



safety glazing certification council

P.O. BOX 730
SACKETS HARBOR, N. Y. 13685
PHONE 315-646-2234
FAX 315-646-2297

**MINUTES OF SEVENTY-EIGHTH
MEETING OF THE
CERTIFICATION COMMITTEE
APRIL 25 and 26, 2007
OFFICES of SCHIFF HARDIN
CHICAGO, IL**

		Date and Votes Present	
		<u>4/25/07</u>	<u>4/26/07</u>
<u>Members and Alternates Present</u>			
AFG Fabrication	Mark Cody	1	1
AFG Inds., Inc	Mark Cody	1	1
Arch Aluminum & Glass	Tim Moore	1	1
J.E. Berkowitz	Lance Hayes	1	1
Cardinal Glass	Bernie Herron	1	1
Guardian Fabrication Inc.	Kevin Olah	1	1
Guardian Industries Corp.	Kevin Olah	1	1
Guardian Canada Corp	Daphne Pedreschi	1	1
Oldcastle Glass	Rick Wright	1	1
Oldcastle Glass CPG	Rick Wright	1	1
Val Temperbent	Richard Paschel	1	1
Val S.P.A.	Richard Paschel	1	1
Viracon	Lyle Krohnberg	1	1

<u>Members by Virtue of Being a Director</u>			
Public Interest	Elaine Rodman	1	1
Public Interest	William Nugent	1	1
Public Interest	Peter Weismantle	1	1
Public Interest	June Willcott	1	1
	Votes	<u>17</u>	<u>17</u>

<u>Guests</u>			
Architectural Testing, Inc.	Scott Swaltek	Present	Present
Guardian Industries	Henry Gorry	Present	Present
Solutia	Julia Schimmelpenningh	Present	Present
Quality Testing	Dave Hungerford	Present	Absent

<u>Legal Counsel</u>			
Schiff, Hardin LLP	William M. Hannay	Present	Present

<u>Administrative Staff</u>			
AMS, Inc.	John Kent	Present	Present

Persons Present	<u>19</u>	<u>18</u>
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4.25.07.1 The meeting was called to order at 1:10 by Chairman Mark Cody and a quorum declared. All present introduced themselves.

4.25.07.2 The minutes of the October 11 and 12, 2006 meeting were reviewed. A motion was made by Paschel/Herron to approve the minutes as submitted.

Vote: Unanimous Affirmative
Motion Passed

4.25.07.3 **Committee List**

(See Attachment #1)

In an effort to more clearly define the SGCC structure and process a list of working committees has been assembled.

4.25.07.4 **Board of Directors' Report – W. Nugent**

- A. The Board has adopted an SGCC conflict of interest statement and a record retention policy. This was done at the suggestion of the SGCC financial auditor.
- B. SGCC Certificate of insurance policy was reviewed. This policy requires all licensees to name SGCC as an additionally insured on product liability insurance coverage. A subgroup of the board has been formed to further study this issue.

4.25.07.5 **Financial Report – E. Rodman**

(See Attachment #2)

4.25.07.6 **Legal Counsel's Report – W. Hannay**

- A. SGCC Anti-Trust Guidelines were distributed to the group and read out loud (See Attachment #3)
- B. SGCC, a corporation incorporated under the Illinois General Not For Profit Corporation Act, is in good legal standing in the State of Illinois with no pending or threatened litigation.
- C. Certificate of Insurance compliance continues to be pursued. (See Attachment #4)

4.25.07.7 **Administrator's Report – J. Kent**

(See Attachment #5)

The Administrative Manager explained that Architectural Testing of Tampa, FL has made application to become an approved SGCC testing laboratory. An audit was conducted of the facility and any corrective actions resulting from that audit have been resolved. After discussion and review, a motion was made by Willcott/Rodman to accept ATI – Tampa as an SGCC approved testing Laboratory.

Vote: Unanimous Affirmative
Motion Passed

4.25.07.8 **Quick Action Sub-committee Report**

There was no activity to report since the last meeting.

4.25.07.9 **Testing Laboratory Status**

(See Attachment #6)

- A. Discussion was held regarding laboratory performance. It was explained that often the administrative office resolves laboratory performance issues without the licensee being involved. Licensees were encouraged to communicate any laboratory performance related issues directly to the laboratories as well as the SGCC office. Ultimately a licensee may switch laboratories if performance is unacceptable. The Administrator was directed to conduct a survey of SGCC licensees regarding laboratory performance. A copy of cumulative results shall be provided to all labs while specific results will be provided to each lab.
- B. A motion was made by Weismantle/Olah to re-approve the current list of SGCC approved testing laboratories for the next 2-year period.

Vote: Unanimous Affirmative
Motion Passed

4.25.07.10 **ANSI Z97.1 Update – K. Olah**

(See Attachment #7)

4.25.07.11 **Program Testing Results Review**

(See Attachment #8)

Although no specific conclusions were drawn, the data was reviewed and its value recognized for consideration in future discussion.

4.25.07.12 **Certification of Laminated Glass**

(See Attachment #9)

Significant discussion centered around concern for meeting CPSC requirements. The laminated glass subgroup chair was requested to work with SGCC legal counsel in contacting CPSC to gain clarification of 1201.4 (c)(2). Of concern is the definition of nominal thickness for laminated glass.

4.25.07.13 **SGCC Label Content and Testing**

- A. (See Attachment #10) It was suggested to review the wording contained in ANSI Z26.1 for guidance. M. Cody offered to work with the SGCC Quick Action committee in further review of this issue.

B. (See Attachment #10 and #11, Labeling requirements) After review the current practice was felt to be acceptable. Laboratories were invited to add any clarifying notes as needed to reports.

4.25.07.14 The meeting was recessed at 5:20 pm

4.26.07.1 The meeting was reconvened at 8:35 am

4.26.07.2 **Thickness Range Outside ASTM C1036**

(See Attachment # 12)

After discussion, a motion was made by Paschel/Wright to revise Guideline G.29 as follows:

" G.29 - For the purposes of certification, the thickness requirements of Specification ASTM C1036, CEN or other nationally or internationally recognized thickness specifications shall apply.

Vote: 9 Affirmative, 8 Negative, 0 Abstentions
Motion Passed

The Administrator was directed to adjust any other guidelines so affected.

4.26.07.3 **Limited Size Certification**

(See Attachment # 13)

The attached e-mail memo was reviewed. The Administrator was directed to draft a guideline in the CPD to clarify this issue. Perhaps a revision of guideline G.9 was considered appropriate.

4.26.07.4 **Testing Laboratory Instructions**

Limited copies of the revised and updated SGCC Lab manual (Testing Instructions) were distributed and reviewed during the meeting. After review a motion was made by Olab/Paschel to accept the lab manual as revised.

Vote: Unanimous Affirmative
Motion Passed

4.26.07.5 **Report Delays**

(See Attachment # 14)

Although there were examples of unacceptable delays, on average the test process seemed to be acceptable. The feeling was to let the marketplace police lab performance. It was recognized that delays at the administrative office and with forwarding paperwork during audits contributes to the overall delay. The Administrator was directed to notify the labs that test and report delays have been of concern and will be monitored and information shared with

participants. It was recognized that the customer survey, which was agreed to earlier, would add light to this issue as well.

4.26.07.6 **Certification of Shapes**

(See Attachment # 15)

After discussion, the proposed guideline was annotated as indicated in the attachment and a motion was made by Moore/Herron to approve the new guideline as a G (General) guideline as annotated.

Vote: 16 Affirmative, 1 Negative, 0 Abstentions
Motion Passed

4.26.07.7 **Certification to CAN CGSB 12.1**

(See Attachment # 16)

It was agreed that since this issue affects the overall mission and scope of SGCC, the matter would be referred to the SGCC Board.

4.26.07.8 **Leaded Patterned Glass**

(See Attachment # 17)

To the best of the group's knowledge this product has not been tested nor offered for certification in over 20 years. The issues covered by these guidelines were felt to be more applicable to ANSI. A motion was made by Paschel/Rodman to delete guidelines G.20, LG.1, LG.2, and LG.3.

Vote: Unanimous Affirmative
Motion Passed

4.26.07.9 **Old Business**

None

4.26.07.10 **New Business**

None

4.26.07.11 **Next Meeting**

It was agreed that the next meeting, subject to availability, would be in Orlando, FL at the Orlando Hyatt on October 17-18th, 2007.

4.26.07.12 **The meeting was adjourned by the chair at 11:40 am.**



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ATTACHMENT #1

Certification Sub Committee Structure

Committee: Quick Action

Chair: Mark Cody

Scope: Between meetings resolution of any issue, appeal or request for review that can not be dealt with by the administrator, or is beyond the guidance provided to the Administrator or for which the Administrator has rendered a decision that is not acceptable by the applicant.

Members

SGCC President	William Nugent
Certification Committee Chair	Mark Cody
Public Interest	June Wilcott

Committee: Nominating

Chair: Don Vild

Scope: Research and presentation of slate of SGCC Board nominees and officers for the annual SGCC participants meeting.

Members

Kevin Olah

Committee: Time, Place and Marketing

Chair: Elaine Rodman

Scope: Canvas for scheduled meetings of glass and associated industry meetings; develop a list of possible locations and specific dates for future meetings for submittal to participants for vote. Maintain SGCC marketing plan.

Members

Rick Wright

Committee: Laboratory and QA Inspection

Chair: Kevin Olah

Scope: Address and resolve concerns related to the interrelationship between the laboratories, the administrator, and SGCC participants. Development and maintenance of the laboratory testing manual and program quality assurance requirements.

Members

Bernie Herron	Rick Wright
Cliff Monroe	Don Vild
Tim Moore	Mark Cody

Committee: Laminated Glass Review

Chair: Rick Wright

Scope: Review SGCC guidelines for the certification of Laminated Glass

Members

Don Vild

Cliff Monroe



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ATTACHMENT #2

Annual Financial Comparison Summary

As of 4/17/07

Revenues	2001/2002	2002/2003	2003/2004	2004/2005	2005/2006	2006/2007 (to date)
Administrative	\$201,037	\$259,563	\$238,383	\$300,770	\$306,298	\$349,035
Testing	\$263,298	\$336,961	\$360,036	\$429,682	\$317,424	\$401,316
Business Acct. income	N/A	\$14,168	\$30,959	\$32,585	\$38,700	\$17,525*
Impactor Bags	N/A	N/A	N/A	N/A	\$1,100	\$990
Test Labs Under Five	N/A	N/A	N/A	N/A	\$2,000	\$1,000
Interest Income	\$16,595	\$10,960	\$9,276	\$9,057	\$18,093	\$14,262*
Total Revenues	\$480,930	\$621,652	\$638,654	\$772,094	\$683,615	\$784,128

* year end audit adjustments not yet made as of this date

Expenses	2001/2002	2002/2003	2003/2004	2004/2005	2005/2006	2006/2007
Administrative	\$201,037	\$259,563	\$238,383	\$300,770	\$306,298	\$349,035
Testing	\$263,298	\$290,445	\$327,036	\$429,682	\$317,424	\$401,316
Accounting	\$3,000	\$3,000	\$3,000	\$3000	\$3,000	\$3,000
Legal	\$10,664	\$14,999	\$16,832	\$20,160	\$17,538	\$11,368
Board Meetings	\$8,689	\$8,638	\$9,383	\$9,877	\$9,927	\$6,623
Miscellaneous	\$773	\$8,137	\$1,576	(\$163)	\$2,826	N/A
Insurance	\$3,560	\$4,450	\$5,340	\$5,607	\$5,607	\$5,607
Web Page	\$4,215	\$309	\$548	\$3,689	\$1,925	N/A
Bank Charges	N/A	N/A	N/A	N/A	\$1,558	\$1,749
Marketing	\$22,356	\$20,215	\$20,592	\$6,783	\$0	\$10,000
Total Expenses	\$517,592	\$606,756	\$622,690	\$779,405	\$666,103	\$788,698
Change in Net Assets	(\$36,662)	\$11,896	\$15,964	(\$7,311)	\$17,512	(\$4,570)
Net Assets	\$129,349	\$141,245	\$157,209	\$149,898	\$167,410	\$162,840

Investments	Interest Rate	Date of Maturity	Current Value as of 4/17/07
#1 First National Bank of Dryden	3.70	5/28/08	\$77,546.22
#3 National City Bank	3.72%	8/17/08	\$97,725.25
#6 MBNA Invest Serv/Bk of America	3.69%	12/11/07	\$55,404.11
#7 Redwood National Bank	2.27%	11/23/08	\$99,011.85
#8 Community Investment Services	2.25%	6/21/07	\$108,202.23
#9 Key Bank**	5.15%**	1/1/08**	\$80,000**
#10 Alliance**	5.00%**	5/1/08**	\$80,000**

** Not yet actually purchased, intend to purchase on or before May 1, 2007

SGCC Banking Accounts	
Account	Balance as of 4/17/07
HSBC Checking Account	\$36,406
HSBC Savings Account	\$3,697
WSB Savings Account	\$166,881

ATTACHMENT #3

SGCC ANTITRUST COMPLIANCE GUIDELINES

- A. It is the policy of SGCC to comply fully with the antitrust laws applicable to trade association activities.
- B. In furtherance of this policy, all SGCC meetings are attended by SGCC legal counsel, and the SGCC's officers, directors, and Administrator periodically consult with SGCC legal counsel.
- C. Each participant in SGCC activities has a responsibility to avoid any improper conduct from an antitrust standpoint. The following guidelines will assist in meeting this responsibility.
 1. SGCC meetings are held solely to manage and operate SGCC and its certification program, in accordance with SGCC's corporate purposes, the SGCC Bylaws, and the Certified Products Directory.
 2. No participant in SGCC activities, including the certification program and standards development efforts (such as ANSI Z97.1), should attempt to misuse his or her position within SGCC to gain an unfair competitive advantage on behalf of his or her company.
 3. To avoid antitrust problems (either civil or criminal), the following legally-sensitive subjects should not be discussed by competitors at or during SGCC meetings:
 - a. Future marketing plans of specific competitors;
 - b. Any complaints or business plans relating to specific customers, suppliers, geographic markets or products;
 - c. Agreements between competitors to allocate markets, customers or products;
 - d. Agreements between competitors to refuse to deal with a supplier or a customer;
 - e. Purchasing plans or bidding plans (except privately between two parties with a vertical commercial relationship such as supplier and customer); or
 - f. Current or future price information and pricing plans, bidding plans, refund or rebate plans, discount plans, credit plans, specific product costs, profit margin information or terms of sale.

Any question regarding the legality of a discussion topic or business practice should be brought to the attention of SGCC legal counsel* or your company's individual legal counsel.

April 2007

* William M. Hannay, Schiff Hardin LLP, 7200 Sears Tower, Chicago, IL 60606; (312) 258-5617; (312) 258-5700 (fax); e-mail: whannay@schiffhardin.com.

Company	Cert. Exp.	Corresp	Update	Contact Name
A-1 Glass Unlimited	07/21/07		12/12/06	
ACI Distribution	10/01/07		10/23/06	
AFG Industries, Inc.	01/01/08		04/07/07	
All Team Glass & Mirror, Ltd.	08/24/07		10/20/06	
American Shower Door	02/28/08		03/14/07	
AMSCO Windows	07/01/07		04/06/07	
Anlin Industries	08/01/07		08/07/06	
Anthony International	01/01/08		01/12/07	
Arch Aluminum & Glass Co.	04/28/07		05/09/06	
Arlene Stained Glass	11/09/07		01/18/07	
Atwood/Spec-Temp, Inc.	10/15/07		10/13/06	
Bendheim Company, Inc.	01/11/08		03/22/07	
Berkowitz, J.E.	05/01/07		05/19/06	
Binswanger Mirror	10/01/07		10/23/06	
Bronco Industries, Inc.	02/05/08		04/13/07	
Cameron Glass, Inc.	07/01/07		07/154/06	
Cardinal IG	10/01/07		10/23/06	
Cat I Manufacturing, Inc.	11/08/07		01/13/06	
Changshu Hard Glass	07/21/05	09/09/05	07/29/04	
		01/10/06		
Changshu Xingfu Glass Material Co., Ltd.	03/13/08		04/12/07	
Changshu Zhongcheng Building Material Co., Ltd.	04/26/07		08/07/06	
Chicago Tempered Glass, Inc.	10/15/07		10/23/06	
Coastal Glass Distributors	10/01/07		10/20/06	
Colonial Mirror & Glass Corp	05/31/07		07/14/06	
Commercial Insulating Glass Co.	06/01/07		06/22/06	
Consolidated Glass Corporation	11/15/07		12/14/04	
Contour Industries, Inc.	01/01/07	03/07/07	11/03/06	Scott Stidham
Contractors Wardrobe	03/01/07	04/16/07	05/30/06	Rene Orellana
Coral Industries, Inc.	12/31/07		01/04/07	
Craftsman Tempered Glass Division of Glass Wholesalers	08/01/07		10/26/06	
Day Specialties Corporation AGC America, Inc.	01/01/07	02/22/07	08/15/06	Bill Bartlett
Desert Glass Products, Inc.	10/25/05	01/10/06	02/09/05	Jerome Ellis
		06/01/06		
Dlubak Corporation	07/07/07		08/21/06	
Dong Sung Glass Korea Co., Ltd.	12/27/05	03/27/06	06/21/05	Jimmy Kim
		08/04/06		
Dongli Tempered Glass	09/30/05	10/11/05	01/06/05	
		01/10/06		
Downey Glass Industries, LLC	11/08/07	02/05/07	02/05/07	
Eckelt Glas GmbH	01/01/05	04/14/04	04/13/04	Christian Eckelt
		06/29/04		
		10/27/06		
		(SGCC)		
		11/16/06		
Edge Seal Technologies	01/07/08		01/03/07	
EFCO Corp.	10/01/07		09/26/06	
Engineered Glass Products L.L.C.	06/01/07		06/05/06	
FTG of NC LLC	12/21/07		01/04/07	
Galaxy Glass Corp., Inc.	11/21/07		03/28/07	
Gemtron Corp.	09/30/07		10/19/06	
GGI Glass Distributors Corp.	09/01/07		12/12/06	
Glass Design of Miami, Inc.		08/07/06	06/01/06	Ernesto Garcia
		03/07/07		

7/15/07 0744506

Company	Cert. Exp.	Corresp	Update	Contact Name
Glass Dynamics, Inc.	12/10/07		12/18/06	
Glass South Africa, LTD	07/01/07		03/14/07	
Glass, Inc.	12/19/07		01/03/07	
GMS Tempering Corp.	04/05/07	06/01/06	06/01/06	Elyne Gonzalez
		09/27/06		
Goldray, Inc.	05/22/07		06/06/06	
Grand Glass Corporation	06/22/07		08/11/06	
Guardian Industres/Fab	06/01/07		06/05/06	
Haida Safety Glass, Ltd.	04/06/07		04/19/06	
Industrial Tempering Glass	08/24/07	06/01/06	06/01/06	Alexander Weinberger
		09/27/06		
Intex Glass (Xiamen) Co., Ltd.	08/01/07		08/15/06	
Kohler Company	11/01/04	05/19/06		Doug Glisson
		08/04/06		
Laurier Glass Ltd.	02/04/08		02/15/07	
Limited Edition Glass Works	7/22/07		04/12/07	
Mid Ohio Tempering	08/24/07		09/08/06	
Milgard Tempering, Inc.	06/30/06	08/03/06	06/28/04	Theresa Braund
		03/07/07		
Mirror Factory Inc.	05/30/07	04/02/07	01/05/07	Marian Carlson
MirrorCrafters Custom Beveling, Inc.	05/30/07		06/12/06	
Multiver	05/02/07		02/27/07	
Nashville Tempered Glass Corp.	12/01/06	01/22/07	01/24/06	Kevin Moore
Oldcastle Glass	09/01/07		09/08/06	
Oldcastle Glass North Miami f/Ka FLT Glass	09/01/07		03/28/07	
Patio Enclosures, Inc.	07/05/07		07/14/06	
PDC Glass & Metal Services	08/24/07		09/08/06	
PGT Industries	01/01/08		01/03/07	
Pikington Australia	03/31/07	10/27/06	11/08/06	Bill Joycey
		11/08/06		
		11/16/06		
		04/17/07		
PPG Industries, Inc.	Self-insured		12/04/96	
Preico, Inc.	05/07/07		01/16/07	
PT Surya Adhitia Fortuna Glass	07/10/06	08/07/06	01/17/06	Robert Deeb
		10/20/06		
		(SGCC)		
PT Tunggal Majusri Glass	02/11/06	03/28/06	02/24/05	Budiawan Jusmin
		08/04/06		
Qinhuangdao AMPAC Building Products Co., Ltd.	01/11/08		01/12/07	
Qinhuangdao Jixiang Glass Industry	03/02/08		03/14/07	
Quaker Window Products	04/01/07		03/30/06	
Quality Glass & Mirror Inc.	09/17/07		10/24/06	
SaintGobain Glass Mexico S.A. de C.V.	07/01/05	09/09/05	10/26/04	
		01/10/06		
Shanghai Yaohua Pilkington Glass Co.	09/28/07		11/14/06	
Shaw Glass Co., Inc.	12/31/07		01/04/07	
Shenzhen Sanxin Special Glass Technology	01/09/08		03/01/07	
SIGCO, Inc.	08/30/07		09/21/06	
Simonton Windows	04/01/07		06/15/06	
Sovis North America	03/01/08		03/15/07	
Specialty Building Products	04/01/07		06/20/06	
Sunshine Performance Glass	04/26/07		04/12/07	
Swift Glass Co., Inc.	01/01/08		01/05/07	

Company	Cert. Exp.	Corresp	Update	Contact Name
Syracuse Glass Co., Inc.	08/06/07		08/16/06	
Techni-Glass, Inc.	09/22/07		09/08/06	
Technoglas	09/12/06	10/17/06	01/10/06	Christian Daes
Temperbent Glass	03/01/08	03/07/07		
Tempered Glass, Inc.	08/24/07		04/12/07	
TianJin Dong Sung Glass		10/27/06	09/08/06	Jimmy Kim
TRACO		03/07/07		
Triple Seal Ltd.	04/01/08		04/13/07	
United Plate Glass Co., Inc.	02/28/07	03/07/07	11/16/06	Victor Babooskinsl
Val S.P.A.	01/01/08		03/07/08	
Vetzeria Valentini S.R.L.	12/31/07		02/09/07	
Vidrieria Argentina	12/31/07		02/22/07	
Vidrios Lirquen	04/01/06	05/31/06	05/31/05	Ernesto Giraldi
Viracon, Inc.	03/31/07	08/04/06	01/09/07	Alejandro Flores
Virginia Glass Products Corp.	03/01/08	04/16/07	04/12/07	
Vitemco/Glasswall LLC	08/01/07		08/15/06	
Vitro Columbia S.A.	02/01/07	03/07/07	03/27/06	Luis Russi
Vivinco, Inc.	03/03/07	04/16/07	09/26/06	Ivan Guerrero
Westshore Glass	03/01/08		01/03/07	
XYG Glass	06/01/07		06/22/06	
Zhejiang Gelawei bao Glass Technological Co.	01/01/08		03/15/07	
	05/01/07		06/01/06	

ADMINISTRATIVE REPORT

**SGCC April Meeting
April 25 & 26, 2007**

January 1, 2007 Certified Products Directory (CPD)

<i>Cut-off Date</i>	<i>Copies</i>	<i>Subscription List Mailing</i>
January 1, 2007	2160	2110

Certification Removed Since Publishing January 1, 2007 CPD

ANSI Program

None

CPSC Program

None

Composite Program

**AFG Glass Fall River; Fall River, MA
SGCC #1519 3/16-inch TTG**

**AFG Glass San Antonio; San Antonio, TX
SGCC #3323 1/8-inch TTG
SGCC #3324 5/32-inch TTG
SGCC #3328 5/32-inch TPG**

**Cardinal IG; Vinton, VA
SGCC #2925 3/16-inch TPG**

**Oldcastle Glass Warrenton; Warrenton, VA
SGCC #3150 3/4-inch TTG**

Certified Products NOT in January 1, 2007 CPD

ANSI Program

None

CPSC Program

**ACI Distribution; Santa Fe Springs, CA
SGCC #3633 1/8-inch TTG
SGCC # 3634 3/16-inch TPG**

Composite Program

**AFG Glass San Antonio; San Antonio, TX
SGCC #3645 1/8-inch TTG
SGCC #3646 5/32-inch TTG
SGCC #3647 5/32-inch TPG**

**AFG Fabrication Commercial; Fall River, MA
SGCC #3648 3/16-inch TTG**

AFG Fabrication Commercial; Hebron, OH

SGCC #3663 1/8-inch TTG

All Team Glass & Mirror, Ltd.; Woodbridge, ON Canada

SGCC #3656 3/4-inch TTG

Cardinal IG; Vinton, VA

SGCC #3619 3/16-inch TPG

Cardinal IG; Waxahatchie, TX

SGCC #3626 7/32-inch LTG

SGCC #3627 1/4-inch LTG

SGCC #3628 11/32-inch LTG

SGCC #3629 3/8-inch LTG

SGCC #3630 1/2-inch LTG

Changshu Xingfu Glass Building Material Co., LTD; Changshu, China

SGCC #3664 5/32-inch TTG

SGCC #3665 5/32-inch TTG

Consolidated Glass Corp.; New Castle, PA

SGCC #3635 5/16-inch TTG

Day Specialties Corporation; Midland, ON Canada

SGCC #3636 3/16-inch TTG

SGCC #3637 1/4-inch TTG

SGCC #3659 5/32-inch TTG

Edge Seal Technologies; Walton Hills, OH

SGCC #3631 1/8-inch TPG

Galaxy Glass Corp., Inc.; Fairfield, NJ

SGCC #3661 1/2-inch LTG

MirrorCrafters Custom Beveling Inc., Pompano Beach, FL

SGCC #3493 3/8-inch TPG

PPG Inds., Inc.; Wichita Falls, TX

SGCC #3577 5/16-inch TTG

SGCC #3578 3/8-inch TTG

Qinhuangdao Jixiang Glass Industry, Qinhuangdao, China

SGCC #3657 1/4-inch LSP

SGCC #3658 5/32-inch TTG

SGCC #3660 1/4-inch TPG

Shenzhen Saundn Special Glass Technology Co., Ltd.; Shenzhen China

SGCC #3567 1/4-inch TTG

SGCC #3568 5/16-inch TTG

SGCC #3569 3/8-inch TTG

SGCC #3570 1/2-inch TTG

SGCC #3571 5/8-inch TTG

SGCC #3572 3/4-inch TTG

SGCC #3573 1/2-inch LTG

SGCC #3574 5/8-inch LTG

SGCC #3575 7/8-inch LTG

SGCC #3576 1-inch LTG

SGCC #3644 5/32-inch TTG

ATTACHMENT #5

AFG Fabrication Commercial; Hebron, OH
SGCC #3663 1/8-inch TTG

All Team Glass & Mirror, Ltd.; Woodbridge, ON Canada
SGCC #3656 3/4-inch TTG

Cardinal IG; Vinton, VA
SGCC #3619 3/16-inch TPG

Cardinal IG; Waxahachie, TX
SGCC #3626 7/32-inch LTG
SGCC #3627 1/4-inch LTG
SGCC #3628 11/32-inch LTG
SGCC #3629 3/8-inch LTG
SGCC #3630 1/2-inch LTG

Changshu Xingfu Glass Building Material Co., LTD; Changshu, China
SGCC #3664 5/32-inch TTG
SGCC #3665 5/32-inch TTG

Consolidated Glass Corp.; New Castle, PA
SGCC #3635 5/16-inch TTG

Day Specialties Corporation; Midland, ON Canada
SGCC #3636 3/16-inch TTG
SGCC #3637 1/4-inch TTG
SGCC #3659 5/32-inch TTG

Edge Seal Technologies; Walton Hills, OH
SGCC #3631 1/8-inch TPG

Galaxy Glass Corp., Inc.; Fairfield, NJ
SGCC #3661 1/2-inch LTG

MirrorCrafters Custom Beveling Inc.; Pompano Beach, FL
SGCC #3493 3/8-inch TPG

PPG Inds., Inc.; Wichita Falls, TX
SGCC #3577 5/16-inch TTG
SGCC #3578 3/8-inch TTG

Qinhuangdao Jixiang Glass Industry, Qinhuangdao, China
SGCC #3657 1/4-inch LSP
SGCC #3658 5/32-inch TTG
SGCC #3660 1/4-inch TPG

Shenzhen Sanxin Special Glass Technology Co., Ltd.; Shenzhen China
SGCC #3567 1/4-inch TTG
SGCC #3568 5/16-inch TTG
SGCC #3569 3/8-inch TTG
SGCC #3570 1/2-inch TTG
SGCC #3571 5/8-inch TTG
SGCC #3572 3/4-inch TTG
SGCC #3573 1/2-inch LTG
SGCC #3574 5/8-inch LTG
SGCC #3575 7/8-inch LTG
SGCC #3576 1-inch LTG
SGCC #3644 5/32-inch TTG

ATTACHMENT #5

SGCC Website Report

2006/2007	Total Visitors	Most Visited Section	2 nd Most Visited	3 rd Most Visited	Downloads of CPD	Top Visiting Country
October	2,492	Who's Certified	About SGCC	Initial Certification Process	175	China
November	2,104	Who's Certified	Download Forms	About SGCC	144	China
December	2,810	Who's Certified	Initial Certification Process	About SGCC	140	China
January	2,997	Who's Certified	Download Forms	Approved Labs	91	China
February	2,320	Who's Certified	Approved Labs	Download Forms	181	China
March	3,338	Who's Certified	Download Forms	About SGCC	258	China

SGCC Testing Laboratory Status (as of 4/17/07)

5. *Laboratory agrees that initial approval by the SGCC Certification Committee is contingent upon an initial survey of Laboratory's test facilities by the SGCC. Laboratory agrees to pay the cost of the initial survey and inspection of the testing facilities. Ongoing laboratory approval is subject to approval by the SGCC Certification Committee and shall be for a period of two (2) years. During this period the laboratories facilities shall be re-surveyed and all issues arising from this survey resolved. A fee of \$1000 annually for each facility shall be charged for SGCC Laboratory approval and surveys. This fee shall be waived under the following conditions:*
1. *During the first 2 calendar years of initial SGCC Lab approval.*
 2. *When 5 or more SGCC participating plants have selected the facility as their designated testing laboratory for that year.*
7. *Approval as an SGCC Approved Testing Laboratory may be removed for failure to adhere to any of the above provisions or failure to pay any outstanding fees older than 60 days.*

Company	Location	Date of Initial Approval	Date of Last Inspection	Approved by SGCC	Signed Agreement	Lab fee PAID
Architectural Testing Inc.	St. Paul, MN	10/6/92	11/8/05	4/14/05	9/9/04	
Architectural Testing Inc.	York, PA	6/30/85	3/23/07	4/14/05	10/26/04	
Architectural Testing Inc.	Fresno, CA	11/18/97	9/22/06	4/14/05	9/9/04	
Architectural Testing Inc.	Southlake, TX	7/1/04	3/16/06	4/14/05	6/25/04	\$1000 - Invoiced
Architectural Testing Inc.	Tampa, FL	*	2/22/07	*	1/8/07	
Bowser-Morner, Inc.	Dayton, OH	1991	4/25/06	4/14/05	2/3/06	
Construction Consulting Laboratory West	Ontario, CA	11/19/97	1/27/06	4/14/05	9/7/04	
ETC Laboratories	Rochester, NY	3/8/94	10/13/05	4/14/05	7/30/04	
Fenestration Testing Laboratories	Hialeah, FL	10/2/97	4/13/05	4/14/05	10/22/04	
Intertek	Corland, NY	1981	12/15/06	4/14/05	6/23/04	
Quality Testing, Rone Engineers, Ltd.	Everett, WA Dallas, TX	10/14/97 3/31/00	12/14/06 3/16/06	4/14/05 4/14/05	2/2/06 7/14/04	\$1000 - Invoiced
Stork-Patzig Testing Laboratories	Des Moines, IA	6/11/99	5/13/05	4/14/05	4/4/05	
Stork-Southwestern Laboratories	Houston, TX	1/15/90	3/13/06	4/14/05	7/15/04	

* Final approval by vote of certification committee

ATTACHMENT #7

ASC Z97 Update

SGCC Meeting March 21-22, 2007 Chicago, IL

Last meeting held on March 21, 2007 in Baltimore, MD

- Next meeting: Teleconference end of May (TBC)

Membership

- 40 primary members; 28 alternates; 3 observers
- 3 additional members currently out for ballot to the full consensus body (due May 14th)

Technical Interpretation TT-04.06.001

- Issued December 13, 2006
- Reference section 4.3
 - Minimum size for testing compliance to be 16" x 30"

Website www.ansiz97.com

Scope Committee Task Group

- At the March 21st meeting, during the Ballot Resolution process for:
 - Removal of Class C
 - Retention
 - Monolithic Glass
- It was determined that there was not Due Process and all ballots went back to the Task Group
- Currently a ballot out to the full consensus body for the approval of the members of all task groups (Due May 14th)
- Teleconference was held on April 13, 2007
 - Task Group sent out a survey to the full consensus body for further input regarding the title and scope – due back by May 10th to Valerie Block
- Next teleconference scheduled for May 16th

Testing Requirements and Acceptance Criteria (TRAC) Task Group

- First meeting teleconference held February 23, 2007 and working groups were formed:
 - Center Punch Fragmentation
 - Mode of Breakage
 - Ball Drop
 - Impactor
- At the March 22nd ASC Z97 Meeting in Baltimore the working groups reviewed their progress
 - Ball Drop – Remove out of the objective of the TRAC Task Group
 - Impactor – Defer until next revision cycle
 - Weathering – working group formed
- Working Group for Weathering/Indoor Aging/Flexural Modulus/Rockwell Hardness Testing held a teleconference April 10, 2007 – revisions are underway

Steering Committee

- Met at the ASC Z97 Full Consensus Meeting on March 22nd
- Teleconference was held March 29th – added ‘Title’ to the Scope Task Group objectives
- Next meeting scheduled April 26th proceeding the SGCC B.O.D. meeting in Chicago – review/revise ASC Z97 Procedures

Program Testing Results

	Selections (Certification Period)							F07 (as of 4/20/07)	
	Total	2000	2001	2002	2003	2004	2005		2006
Total Tempered Products	Total	1281	1373	1470	1536	1620	1729	2089	
	Participant	925 (72)	755 (55)	627 (43)	365 (24)	682 (42)	925 (54)	851 (41)	
	Inspector	356 (28)	618 (45)	843 (57)	1171 (76)	938 (58)	804 (46)	1238 (59)	
Total Laminated Products	Total						86 (5)	131 (6)	
	Total	21 (1.6)	33 (2.4)	26 (1.8)	31 (2)	36 (2.2)	31 (1.8)	65 (3.1)	18
	Participant Selected	7 (33/.5)	25 (76/1.8)	21 (81/1.4)	17 (55/1.1)	24 (67/1.5)	20 (65/1.2)	54 (83/2.6)	16
Product Failures (Calendar Year) % Total Failures/% Total Products	Inspector Selected	14 (67/1.1)	8 (24/.6)	5 (19/.4)	14 (45/.9)	12 (33/.7)	11 (35/.6)	11 (17/.5)	2
	34x76	20 (95/1.6)	30 (91/2.2)	23 (88/1.6)	16 (52/1)	25 (69/1.5)	30 (97/1.7)	61 (94/3)	14
	Odd Size	1 (5/1.1)	3 (9/.2)	3 (12/.2)	14 (45/.9)	6 (17/.4)	0	4 (6/.2)	4
Tempered Failures	16x30			0	1 (3/1.1)	5 (14/.3)	1 (3/1.1)	0	0
Laminated Impact Failures					24 (67/1.5)	4 (11/.2)	5 (16/.2)	8 (12/.4)	5
Laminated Boil Failures					8 (22/.5)	1 (3.2/1.1)	9 (14/.4)	3	

Proposal for Certification of Laminated Glass

(Subcommittee: Don Wild, Rick Wright, Cliff Monroe)

Certification of laminated glass shall fall within two (2) thickness categories based on total glass nominal thickness, excluding the interlayer.

Categories: (See table below): Standard (S) = ≤ 0.359 ($\approx 10\text{mm?}$)
Heavy (H) = ≥ 0.360

ASTM C1036 Designation	Thickness		Thickness of 2 lites of glass		Categories
	Min	Max	Min	Max	
single	0.085	0.101	0.170	0.202	
2.5mm	0.091	0.106	0.182	0.212	
lami	0.102	0.114	0.204	0.214	
2.7mm	0.098	0.114	0.196	0.228	
1/8"	0.115	0.134	0.230	0.268	
3mm	0.110	0.126	0.220	0.252	
5/32"	0.149	0.165	0.298	0.330	
4mm	0.150	0.165	0.300	0.330	0.359
3/16"	0.180	0.199	0.360	0.398	0.360
5mm	0.189	0.208	0.379	0.416	And Greater
7/32"	0.200	0.218	0.400	0.436	
5.5mm	0.209	0.224	0.418	0.448	
1/4"	0.219	0.244	0.438	0.488	
6mm	0.228	0.244	0.456	0.488	
5/16"	0.292	0.332	0.584	0.664	
8mm	0.303	0.326	0.606	0.652	
3/8"	0.335	0.406	0.670	0.812	
10mm	0.382	0.406	0.764	0.812	
1/2"	0.469	0.531	0.938	1.062	
12mm	0.461	0.484	0.922	0.968	

Guidelines:

- 1) Initial testing shall be on the thinnest interlayer and thinnest glass thickness produced within the thickness category and shall certify all overall thickness's of equal or greater interlayer thickness within the thickness category and generic type of interlayer.
- 2) Each generic type of interlayer shall be certified separately (i.e. PVB, Ionoplast, Liquid Resin, PU, EVA, Other).
- 3) Any interlayer supplier within a generic category can be certified.
- 4) For ongoing testing, SGCC shall select one laminate in each thickness category in each generic interlayer type.
- 5) SGCC product selection and testing shall be once per year.
- 6) Delete current SGCC guideline L.3, L.4, L.7 (first par.). Verify. Later
- 7) SGCC Labeling Guidelines shall apply with the addition of the thickness category, S or H.

ATTACHMENT #9

Sample CPD Listing:

SGCC#	TEST STD	INCH	MM	TYPE	MAX SIZE	ANSI CLASS
5555	Composite	S	-	LTG (b)(.015)(C1)	U	B
6666	Composite	S	-	LTG (b) (.030)	U	A
7777	Composite	S	-	LTG (b) (.030)	U	A
8888	Composite	H	-	LTG (b) (.030)	U	A
9999	Composite	S	-	LTG (1) (.030)	U	A

Issues to Resolve:

- 1) CPSC 16 CFR 1201.4(c)(2) "Specimens shall be tested for each nominal thickness offered by the manufacturer." This works for tempered glass, but not for laminated glass, as the possible thickness variations are essentially unlimited. Therefore, based on historical testing data, SGCC has established two (2) thickness categories for each generic interlayer type.
- 2) Do we provide a fractional or metric nominal value, or do we just list the thickness category? The way the current SGCC database is structured, we need to provide a metric nominal thickness. Address later.

SGCC Label Content and Testing

1. Question was raised, if the Building code(s) require the "type of glass" on a label (presumably laminated or tempered) shouldn't also SGCC?
 - Consider revision to SGCC label requirements (3rd sentence):

“These requirements are minimum requirements for SGCC Certification. Other jurisdictions, standards and codes may have additional requirements such as type of glass.”
2. Some companies certify to Composite, but only label with ANSI or CPSC. This has been deemed acceptable by SGCC. In certain situations the company may seldom, if ever label with both standards, but want the ability to, should need arise. When SGCC testing to composite, even if the label only includes say CPSC, we have accepted the label and directed testing to composite.
 - Is this practice acceptable?
 - If ANSI requires labeling, can a lab write a report indicating compliance with ANSI when no ANSI label exists?
 - What about Prototype testing? A company cannot label to ANSI until testing has passed, but you can't comply with ANSI without labeled product?
 - Should ANSI as a test method not address labeling?

Labeling

	SGCC	ANSI Z97.1 84/R94	ANSI Z97 2004?	CPSC 16 CFR 1201	CAN/CGSB 12.1-M	IBC 2003
Label Required	Yes	Yes	Yes	Certificate or label	Yes	Temp.=label Other=Certificate
Mfg name or logo or place of mfg.	As Code	Yes	Yes	Yes	Yes	Yes
Standard reference	Yes	Yes	Yes	Yes	Yes	Yes
Thickness	Yes	Yes				Maybe
Size Class	Yes	Yes	Yes		Yes	
Date of Mfg				Yes		
Impact Class			Yes		Yes	
Certification ID #	Yes					
Type of Glass	As Code					Maybe

Thickness Range Outside ASTM C1036

- SGCC Has been asked to re-evaluate this topic
- Guidelines Referenced:

G.29

For the purposes of certification, the thickness requirements of Specification ASTM C1036 shall apply.

TP.1

For the purposes of certification, the nominal thickness of patterned, figured, or rough rolled glass are the common fractions found in ASTM C1036 and the thickness should be measured in accordance with the procedure as described in ASTM C1036, current revision. The permanent label must contain this fraction on a metric or decimal dimension within the tolerance of this thickness as published in ASTM C1036....

- Prior Meeting Minutes:

4.27.06.12 **Quick Action Sub-Committee Report and Certification of Products Not Included in ASTM C1036**

(See Attachment #11 and #12)

Concern has been expressed as to how a product that does not meet US thickness tolerance ranges should be addressed in the SGCC certification program. Products produced outside the US, such as European patterned glass do not always conform to the thickness tolerances as listed in ASTM C1036. The SGCC Quick Action committee reviewed and ruled on this issue earlier this year concluding, “*Glass certified in the SGCC program must meet ASTM C1036*”.

4.28.06.2 Discussion continues regarding the Quick Action Sub-Committee report and certification of products not included in ASTM C1036. SGCC guideline G.29 was considered for the following revision:

DRAFT revision to guideline G.29

For the purposes of certification, the thickness requirements of Specification ASTM C1036 or equivalent CEN, ISO or other recognized thickness specifications shall apply.

After continued discussion, the matter was tabled for later discussion.

From: AMS Staff

Sent: Thursday, December 14, 2006 2:53 PM

Attachment #13

To: Bernie Herron; Carl Carmen (ccarmen@egcglass.com); dvidd@buckeye-express.com; junewillcott@bellsouth.net; kolah@guardian.com; lkrohnberg@viracon.com; mark_cody@afg.com; peter.weismandle@som.com; rodmanngp@earthlink.net; Tim Moore; wnutgent@wje.com

Subject: Limited Size Testing

TO: SGCC BOARD

This is to inform you of the latest activity regarding the issues that arose at the last SGCC meeting regarding certification of samples less than the ANSI Z97.1-2004 minimum of 24 X 30-inches. Mark Cody, Certification Chair and I have been working since the last meeting to clarify this issue. This effort resulted in a conference call of the ANSI Z97.1 steering committee on 12/13/06. At this meeting a motion was made and approved that provides the following interpretive ruling:

Render an interpretive decision that the minimum size as stated in the standard is a recommended dimension. Although difficulty exists in testing smaller specimens, when product processing limits the size of the test specimens, sizes as small as 16" x 30" (406 mm x 762 mm) may be tested.

With this clarification, all currently SGCC certified products are within the 16-inch width dimension. If anyone has any questions or concerns, please feel free to contact Mark or I any time.

Best,

John G. Kent

SGCC Administrative Manager

P: (315) 646-2234

F: (315) 646-2297

Agenda Item C16 - SGCC Report Delays

(Based on 3 examples specifically noted and 17 others randomly pulled)

SGCC #	Selection Date	Lab Received Date	Test Date	Days Between Received Date and Test Date	Report Date	Days Between Test Date and Report Date	Report Received By SGCC Date	Days Between Report Date and SGCC Received Date
	10/12/06	11/14/06	11/24/06	10	3/6/07	102	3/8/07	2
	10/12/06	11/14/06	11/24/06	10	3/6/07	102	3/8/07	2
	10/12/06	11/14/06	11/24/06	10	3/6/07	102	3/8/07	2
	12/7/06	12/11/06	1/12/07	31	2/28/07	46	3/2/07	2
	9/13/06	9/28/06	11/23/06	55	12/7/06	14	12/13/06	6
	7/21/06	7/28/06	8/16/06	18	9/29/06	43	10/7/06	8
	12/8/06	1/24/07	1/31/07	7	2/12/07	12	2/19/07	7
	12/20/06	1/8/07	2/1/07	23	2/13/07	12	3/18/07	35
	11/3/06	12/5/06	1/21/07	48	2/15/07	25	3/19/07	34
	12/8/06	12/21/06	1/25/07	34	1/29/07	4	2/13/07	15
	9/7/06	9/22/06	11/16/06	54	11/20/06	4	12/18/06	28
	9/8/06	9/27/06	1/15/07	108	1/16/07	1	1/31/07	15
	10/6/06	10/10/06	1/12/07	92	1/16/07	4	1/26/07	10
	10/20/06	11/20/06	1/3/07	43	1/12/07	9	2/1/07	20
	12/27/06	1/29/07	2/9/07	11	2/16/07	7	2/19/07	3
	12/7/06	12/11/06	1/8/07	27	2/2/07	24	2/9/07	7
	11/2/06	11/20/06	2/26/07	96	2/27/07	1	3/1/07	2
	12/7/06	12/16/06	1/16/07	30	2/9/07	23	2/15/07	6
	12/4/06	1/25/07	2/6/07	12	2/14/07	8	3/19/07	35
	10/18/06	12/4/06	1/3/07	30	1/12/07	9	2/1/07	20

Issue was raised that some labs have had a delay between the test date and the report date. It has been suggested that a financial penalty might be imposed for certain delays.

NOTE: Sometimes labs will do 1 or 2 groups of glass out of the 6 or more sets because of test size (frame changes) and hold those reports to send all together.

Attachment #14

Certification of Shapes

- Does SGCC certification cover shapes and notches?
- Proposed New Guideline for Tempered:

G XX

Samples of any shape or shape altering process such as notches or holes shall be covered by the certification of the base rectangular product. Certification to "U" unlimited size may be any size. Certification to "L" limited size requires that the shape must fit within the outline of the largest certified size.

- What about laminated and other products?

Certification to Canadian Standards Can CGSB 12.1 (Tempered and Laminated)

- Several SGCC participants have expressed interest in certification to Canadian requirements, namely Can CGSB 12.1. This can usually be done in coordination with normal SGCC testing. Might SGCC wish to facilitate this activity and “Certify” to the Canadian standards along with ANSI and CPSC?
- At present, some companies who need some form of compliance documentation to the Canadian standards have submitted samples for SGCC. The lab will test the samples for SGCC, and in addition to the normal SGCC process, write a separate report validating compliance to the Canadian requirements.
- Current Canadian requirements
 - Glass for use in buildings must comply with applicable Codes (Provincial, regional)
 - Typically identical to NBCC “National Building Code of Canada”
 - NBCC states Glass must comply with CGSB standards
 - NBCC requires compliance, but does not state how to demonstrate
 - Typically Manufacturers “Self Declare” or label compliance
 - Building Inspectors generally accept this self marking
- Issues to consider
 - Currently SGCC only approves labs in US
 - Might SGCC need to gain SCC accreditation?

Certification of Leaded Patterned Glass

- Is this product still applicable to the standard and certification?

Guideline references

G.20

For certification purposes, a panel of glazing material composed of multiple components (such as leaded glass) may be tested and interpreted as a unit.

LEADED PATTERNED ANNEALED GLASS - (ANSI ONLY)

LG. 1

Certification of one leaded patterned glass (annealed) may be extended to cover other patterns (on the glass surface) provided:

- a) The nominal thickness of the proposed alternate and all aspects other than pattern are the same as the certified product.
- b) The Administrator of the Certification Program is provided with a copy of a prototype test from an approved laboratory, showing satisfactory compliance with the impact requirements of ANSI Z97.1 for each alternate pattern proposed.
- c) The Certification Committee is provided with a 6 inch by 6 inch sample of each proposed alternate for its record and file. This must be sent to the Administrator of the Certification Program.
- d) After admission under blanket certification covering leaded patterned glass (annealed), any such patterns available may be selected by the Administrator for routine sampling.

LG. 2

Certification of one diamond shaped leaded patterned glass (annealed) may be extended to cover other sizes of diamonds provided:

- a) All aspects of the product except diamond size is the same as the certified product.
- b) The Administrator of the Certification Program is provided with a copy of a prototype test from an approved laboratory, showing satisfactory compliance with the impact requirements of ANSI Z97.1 for each alternate size diamond proposed.
- c) The Certification Committee is provided with a 6 inch by 6 inch or a proper and representative sample of each proposed alternate for its record and file. This must be sent to the Administrator of the Certification Program.

After admission under blanket certification, any such size diamond available may be selected by the Administrator for routine testing.

LG. 3

For leaded diamond patterned glass (annealed) the tolerance for diagonal canning center dimensions shall be plus or minus 12 percent.

Prototype samples must have diagonal canning center dimensions 10 percent greater than nominal. Diamond size listed in the Certified Products Directory shall be nominal dimensions.