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MINUTES OF FORTY-NINTH MEETING OF THE CERTIFICATION COMMITTEE
March 14th and 15th, 2006
Homewood Suites – Riverwalk, San Antonio, TX

Dates and Votes Present
3/14/06 **3/15/06**

Members by Virtue of Being a Public Interest Participant

Public Interest	Elaine Rodman	1	1
Public Interest	Don Vild	1	1
Public Interest	Arthur Johnson	1	1
Public Interest	James Spetz	1	1
Public Interest	Dennis Johnson	1	1
Public Interest	Joseph E. Minor	Present	Present

Member by Virtue of Being a Licensee With a Certified Product

ACI Distribution	Mike Grossman	1	1
Alside/Gentek	Steve Harp	1	1
Arch Aluminum	Cliff Monroe	1	1
Berkowitz, J.E.	Lance Hayes	1	1
Cardinal IG	Bob Spindler	1	1
Guardian Industries Corp	Carrie Gillis	1	1
Guardian Fabrication Corp.	Kevin Olah	1	1
Hurd Windows and Doors	James Sorge	1	1
Marvin Windows	James Krahn	1	1
ODL	Chuck Pergler	1	1
Oldcastle Glass	Rick Wright	1	1
Oldcastle CGP	Rick Wright	1	1
Viracon, Inc.	Lyle Krohnberg	1	1

Member by Virtue of Being a Supplier Participant

Allmetal, Inc.	Denny Raske	1	1
Bostik	Terry Samons	Absent	1
Delchem	John Matukaitis	1	1
Edgetech IG	Joe Erb	1	1
Edgetech IG	Gerhard Reichert	Present	Present
HB Fuller	John Greenzweig	1	1
Inex	Michael Springer	1	1
PRC DeSoto	Gordon Zabrecky	1	1
TruSeal Technologies	Lori Postak	1	Absent

Votes Present	25	25
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Guest, Laboratories, Legal Council and Staff

AMS	John Kent	Present	Present
Architectural Testing Inc.	Dan Braun	Present	Present
Bodycote Material Testing	David Bailly	Present	Present
FDR Design	Randi Ernst	Present	Present
FDR Design	Barb Ernst	Present	Present
Howe & Hutton, Ltd.	Lee Badger	Present	Present
IGMA	Margaret Webb	Present	Present
Intertek	Bob Davison	Present	Present
Lingnell Consulting/IGMA	Bill Lingnell	Absent	Present

Persons Present 34 35

3.14.06.1 The meeting was called to order at 1:12 pm by the Chair, Joe Erb and a quorum declared present. All present introduced themselves. Voting rights of the committee were reviewed.

3.14.06.2 The minutes of the May 3 and 4, 2005 meeting in Philadelphia were reviewed. A motion was made by Temple/Grossman to approve the minutes.

Vote: Unanimous Affirmative
Motion Passed

3.14.06.3 **Sub Committee Structure**

A list of standing committees within the certification process has been developed. This was done to better define the structure of certification activities and to make it easier to delegate subjects to the appropriate area of expertise. The list was reviewed, revised and volunteers solicited. (See attachment #1)

3.14.06.4 **Legal Counsel’s Report – Lee Badger**

- A) Legal guidance as to IGCC Antitrust Compliance Program and written guidelines were discussed and provided to all in attendance. (See attachment #2)

- B) Legal guidance and comments were provided regarding IGCC operation in light of:
 - 1. Illinois Not for Profit Corporation Act, as amended (under which IGCC is incorporated)
 - 2. IGCC Corporate By-Laws
 - 3. IGCC License Agreement and other provisions of the CPD
 - 4. Internal Revenue Code sec. 501 (c) (3) under which IGCC maintains tax exempt status
 - 5. U.S. Trademark Law and U.S. Patent and Trademark Office matters concerning the IGCC mark
 - 6. Relevant U.S. Department of Justice Antitrust Division and Federal Trade Commission Matters

3.14.06.5 **IGCC Board of Governors Report – Mike Grossman**

The IGCC Board spent most of their time in this morning's meeting reviewing proposed updates and revisions to the IGCC By-laws. The IGCC license agreement is also being reviewed.

3.14.06.6 IGMA Report – Margaret Webb

- A) Research work on “Gas Glass Best Practices” has been completed. The document Pr-GGBPWG-05 “IGMA Test Method for Spark Emission Spectrography” is now available.
- B) Work has been completed on the SIGMA/IGMA 25 year field correlation study. IGMA is considering how to move forward from here, how to make the information publicly available, and possible future projects.
- C) Phase 1 of the gas permeability research project is complete. This involved determining permeation rates for various sealants. Request for proposal for phase 2 and 3 are being distributed.
- D) Working groups have projects in process for thermal stress and breakage, visual quality guidelines, and glazing guidelines.
- E) Three educational seminars are scheduled for 2006
- F) The 2006 IGMA summer meeting is scheduled for July 29th – Aug 1st in Toronto. The next winter meeting will be February 21-25, 2007 in Florida.

3.14.06.7 Financial Report – Cliff Monroe

(See Attachment #3)

3.14.06.8 Administrator's Report – John Kent

(See Attachment #4)

3.14.06.9 Certification Appeals Committee – Joe Erb

(See attachment #5)

After review of the Appeals Committee discussion and review of the issue, discussion was deferred to agenda item number 15 “Component Substitution”.

3.14.06.10 NFRC and DOE Update – Marg Webb

- A) IGMA and GANA received invitations from NFRC to participate in the NFRC Board meeting to discuss the proposed “Non-Residential” certification process. NFRC has committed to the state of California to provide a system for thermal rating of non-commercial products by January 2008. At present the “Non-Residential” program which is now being called the “component modeling program” is still under development. NFRC has hired a consultant to begin development of a procedural guide for such a program. It has been a significant challenge to get the traditionally residential participant of NFRC to understand the issues of the commercial IG industry. All were encouraged to get involved and participate.
- B) The long term energy performance sub-committee has made a recommendation to require IG third party certification as a requirement for NFRC certification. The issue was later tabled until an implementation plan could be developed.
- C) DOE has distributed a roadmapping survey to ask for input as to what DOE's priorities should be moving forward. There was discussion as to where IG durability fell on DOE's priority list.

3.14.06.11 **Product Key Harmonization**

(See Attachment #6)

A subcommittee was formed at the last meeting to review harmonization of unit descriptions (product key) between IGCC and IGMA. The general thinking of this group was to identify products with generic codes rather than with proprietary trade name descriptions. A proposal has been made as submitted in attachment #6. The key concepts of this proposal are that 1) all sealants of the same generic family will be considered equivalent, 2) mechanical connector (MC) and bent corner (BC) will be used to identify the maximum connection points in a unit, 3) a list of seal/spacer systems shall be maintained to correlate generic code to proprietary trade name. After review and discussion a motion was made by Wright/Postak to accept the proposed product key changes except for gas fill codes which will be tabled until agenda item number 8.

Vote: 20 Affirmative
 1 Negative
 2 Abstentions
 Motion Passed

As part of the attachment, sealant, desiccant and spacer system lists correlation model and manufacturer with generic category were distributed. All were encouraged to review these lists and provide updates or corrections.

3.14.06.12 **Coated Glass Guidelines**

(See Attachment #7)

After review and discussion, a motion was made by Monroe/Spindler to delete guideline A.GL.7, A.GL.8 and revise Guideline G.19 as follows:

New G.19 - Coated Glass

An Insulating glass unit constructed with coated glass with the coating toward the air space (pyrolytic or sputter coated) shall be certified utilizing the same certification number provided annual test units include one lite of the coated product per test sample. Only the highest volume coated product need be tested. Testing of sputter coated non-edge deleted will cover sputter coated edge deleted, Pyrolytic and uncoated. Testing of sputter coated edge deleted will cover Pyrolytic and uncoated. Testing of Pyrolytic will cover Pyrolytic and uncoated. Testing uncoated will only cover uncoated.

New Product Key Listings:

C3 = Sputter Coated, Non-Edge Deleted
C2 = Sputter Coated, Edge Deleted
C1 = Pyrolytic
U = Uncoated

Vote: Unanimous Affirmative
 Motion Passed

The administrator was directed to send a letter to all licensees notifying them of this change.

3.14.06.13 **Laboratory Approval Status**

(See Attachment # 8)

3.14.06.14 **Triple Pane Units**

(See Attachment # 9)

Currently IGCC and IGMA address multiple air space units (triple panes) differently. Interest in triple pane units is relatively low in the US while much more common in Canada. After discussion the issue was tabled for further discussion at IGMA. The group will look to IGMA for a recommendation at the next meeting.

3.14.06.15 The meeting was adjourned at 4:55 pm for the day.

3.15.06.1 The meeting was reconvened by the Chair, Joe Erb at 8:05 am.

3.15.06.2 **Gas Fill Certification Working Group Report – Marg Webb**

(See Attachment # 10)

The report of the gas fill certification working group was reviewed, discussed and annotated live at the meeting. Attachment # 10 is the results of those discussions. It was agreed to refer these comments back to the working group for further development.

3.15.06.3 **Laboratory Manual Review**

There was no activity to report on this effort. The matter has been referred to the Laboratory Subcommittee who will provide recommended revisions at the next meeting.

3.15.06.4 **ASTM E2190 Status and Issues**

(See Attachment # 11)

The issue will be reviewed with the Laboratory Subcommittee and work continued.

3.15.06.5 **Department of HUD**

(See Attachment # 12)

Recently IGCC has received concerns over HUD's possible acceptance of ASTM E2190 as an alternate to ASTM E774. Although in general acceptance of ASTM E2190 seemed to be going well, there are still referenced in HUD standards to the old standard. It was noted that the E774 standard is no longer an active standard nor maintained. It was agreed that IGCC would renew its communication with HUD regarding acceptance of ASTM E2190. Copies of the E2190 series of standards along with the IGCC/IGMA "Educational Piece" shall be included with the correspondence.

3.15.06.6 **Labeling**

(See Attachment #13)

After discussion, a motion was made by Krohnberg/Raske to change IGCC labeling requirements to read “plus or minus 3 months”.

Vote: Unanimous Affirmative
Motion Passed

Question was raised regarding the need for the ® registered trademark being required on IGCC marked spacer. Legal counsel was requested to further review this matter.

3.15.06.7 **Review of Spacer Change Guidelines**

(See Attachment #14)

This issue was deferred to the CPD Guidelines and Equivalency Subcommittee for the committee to provide a recommendation at the next meeting.

3.15.06.8 **Component Substitution**

(See Attachment #15)

This matter was further deferred to the Appeals Committee for review in the coming months. The Administrator was directed to distribute further information and arrange a conference call on the matter.

3.15.06.9 **List of Committee Topics**

(See attachment #16)

The list, which was originally started in the early stages of the IGCC and IGMA joint certification effort, was reviewed. Since all the issues on the list have either been completed or deferred to a specific subcommittee, it was determined that it was not necessary to maintain the list further.

3.15.06.10 **Old Business**

None

3.15.06.11 **New Business**

- A. Jim Spetz provided a demonstration of an inexpensive device that is capable of determining modified dew points of field IG units. The device is helpful in determining field performance and longevity of IGU’s. Anyone interested in the device may contact Jim.
- B. In an effort to keep discussion focused, John Kent suggested possibly developing a list of certification golden rules, or core concept. The thought is that the list could be referred to in discussions in an effort to maintain consistency and focus in the certification process. A draft will be developed for the next meeting.

3.15.06.12 **Next Meeting**

The next meeting will be held in Phoenix, AZ on November 14 and 15, 2006 at a hotel to be determined. The schedule will be as follows:

Tuesday November 14th	AM – IGCC Board Meeting
	PM – Certification Committee Meeting
Wednesday November 15th	AM – Certification Committee Meeting
	PM – IGCC Board Meeting

3.15.06.13 The meeting was adjourned at 12:00 noon.