL allocation formula to determine if sections should be included in the formula and/or if any other adjustments are appropriate. **(Complete)**

**Colombia Chapter – Motion 12b (10/14/2016) / Motion 16 (01/31/2017):**

That the PAOE Subcommittee suggest that the next President-Elect consider that PAOE points be awarded for chapters who promote and use the new Electronic Communications technologies, beginning July 1, 2017.

**Answer:** This motion was referred to a new “ECC” subcommittee of the Members Council PAOE Subcommittee for consideration and was approved by Members Council. **(Complete)**

**Argentina Chapter – Motion 12c (10/14/2016) / Motion 17 (01/31/2017):**

That the PAOE Subcommittee suggest that the next President-Elect consider that PAOE points be awarded for chapters whose members register to take one of the ASHRAE certifications, beginning July 1, 2017.

**Answer:** This motion was referred to a new “CTT” subcommittee of the Members Council PAOE Subcommittee for consideration and was approved by Members Council. Chapters can earn points just by taking the exam. **(Complete)**

**Florida West Coast Chapter – Motion 10 (11/5/2015):**

That ASHRAE changes its rules (Bylaws) such that Life Membership status in ASHRAE be extended to

any member in good standing using a formula that calculates a total combined score of 95 or greater, when age and years of membership are added together provided they have reached the age of 65. The member shall retain all of the rights and privileges of the most recent membership grade, starting July 1, 2016.

**Answer:** This motion failed. The fiscal impact if implemented is a potential current loss of revenue of \$226,240 (20 years+)/ \$151,500 (25+ years) to Society, in addition to the \$1,079,084 that we are not receiving from the Life/Presidential members currently. **(Complete)**

**Argentina Chapter – Motion 13j (11/5/2015):**

That ASHRAE society provide the appropriate discount to products and services, including membership applications and renewals, applied to ASHRAE member pricing when in-country government charges “government tax” to purchasing “out of their country” purchases (such as the 35% extra charge, over and above interest, in Argentina), starting 1/1/16.

**Answer:** This motion was referred to the Finance Committee. The Finance Committee was not in favor of the motion to lower costs of membership to accommodate local tax. ASHRAE would have to apply this policy to all members in all countries which would not be feasible. **(Complete)**

**Argentina Chapter – Motion 13k (11/5/2015):**

That the Handbook Committee offer the online version of the “handbook of the year,” as the member benefit annually, starting 1/1/16.

**Answer:** This motion was referred to Publishing and Education Council (PEC) to investigate the options and possibilities of finding other ways to do this. PEC reported this is currently a benefit option for members. **(Complete)**

**Colombia Chapter – Motion 13m (11/5/2015):**

Recommends to Members Council and the Certification Committee that the six ASHRAE certification exams have a candidate selectable “voluntary informative appendix option” that is translated into the Spanish language, and attached to the primary current exam format which is in English, beginning January 2016.

**Answer:** This motion was referred to Publishing and Education Council (PEC) and is currently under consideration by the Certification Committee. Based on the polices below, neither PEC or the Certification Committee were in favor of this motion. **(Complete)**

- The ANSI accreditation standard states: “Policies and Procedures for certification of persons shall be fair among all applicants, candidates and certified persons.” The Committee does not believe it would be able to translate its certification exams into all of the languages of all possible candidates, and questions if it would be fair for some non-native English speaker examinees to have exam translations and others not to have such translations.
- Generally, the Certification Committee strives for consistency among all programs, offering the same certification per key, built-environment job to all applicants. At current application rates it would not be sustainable to have multi-language certifications for the same job, some ANSI-accredited and some not. Such an effort reasonably would require all such ancillary materials – applications, *Candidate Guidebooks*, web-pages, practice exams, reference materials – to be translated, as well.
- After Motion 13m was brought forward, the Certification Committee agreed to provide non-native English speakers with an additional 30 minutes of testing time to ensure they are afforded enough time to demonstrate competency.
- Offering non-native English speakers a translation of all exam questions would mean they would have twice as much to read as native English speakers, which would negate the benefit of the additional 30 minutes of testing time.

**Colombia Chapter – Motion 13n (11/5/2015):**

That Members Council and the Certification Committee extend by an extra 45 minutes the assigned time limit to complete by applicants the six ASHRAE certification exams, for those candidates whose native language is not English, beginning January 2016.

**Answer:** This motion was referred to Publishing and Education Council to determine: how the extra 45 minutes affect those who speak and read English vs. those who do not; and does it affect the outcome of those under pressure to complete the exam.

PEC approved a Certification Committee decision to allow the addition of 30 minutes of testing time to all 6 certification exams, on request by applicants who self-attest that they are a Non-native English speaker, and allow any exam candidate who has failed one or more of the six certification exams to reapply and retest at no charge during a one-year retake window from April 1, 2016 – March 31, 2017, provided they self-attest that they are a Non-native English speaker. **(Complete)**

**Argentina Chapter – Motion 16B (11/5/2015):**

That ASHRAE translate the “SmartStart” membership program into Spanish and Portuguese, starting 1/1/16.

**Answer:** This motion was referred to the Student Activities and YEA Committees for consideration. The Committees were in favor of this motion and advised that the documents should also be posted under the student and general membership pages. **(Complete)**

**Argentina Chapter – Motion 26 (11/6/2015):**

That ASHRAE Certification Committee allow email communication of grade to candidates taking non-computer exams, starting 1/1/16.

**Answer:** This motion was referred to Publishing and Education Council. The Certification Committee determined that pass/fail email notifications are already being sent to all pencil-and-paper and international computer-based exam candidates. While U.S. based exam candidates do receive notification of exam result immediately upon completing their exam, pencil-and-paper and international web-based exam candidates receive their exam result post-examination, in both electronic format and in hard-copy letter format, as their exams must be scored off-site. ASHRAE’s exam development partner uploads the results of a given month’s examinations usually by the 7<sup>th</sup> of the following month. Within approximately one week of receipt, ASHRAE staff communicate with all pass and fail examinees electronically regarding next steps related to their exam result. **(Complete)**

**Argentina Chapter – Motion 27 (11/6/2015):**

That ASHRAE Marketing Department produce and offer chapters a PowerPoint based promotional presentation (~~with embedded video~~), starting 1/1/16.

**Answer:** The amended motion as shown above was approved. **(Complete)**

**Spacecoast Chapter – Motion 29j (11/6/2015):**

That Members Council recommends to the Chapter Technology Transfer Committee (CTTC) grassroots committee be allowed to create a CTTC Co-Chair designation in our rules, for use by ASHRAE Chapters, effective July 1, 2016.

**Answer:** This motion was referred to the Chapter Technology Transfer Committee (CTTC) for consideration and the committee was in favor of the motion. **(Complete)**

**Brasil Chapter – Motion 34c (11/6/2015):**

That Members Council changes its current CRC transportation reimbursement policy such that the chapter can assign substitute chapter BOG officers/chairs from the following seven committee positions prior to CRC each year to have transportation reimbursement for CRC participation: CTTC, GGAC, H&A,



Historian, Refrigeration, Student and YEA, even though they may not be currently listed on the CIQ on file at HQ, beginning July 1, 2016.

**Answer:** This motion failed. A substitute is not reimbursed for attendance to a CRC because the actual chapter chair receives the training in order to do their work for the year. It may be more difficult for someone to go back to the chapter and relay everything learned, discussed and Q&As from the workshops. There were a few instances (2 or 3) where if the reimbursed chapter position was unable to attend the CRC, chapters replaced the initial chair with the substitute. In other words, the substitute became the chair for that Society year because the substitute received the training for that position. Also, staff was notified well in advance of the CRC before the chapter made their request. **(Complete)**

**Southwest Florida Chapter – Motion 34d (11/6/2015):**

That ASHRAE create a Chapter Email Group in the ASHRAE Database, accessible on the secure ASHRAE website, that can be downloaded by the chapter President and secretary, with up to date email addresses of all chapter assigned members, beginning January 1, 2016.

**Answer:** This motion failed. This information is already available in the chapter reports and is covered in the MP centralized training workshop. MP also has step-by-step instructions in PowerPoint on the MP webpage. **(Complete)**

**Central Florida Chapter – Motion 35 (11/6/2015):**

That Society (via their IT department) changes its online webpage software and adds a field or search option to the “Find an ASHRAE Certified Professional” webpage that allows a user to search or filter by Chapter Membership, effective July 1, 2016.

**Answer:** This motion failed however an action item was assigned to the IT Staff to create a report that chapter officers can access that lists all of the members in their chapter that earned certification during the Society Presidential year. Something like this would be a typical report request and might take one of our developers a few hours. The audience for the existing report on the website is broader than chapters, so it makes sense for the chapters to have a separate report that contains (just) the information they need.

This is currently available on the Certification website. Select Certification under the Education & Certification tab then click on the Find an ASHRAE Certified Professional on the left side of the screen. The list includes members and nonmembers. **(Complete)**

**Argentina Chapter – Motion 38 (11/6/2015):**

That Society establish an official YEA CRC committee grassroots presence and workshop by funding transportation for Young Engineers in ASHRAE (YEA) Chapter Committee Chairs to attend Chapters’ Regional Conference (CRC) YEA Workshops, effective July 1, 2016.

**Answer:** This motion failed. Chapter committee chairs should not receive transportation reimbursement unless they are grassroots committees. **(Complete)**

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**Region XII (Spacecoast Chapter) – Motion 6g (10/2/2014):**

That Society change its existing rule and reporting metric of attaining Chapter membership goals from using the difference of Chapter Area-Assigned Members (AAM) between the first and last days of the Society year to being equal to new Society memberships at the Associate and Member levels brought by that Chapter subtracted by cancelled Society memberships at the Associate and Member levels in that Chapter for that respective Society year, beginning on July 1, 2015.

**Answer:** This motion was referred to the Membership Promotion Committee. The Membership Promotion Committee was not in favor of the motion. The Area-Assigned Members (AAM) figure includes all member



grades except Student members. This means that Members who change to Retired or Life membership are included in the AAM figure. As mentioned in the background, transfers (both in and out of a chapter) are counted as gains or losses for chapter. The number of transfers is usually not significant, but it is if a chapter's starting AAM is adjusted accordingly (for example, if a new chapter is established and a large number of members are transferred out of an existing chapter and assigned to the new chapter, then the AAM for that existing chapter would be adjusted so they weren't penalized for those who transferred out). Based on a review of total transfers in all chapters during the 13-14 SY, the net number of transfers were +7, so the majority of chapters were positively impacted by transfers. Another point to consider is that some new members are assigned to a "Default" Chapter when they join, and are then manually transferred into the correct chapter. If we do not count transfers, then these new members would not be counted. **(Complete)**

**Region XII (Colombia Chapter) – Motion 9 (10/2/2014):**

That members of local HVAC societies (for instance ACAIRE in Colombia), that a 15% discount is given to their annual dues to ASHRAE, beginning July1, 2015.

**Answer:** This motion failed. It sends a mixed message when other chapters have had this same request, they were turned down. This issue should be dealt with globally and not on a case-by-case basis. Although the motion failed, Members Council sent this information to the Society Planning Committee as an information item concerning global issues that should be reviewed. **(Complete)**

**Region XII (Colombia Chapter) – Motion 16 (10/2/2014):**

That a special discount of 10% is given for renewal memberships for ASHRAE members who belong to the Board of Governors of each chapter, in order to increase the number of volunteers in each region, beginning July 1, 2015. Pertains to the list of Developing Economies by World Bank only.

**Answer:** This motion failed. It was determined that if ASHRAE provided a 10% discount for all Chapter Board of Governors, it would have to be done for all chapters of ASHRAE and would not be feasible because of the fiscal impact. **(Complete)**

**Region XII (Colombia Chapter) – Motion 28 (10/2/2014):**

That Society to translate ASHRAE's web site into Spanish.

**Answer:** This motion failed. The ASHRAE website has thousands of pages, many of which would make the translation almost impossible to perform as well as maintain to ensure that the pages stay up to date. A solution may be to use a web tool such as Google to translate pages as needed. **(Complete)**

**Region XII (Florida West Coast Chapter) – Motion 29 (10/2/2014):**

That the DL be allowed to negotiate with the CTTC chapter chairman and CTTC RVC to include/add one additional multi-chapter visit in their region during an allocated DL assignment, beginning 1/1/2015.

**Answer:** This motion failed. Chapters already do this, if DL visits are planned ahead, the visit can be easily shared with chapters in the area. **(Complete)**

**Region XII (Florida West Coast Chapter) – Motion 16 (01/27/2015):**

That ASHRAE modify its membership dues invoice to allow section members (of a region) to voluntarily pay local section dues (to their sponsoring region) while paying Society dues, beginning January 1, 2015.

**Answer:** This motion failed. It was determined that staff should investigate ways for section members who are not assigned to a chapter to pay dues. There is no system in place that can address this issue. The current software system would require major payment programming changes and implementation would be cost prohibitive. **(Complete)**

**Southwest Florida Chapter – Motion 1.6 (10/5/2013):**

That when an opening for a position on the Young Engineers in ASHRAE Committee needs to be filled, all chapters in the affected Region be notified. Sufficient information should be provided to the chapters including, a link to the nomination page on the ASHRAE Website, the deadline for the nominations, the term of the position, a description, scope, out of pocket expense and qualifications for the position.

**Answer:** This motion was referred to the staff liaison for the YEA Committee. The YEA Committee reaches out to the DRC of each region who will have a vacant YRC position for the next Society year and asks for nomination recommendations. The YEA Committee asks the DRC to consult with his/her chapter leadership and regional team to gather a pool of candidates for the YRC position.

Nominations can also be made at each region's CRC for the YRC position. These nominations are reviewed by the YEA Committee along with other eligible candidates. The YEA Committee will also reach out to chapter leadership (along with the DRC) when soliciting nominations for the YRC position. This will assure that each chapter is aware of an upcoming YRC vacancy and they will have the opportunity to submit their own nominations. **(Complete)**

**Central Florida Chapter – Motion 1.7 (10/5/2013):**

That Society offer options to collect membership dues via recurring monthly/yearly transaction.

**Answer:** This motion was referred to the ASHRAE Comptroller's Department. To capture dues monthly, we have to keep credit card info in the database and will not be able to keep PCI compliance which are security issues. **(Complete)**

**Colombia Chapter – Motion 7B (10/5/2013):**

That Society publish weather design data information and weather data bins for 50 additional representative cities of varying elevations in Central, South America and Caribbean Area within the next two years starting July 2014 for publication into the Fundamentals weather data tables.

**Answer:** This motion was referred to Technology Council to determine what actions are needed to implement the motion. The following excerpt was taken from the January 2014 minutes of Members Council: "There was concern the chapter had requested this information more than once. The motion was originally referred to Technology Council via TC 4.2 who made a request to the Colombia Chapter to supply them with the weather data sources. Mr. Aguilo explained the chapter does not have this information and that the TC should be able to provide the data to the chapter or advise them where to find it." **See Attachment B1** from Technology Council. **(Complete)**

**Region XII Delegate (on behalf of the Dominican Republic Section) – Motion 11 (10/5/2013):**

That a regional meeting place in the hallway outside the Plenary Session, for 15 minutes following the end of the Plenary session, at the Annual and Winter meetings be announced, placed in the meeting guide, and facilitated by ASHRAE staff along with an official photographer, in order to increase regional member participation and connections, beginning January 2014.

**Answer:** This motion failed. This would be very challenging from a logistical perspective and more expensive than noted in the fiscal impact from the CRC. There is nothing to prevent the regions from getting together at conferences on their own. Staff can provide to those interested, a list of attendees from each region prior to the conference so they are aware of who is attending. **(Complete)**

**Argentina Chapter – Motion 14 (01/21/2014):**

That the annual status report that each student branch must present in May each year, by the student branch advisor, is used to determine the status of each student branch.

**Answer:** This motion failed. The motion was reviewed by Members Council. In essence, the chapter is asking for a change in the criteria ASHRAE considers when determining whether a student branch is active. The CRC motion as written is not specific about what documentation needs to be changed. The



Argentina Chapter was asked to review the MCO to identify exactly where changes should be made and how the materials should be revised. **(Complete)**

**Spacecoast Chapter – Motion 38 (10/5/2013):**

That the Manual for Chapter Operations (MCO) be revised to allow all YEA members (including Affiliate Grade Members) to serve as YEA Chapter Committee Chairs.

**Answer:** This motion failed. In the background of the motion, the chapter indicate that the Affiliate grade is under the age of 35 but is actually 30 years or younger. The Affiliate grade is an introductory membership for individuals 30 years and younger who will automatically transfer into Associate grade after 3 years. The Affiliate grade does not have voting privileges at the Society or Chapter level. Affiliate grade members cannot sign a petition if a chapter or section is formed in their area. If Affiliate grade members hold chapter chair positions, it would apply to all positions in the chapter including the chapter president because it would be opened in the database for all. Currently, the database is programmed to not accept Affiliate and Student grades for chapter positions.

**Update:** During the 2015 Chicago Conference, Members Council approved a motion for the YEA position to serve as committee chair if the member is Affiliate grade. **(Complete)**

**Brasil Chapter – Motion 4.2 (10/19/2012):**

That the certification exams given to non-native English speaking country members (members who speak English as their 2<sup>nd</sup> or 3<sup>rd</sup> language) shall have 45 minutes extra time allowed for the exam because of reasonable burdens encumbered, such as language and translation difficulties, etc., effective immediately.

**Answer:** This motion was referred to the Publishing and Education Council. The following information is the response from the Certification Committee:

The Certification Committee recognizes this concern but is pursuing an alternative solution to the problem because of the statement that there is no fiscal impact is wrong. The current policy of the Certification Committee is to allow candidates from the international community a second opportunity to pass the exam at the ASHRAE cost which is in the \$100-\$125 range (depending on the certification program). The basic problem is language and translation difficulties. Our solution is to have the candidates better prepared to complete the exam. One educational aspect is the recent development of the ASHRAE Wiki which will give test takers a single location to become better familiar with the terminology and definitions of technical terms in the relevant ASHRAE Standards and Guidelines.

While the framework and basic definitions of each term are there, it will take some time to more completely populate each entry. But a candidate with an appropriate list of terms related to the certification exam that they plan to take could have a more thorough understanding of the appropriate technical terms after using the ASHRAE Wiki. Our second thrust toward solving this problem is to encourage local chapters and Associate Societies in non-English speaking countries to schedule related Professional Development Courses prior to their offering the Certification Exams. ALI could contract with chapters and societies for instructors to lecture outside the US, but ALI also offers opportunities for courses to be licensed for translation and local reproduction and use. By having a local instructor teach the technical content in the native language (with, hopefully, some English technical terms blended in) it is hoped that the candidate attending the program would have a better understanding of how all the concepts relate. The Certification Committee is currently working with one nation to demonstrate the effectiveness of this approach, but it will be at least another year before the results are in. eLearning is also available and is completely web accessible.

Next we turn our attention to the fiscal impact of the proposed solution. Psychometrics (without the “r”) is the study of measuring knowledge, abilities and educational measurement. To quote from Wikipedia, “The field is primarily concerned with the construction and validation of measurement instruments...”

Psychometricians will tell you that simply moving a single exam item from the top of the page to the bottom of the page can affect exam results making the validation of measurement instruments more difficult. To allow all international candidates extra time would essentially create a new cohort of exam results that would need to be separately analyzed and tracked by the testing agency employed by ASHRAE. This would have a significant fiscal impact on the operation of the certification program (estimated at \$1,000.00 per test for a one-time cost of \$6,000.00). In addition, that additional cost is an order of magnitude higher than the income generated by the current number of international test takers. The annual average number of applicants outside the USA and Canada is approximately 60 exam registrants for all six exams. The cost to process each of their examinations by AMP would be an additional \$50.00. Psychometricians like to have at least 100 results to feel confident that their data are reliable. At current rates on the international market, it would take over a decade of testing per exam to get to that minimal level of confidence with the proposed solution. That is longer than the life cycle of the exam itself.

It may be worth noting that pass/fail rates outside the USA and Canada are similar where English is the native language (i.e. UK, Australia, New Zealand) as compared to non-English speaking countries (i.e. Argentina, Colombia, Costa Rica). While time and language may be obstacles to some degree, the larger issue in having low pass rates from outside North America appears to be lack of familiarity with references used in North America, largely ASHRAE Standards, upon which the examinations are based. The Certification Committee will continue to monitor pass/fail rates in all countries and encourages the use of ASHRAE training materials to help those members outside the US and Canada gain a better understanding of the body of knowledge that the exams cover. **(Complete)**

**Colombia Chapter – Motion 5.2 (10/19/2012):**

That Society sponsors and organizes an Energy Modeling/Assessment/Audit Conference to be held within Region XII in 2013-14.

**Answer:** This motion was referred to the Conferences and Expositions Committee (CEC). CEC conducted its second Energy Modeling Conference in October 2012, both conferences were held in Atlanta. CEC supports the concept that energy modeling should play more of a mandatory role in the design process. Currently, CEC is reviewing the recently held conference and planning the next one. A large part of the success of the Specialty Conferences to-date has been a location that provides a significant market of potential attendees; this needs to be a consideration in selection of a location for any Specialty Conference. It is reaching out to IBPSA-USA to be an endorser for the next conference proposed for March 2014. The Steering Committee members are currently being sought, and input could be provided by members of Region XII. **(Complete)**

**Colombia Chapter – Motion 8.1 (10/19/2012):**

That the ASHRAE Executive Committee propose and execute a delegation from ASHRAE (Region 12 representative and a Society Officer) to make an official visit to a Cuban University to present a 4-hour technical seminar, to be performed in 2012-13.

**Answer:** This motion was referred to the ASHRAE Executive Committee. The Executive Committee did not approve this motion because of the following comments: ExCom agrees in principle with the value of an official visit to Cuba, but does not feel it is feasible to organize the visit this year and does not want to commit to the specific requirement of a technical seminar. However, efforts to organize a presidential visit in 2013-14 Society year are underway. **(Complete)**

**Colombia Chapter – Motion 8.2 (10/19/2012):**

That Society promote and sponsor partially a Region 12 Student Conference to be held in Cartagena, Colombia during the Ibero-American HVAC&R Congress (CIAR) to be held in July 2013.

**Answer:** This motion was referred to the ASHRAE Executive Committee. The Executive Committee amended Motion 8.2 as follows: [That Society promote and support, by sending the ASHRAE President to



a Region XII student conference to be held in Cartagena, Colombia, during the Ibero-American HVAC&R Congress (CIAR) to be held in July 2013.] In Society year 2013-14, Mr. Bahnfleth will represent ASHRAE at the 2013 CIAR conference. **(Complete)**

**Central Florida – Motion 12 (10/19/2012):**

That purchasers of ASHRAE e-books shall have the ability to print from the documents for their personal use without data omission.

**Answer:** This motion failed. Comments opposing this motion noted that full content is intended to be printable PDF copies. Faulty PDF files and Acrobat version incompatibilities are sometimes responsible for a variety of access problems. If users are having difficulty with printing, they should make ASHRAE staff aware of the specific problem they are experiencing so it can be investigated and resolved. **(Complete)**

**Florida West Coast Chapter – Motion 13 (10/19/2012):**

That ASHRAE offers a limited time discount for standards that are being presented by local chapters.

**Answer:** This motion failed. ASHRAE sales policy allows for chapters to purchase standards on consignment at a discount and there is no limit on the time a discount can be offered. At some point after receiving their shipment, chapters do need to account for publications received, either by returning them or providing payment, but ASHRAE works with chapters that communicate their needs. **(Complete)**

**Florida West Coast Chapter – Motion 14 (10/19/2012):**

That Society change the title of the annual ASHRAE Handbook to ASHRAE GUIDE and DATA BOOK or ASHRAE GUIDE.

**Answer:** This motion failed. The previous “Guide and Data Book” series is still referenced although it was renamed the “ASHRAE Handbook” in 1967. Comments opposing the motion noted that the requested rebranding/relabeling would require substantial effort and cost. The previous “Guide and Data Book” series is still referenced although it was renamed the “ASHRAE Handbook” in 1967. Comments opposing the motion noted that the requested rebranding/relabeling would require substantial effort and cost. **(Complete)**

**Central Florida Chapter – Motion 27 (10/19/2012):**

That the Student Activities Committee shall give priority to students who have registered to participate in the Design Competition when filling spots for the student tour at the winter meeting.

**Answer:** This motion failed. Comments opposing the motion noted several reasons for not changing the existing policy, including 1) lack of compatibility with last minute student registration for conferences; 2) holding spots for the design competition could lead to lower participation in the tours; 3) students participating in the design competition do not always register in time; and 4) the tour site will not always coincide with the design competition building. **(Complete)**

**Brasil Chapter – Motion 22.3 (01/29/2013):**

That the Society create a more easy way for members to upgrade their educational record at the “Manage My Membership” menu by adding first level filter of “Country” before the drop down button “Institution.”

**Answer:** This motion was approved. **(Complete)**

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**Argentina Chapter – Motion 10 (11/5/2011):**

That the ASHRAE Student’s application form be available in Spanish language, on paper and the website, effective July 2012.



**Answer:** This motion was approved. The student membership application has been translated into Spanish and Portuguese and the applications are available in PDF on the website. **(Complete)**

**Argentina Chapter – Motion 11 (11/5/2011):**

That ASHRAE create a new student membership category, called “Students-K-12.” These student members would pay a flat annual dues rate of \$5 and they will receive only electronic ASHRAE news and Insights by electronic e-mail only, effective July 2012.

**Answer:** This motion was referred to the Student Activities Committee for consideration. The committee reported in theory, this is a great idea but at this moment, ASHRAE does not offer a program interesting to a K-12 audience. A child would not find the ASHRAE Journal or Insights’ articles interesting or appropriate. The STEM ad hoc committee could look into a K-12 membership program. **(Complete)**

**Argentina Chapter – Motion 12 (11/5/2011):**

That each chapter is automatically allotted at least 1 Distinguished Lecturers (DL) visit per year, effective July 2012.

**Answer:** This motion failed. \$35,000 was added to the CTT budget which allowed an additional allocation of 33 DL visits for a total of 153 visits. To implement this motion, it would require an additional \$23,400. CTTC encourages multiple chapter visits by the DLs when possible. If the motion was implemented, it would restrict the flexibility of the DRC and RVC because the DL visits are allocated to the region, not the chapter. **(Complete)**

**Central Florida – Motion 25 (11/5/2011):**

That Society provide record of Event Summary Critique Form scores for Distinguished Lecturers on the Distinguished Lecturers spreadsheet for Chapter Programs Chairs to evaluate.

**Answer:** This motion was approved. It will be accommodated by posting the Distinguished Lecturer Visit Evaluation Summary Report on the DL webpage beginning February 2012

([www.ashrae.org/distinguishedlecturers](http://www.ashrae.org/distinguishedlecturers)). The report which is already produced for CTTC members for their own purposes, provides reported ratings by chapters of DLs as well as lecturer ratings of chapters. **(Complete)**

**Brasil Chapter – Motion 32 (11/5/2011):**

That ASHRAE approve and support meetings through the electronic media like “Go-To-Meeting” or SKYPE or any other software for the meetings of the members of the Society. This will develop a process that will allow ASHRAE Members to participate in the Technical Committee TC meetings from their home or office during the Winter and Summer meetings.

**Answer:** This motion failed. It would be cost prohibitive (\$1.4M) to implement electronic communications for all councils and committees during the Society winter and annual conferences. **(Complete)**

**Colombia Chapter – Motion 33 (11/5/2011):**

That Society publish weather design data information for a minimum of 50 additional representative cities of varying elevations in Central and South America within the next two years starting July 2012 for publication into the Fundamentals weather data tables.

**Answer:** This motion was referred to Technology Council. Technology Council was not in support of the motion. TAC and TC 4.2 believe that the subject of this referral has already been addressed in a previous referral from the Colombia Chapter on weather data and they are willing to work with the Colombia Chapter if they come forward with new weather data sources as suggested in a FAQ that the TC developed in response to the earlier referral. No additional effort can be taken without new data sources. TAC and TC 4.2 consider this referral closed until the chapter comes forward with new sources of weather station data for evaluation by TC 4.2. **(Complete)**



**Colombia Chapter – Motion 34 (11/5/2011):**

That Society develop an international conference on tropical climates to occur in Bogota, Colombia.

**Answer:** This motion was referred to the Conferences and Expositions Committee who reviewed the motion and attempted to coordinate this conference with another group (CARR). To date the conference has not been scheduled. **(Complete)**

**Argentina Chapter – Motion 18 (10/24/2010):**

That ASHRAE have its main page, [www.ashrae.org](http://www.ashrae.org) in Spanish as well as it's original in English, and that the original in English would have a Spanish option for the "Renew Membership" link. This way it would be easier for Spanish speakers to join and renew their membership. Effective June 30, 2011.

**Answer:** This motion was referred to Publishing and Education. The Electronic Communications Committee (ECC) completed a video on "How to Join ASHRAE and How to Renew Membership" in Spanish. This will be posted on the ASHRAE website before the end of March 2011. ECC believes that the production/posting of this video will address Motion 18 and therefore considers this motion closed. **(Complete)**

**Argentina Chapter – Motion 19 (10/24/2010):**

That ASHRAE pay transportation costs for the attendance and participation of one member representing each Section at CRCs effective fiscal year 2011-2012.

**Answer:** This motion failed. There is no definition that states what role this person will have at CRC or its cost vs. the value for attending. **(Complete)**

**Gold Coast Chapter – Motion 20 (10/24/2010):**

That monetary transactions that occur between Society and the local chapters be offered to be done electronically.

**Answer:** This motion was approved. **(Complete)**

**Central Florida Chapter – Motion 21 (10/24/2010):**

That ASHRAE continue to collect chapter dues at the time of annual Society membership renewal with limited option for the member to opt out. If the member opts out of paying chapter dues, that member is assigned directly to ASHRAE Society and not as an "area-assigned" chapter member.

**Answer:** This motion failed. The MCO, Section 14, Regional Operations offers the choice to access area assigned members or chapter dues paying members.

**Update:** Members Council approved a motion that regions assess area assigned members only.

**Argentina Chapter – Motion 38 (10/24/2010):**

That ASHRAE should create a new Ibero-American Region that includes all existing and future Ibero-American (Spanish and Portuguese speaking) Chapters and Regions, starting June 2012.

**Answer:** This motion was failed. It does not meet the current criteria for the formation of a region. **(Complete)**

**Argentina Chapter – Motion 39 (10/24/2010):**

That ASHRAE provide preferential membership fee discounts (50%) to new members who are joined during certain events, such as ASHRAE membership nights and webcast transmissions. This would be a great tool to capture new members.



**Answer:** This motion failed. In most cases new members do not retain their membership after the first year when offered at a special discount. Membership Promotion does take into consideration the offering of discounts when merited but should not be mandatory for all events. **(Complete)**

**Argentina Chapter – Motion 40 (10/24/2010):**

That ASHRAE would provide e-learning courses in other languages other than English.

**Answer:** This motion was referred to Publishing and Education Council (PEC). PEC is committed to working with ASHRAE volunteers with translations but at this time translation expenses are high and sales are low. If sales of those stand alone tests exceed expectations, development of Spanish language eLearning courses can be further investigated. **(Complete)**

**Central Florida Chapter – Motion 41 (10/24/2010):**

That ASHRAE publish design climate data for Colombian city of Medellin in the Fundamentals Handbook, resulting in increased member services to our members in South America.

**Answer:** This motion was referred to Technology Council. Ross Montgomery reported that the TC responded to the chapter concerning this motion and they understand what it is they need to do in order to make this happen in the future. **(Complete)**

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**Brasil Chapter – Motion 11 (10/25/2009):**

That Members Council be allowed to make the decision to change the region that a chapter is assigned to, for good cause, beginning July 1, 2010.

**Answer:** This motion was withdrawn. **(Complete)**

**Spacecoast Chapter – Motion 12 (10/25/2009):**

That Region 12 and the Spacecoast Chapter change their boundaries to allow establishment of new sections and chapters on spacecraft and/or celestial bodies other than physically located on the planet Earth, that will allow assignment to the Spacecoast Chapter (for sections) and to Region 12 (for sections and chapters) beginning July 1, 2010.

**Answer:** This motion failed. **(Complete)**

**Argentina Chapter – Motion 13 (10/25/2009):**

That ASHRAE change the rules in the MCO, Section 14-Sections, to allow Regions to have similar rights to sponsor sections, beginning as soon as possible, but no later than January 2010.

**Answer:** This motion was approved. **(Complete)**

**Argentina and Brasil Chapters – Motion 30 (10/25/2009):**

That the dues for members in Mexico, Argentina and Brasil be capped at the World Bank Developing Country rate of \$90 US, beginning July 1, 2010.

**Answer:** This motion was referred to the Membership Promotion Committee (MPC). MPC determined that Mexico is considered lower middle income on the World Bank List of Economies, and has been included in the ASHRAE Developing Economies dues structure since its inception. Both Argentina and Brasil are not included on the World Bank List of Economies or the OHRLLS, and shall not be considered as eligible for the \$90 developing economies membership rate offered by ASHRAE. **(Complete)**

**Argentina Chapter – Motion 31 (10/25/2009):**

That ASHRAE offer a more timely and safe option “method of payment” to members for expenses and such, for example via electronic means versus regular mail, beginning as soon as possible, but no later



than January 2010.

**Answer:** This motion was referred to staff. ASHRAE is going to implement this shortly and will notify the chapters. There will be a fee charged by the bank to ASHRAE and the chapters which may be a percentage of the total of each transaction. **(Complete)**

**Argentina Chapter – Motion 32 (10/25/2009):**

That ASHRAE consider creating a “certification” program for the subject of Refrigeration to be placed on the agenda of the Certification Committee, before or by January 2010.

**Answer:** This motion was referred to the Publishing and Education Council. The Certification Committee received, through the Publications & Education Council, a referral from Members Council containing a request from the Argentina Chapter for a new certification program in refrigeration. The Certification Committee appreciates the request and welcomes ideas for new programs from ASHRAE chapters and other interested parties. After discussion of the request, the Committee determined that its budget will support the development of only one new certification program in FY 2010-2011 and that a new program for Energy Assessors will have a larger target audience and will meet a more urgent industry need than would a program in refrigeration. As a result, the Committee has decided not to pursue the development of a certification program in refrigeration at this time. However, the Committee may reconsider this topic for a program in the future. **(Complete)**

**Argentina Chapter – Motion 33 (10/25/2009):**

That ASHRAE produce a one-year “CD+” (to be a 1-year version, searchable, multi-featured, enhanced graphics, etc.), and offer this new “CD+” to all members of ASHRAE, as an alternative to the current printed handbook, as a member benefit, beginning as soon as possible but no later than January 2010.

**Answer:** This motion failed. CD+ sales are between \$150,000 and \$250,000, per year depending upon the volume that is added to the CD. Some of this revenue would be lost, perhaps 10%. More importantly, ASHRAE offers all current volumes for sale to new members, and revenue from this program ranges from \$50,000 to \$125,000 annually depending upon which volume is being updated. This revenue would be substantially reduced, anywhere from \$40,000 to \$100,000 on the year. Finally, there is long term membership impact. If a member is easily able to have all four volumes during their first year, there is a good chance the member will not renew until the Fundamentals volume is next revised. **(Complete)**

**Puerto Rico Chapter – Motion 34 (10/25/2009):**

That Society celebrate its 2013 Annual Meeting in San Juan, Puerto Rico.

**Answer:** This motion failed. The hotel space needed is not adequate. The Puerto Rico Convention Center has 21 meeting rooms and the Sheraton Hotel which connects to the Convention Center has 20 meeting rooms. Forty-One (41) meeting rooms is not nearly enough for the Annual Meeting right now and by 2013, we will need even more meeting rooms since the requests for rooms increase each meeting. The Sheraton Hotel only has 500 sleeping rooms and we need 900+ on our peak night. There are not any other hotels close by to use as an overflow. **(Complete)**

**Puerto Rico – Motion 35 (10/25/2009):**

That Society commission a study to study the impacts of implementing ASHRAE Standard 90.1-2007 in tropical locations, starting in July 1, 2010.

**Answer:** This motion failed. A hot humid design guide is already available. The chapter should review the Advanced Energy Design Guide (AEDG) and the Life Cycle Cost Guideline to determine if this satisfies their request. If it does not give them the information needed, then they should submit an abstract and a table of contents to further clarify their request. **(Complete)**



**Puerto Rico – Motion 36 10/25/2009):**

That Society develop a Green Life Cycle Cost Analysis Guide, so sustainable practices can be implemented into buildings life cycle cost analyses. This motion should have a neutral fiscal impact, since the guide can be developed by volunteers.

**Answer:** This motion was referred to Technology Council. Technology Council transferred this motion to the TC 2.8 Section Head and responded they will report back if their version of the green guide meets this request. **(Complete)**

**Region XII – Motion 54 (10/25/2009):**

That Members Council ask the Student Activities Committee to consider and construct rules that will offer student branch members an opportunity to become an “exchange student” for one year to different schools all over the world, beginning July 1, 2010.

**Answer:** This motion was referred to the Student Activities Committee (SAC). SAC launched a new career services program on ASHRAEjobs.com which is a full service job and resume posting service connected directly to the HVAC&R industry. Employers are able to post internship opportunities at no cost. **(Complete)**

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**Brasil Chapter – Motion 7 (10/25/2008):**

That the ASHRAE Satellite Broadcast has closed captioning (in English) added.

**Answer:** This motion was approved. **(Complete)**

**Central Florida Chapter – Motion 19 (10/25/2008):**

That Society modify the online new member application process by July 1, 2009 to collect chapter dues concurrently with Society dues as the standard operating procedure and allow the new applicant a method to not pay chapter dues as an alternate.

**Answer:** This motion failed. This is not possible in our computer system and the cost would be significant. Also, by doing this, it does not require chapters to reach out and connect with new members. **(Complete)**

**Central Florida Chapter – Motion 20 (10/25/2008):**

That Society modify the membership database programming by July 1, 2009 to be able to accept changes to “Chapter Dues Paid” as provided by the chapter membership promotion chair to Society.

**Answer:** This motion failed. This is not possible in our current computer system. **(Complete)**

**Southwest Florida Chapter – Motion 21 (10/25/2008):**

That ASHRAE Society move Programs out from under CTTC and have this function standalone and a program director be appointed at the Society level. Each region would have the responsibility of providing a Regional Vice Chair for Programs.

**Answer:** This motion failed. The DL Program has grown and is working well under CTTC. **(Complete)**

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**Argentina Chapter – Motion 14 (09/21/2007):**

That each student chapter branch receive a copy of the current handbook (set of 4-paper version) at no cost, if requested through their Student Activities Committee RVC.

**Answer:** This motion failed. Students already get the handbook at a discounted price. **(Complete)**



**Florida West Coast Chapter Motion 15 (09/21/2007):**

That ASHRAE Society shall produce and provide an educational DVD to each chapter for training of Board of Governors members.

**Answer:** This motion failed. The motion was referred to Members Council Leadership Development Ad Hoc Committee. A DVD is not an interactive tool for chapters. The Leadership Development Ad Hoc Committee determined that a podcast could work better and will continue to research and bring a recommendation back to Members Council. **(Complete)**

**Central Florida Chapter – Motion 42 (09/22/2007):**

That the Society PAOE “Sustainability Award” be renamed the “Terry E. Townsend Sustainability Award.”

**Answer:** This motion failed. There are rules in place when naming awards after individuals. **(Complete)**



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**Thomas E. Werkema, Jr.**  
**Chair, Technology Council**

Date: March 3, 2014  
To: Joyce Abrams, Director of Member Services  
From: Tom Werkema, Technology Council Chair  
Subject: Members Council Referral to Technology Council from October 2013

During the Members Council meeting in October 2013, Members Council referred the motion below to Technology Council for consideration.

**Region XII (Columbia Chapter) – Motion 7B (10/5-6/2013):**

That Society publish weather design data information and weather data bins for 50 additional representative cities of varying elevations in Central, South America and Caribbean Area within the next two years starting July 2014 for publication into the Fundamentals weather data tables.

**Background:** Currently published weather data for the Central and South America and Caribbean region is not representative of the actual weather design conditions in the area and lack of information does not permit accurate Energy Simulations for green building projects and perform life cycle cost analysis.

Proper energy models are required for sustainable construction including programs like ASHRAE's bEQ and the LEED certification process.

**Note:** Chapter was advised that this motion has been sent to Members Council before (twice), and the answer was sent back that Society (via TechC) agreed to receive and publish credible weather data if the chapter would send it to the Standards Project Committee, to date, it has not been done.

**Fiscal Impact:** Cost of new data entry and publication in handbook.

**Excerpt from draft Members Council Minutes:** "There was concern that the chapter has requested this information more than once. The motion was originally referred to Technology Council via TC 4.2 making a request to the Colombia Chapter to supply them with the weather data sources. Mr. Aguilo explained that the chapter does not have this information and that the TC should be able to provide the data to the chapter or advise them where to find it."

**Response:** TC 4.2 and SSPC 169 developed and posted the FAQ response below on their website (<http://tc42.ashraetcs.org/faq.html#7>) back in 2011 in response to these types of requests.

Both committees are more than willing to help this region, but they cannot create the raw climatic data that is needed to be able to add these locations to the handbook and standard. Most of the raw climatic data that is used by ASHRAE now comes from the [National Climatic Data Center \(NCDC\)](#) in Asheville NC and they currently don't have this data for this region of the world.

The chapters from this region would be better served to poll their local governments, universities, and other entities to locate all the current weather stations in their area and arrange for the release of multi-year archived data. In the U.S., you can go to a site like Weather Underground (<http://www.wunderground.com/>) for this type of information. If you enter a zip code, it lists near the bottom of the page all the public and private weather stations in that area. In parallel, they should investigate also what it would take to add suitable weather stations to their area. The station at the ASHRAE HQ building was less than \$10,000 and it collects much more data than what is required below. If such action was taken back in 2011, we would be three years closer now to having the required 8 year minimum length of raw data.

The previous response from TC 4.2 and SSPC 169 to this type of referral still applies:-

TAC and TC 4.2 believe that the subject of this referral has already been addressed in a previous referral from the Columbia Chapter on weather data and they are willing to work with the Columbia Chapter if they come forward with new weather data sources as suggested in a FAQ that the TC developed in response to the earlier referral. **No additional effort can be taken without new data sources.**

Technology Council considers its response complete at this time.

CC: Tom Phoenix, Chair, Members Council  
David Underwood, Vice Chair, Members Council  
Bjarne Olesen, Vice Chair, Technology Council  
Kay Thrasher, OPS Chair  
Walter Grondzik, TAC Chair  
Claire Ramspeck, DOT  
Mike Vaughn, MORTS