



safety glazing certification council

P.O. BOX 730
SACKETS HARBOR, N. Y. 13685
PHONE 315-646-2234
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MINUTES OF NINETY-SEVENTH MEETING OF THE CERTIFICATION COMMITTEE MEETING August 20th - 21st, 2024 All times Eastern Hybrid – Clayton, New York

Attendance Key

X	In Attendance with voting rights
Present	In Attendance
Absent	Not Present
Virtual	Online GoToWebinar
Virtual-X	Online BOD Member with voting rights

Members and Alternates Present

American Glass Tempering and Fabricators, Inc.	Jessica Lopez
Cardinal Glass Industries	Mark Cody
Cardinal Glass Industries	Carey Wallace
Consolidated Glass Corporation	Lindsey Merryman
Eastman Chemical Company	Julia Schimmelpenningh
Guardian Glass	Jon Griggs
Intigral, Inc.	Mark Hutchinson
Intigral, Inc.	Adina Dobre
Oldcastle BuildingEnvelope®	Rick Wright
Oldcastle BuildingEnvelope®	Mark Le Munyon
Oldcastle BuildingEnvelope®	Bob Jackson
Safty First	Sean Ross
SAGE Electrochromics Inc.	Kyle Caldwell
SAGE Electrochromics Inc.	Manish Yadav
Trulite Glass and Aluminum Solutions	Jeffery Haberer
Trulite Glass and Aluminum Solutions Canada	Ray Wakefield
Trulite Glass and Aluminum Solutions	DJ Weil
Viracon	Brian Louks
Vitro Architectural Glass	Philip Trivette
Vitro Architectural Glass	Paul DiCesare

Date and Votes Present

8/20/2024	8/21/2024
Virtual	Virtual
X	X
Present	Present
Virtual	Virtual-X
X	X
X	X
X	X
Present	Present
X	X
Present	Present
Present	Present
Virtual	Virtual
Virtual	Absent
Virtual	Absent
Absent	Absent
Present	Present
X	X
Virtual - X	Virtual - X
Virtual	Absent
Absent	Virtual

Members by Virtue of Being a Director

Public Interest	Patrick Loughran
Public Interest	Peter Weismantle
Public Interest	June Willcott
Public Interest	Bill Nugent

Date and Votes Present

8/20/2024	8/21/2024
Virtual-X	Virtual-X
X	X
X	X
Virtual-X	Virtual-X

Votes

11

12

Guests

ArentFox Schiff LLP	David McHugh
Construction Consulting Laboratory	Jack Jackson
Construction Consulting Laboratory	Cheyenne Jackson
Element Materials Technology	Austin Heiselman
Intertek	Kenny White
Intertek	Chris Chang
Intertek	Virgal Mickley
National Glass Association	Urmilla Sowell
Canadian Glass Committee Chair	Margaret Webb

Date and Present

8/20/2024	8/21/2024
Present	Absent
Present	Present
Present	Present
Virtual	Absent
Present	Present
Virtual	Virtual
Virtual	Virtual
Present	Present
Absent	Virtual

Administrative Staff

		Date and Present	
		8/20/2024	8/21/2024
AMS, Inc.	John Kent	Present	Present
AMS, Inc.	Terry Schaefer	Present	Present
AMS, Inc.	Kristin Best	Present	Present
AMS, Inc.	Katrina Stafford	Present	Present
AMS, Inc.	Mitch Majewski	Present	Present
AMS, Inc.	Sara Connor	Present	Present
AMS, Inc.	Kaileigh Clary	Present	Present
AMS, Inc.	Lindsay Bova	Present	Present
AMS, Inc.	Scott Kennett	Present	Absent
Persons Present		27	25
Total Attendance (including Virtual)		39	35

MOTIONS

Agenda Item #	Ref #	Motion/Second	Motion	Vote ¹	P/F ²
4 Minutes	8.20.24.1	Mark Hutchinson/ Ray Wakefield	Approve the minutes from the September 12 th – 13 th , 2023 meeting.	UA	P
9a Laboratory	8.21.24.1	Peter Weismantle/ DJ Weil	Approved <i>Molimo Springdale, PA</i> as a new SGCC approved testing laboratory following the resolution of any open Lab Corrective actions and payment.	UA	P
12c SGCC Lab Manual	8.21.24.2	DJ Weil / Peter Weismantle	<p>Motion to approve Option 2 overdue test report turnaround time as states effective January 1, 2025.</p> <p>A.12:</p> <p style="text-align: center;"><u>OPTION 2</u></p> <p style="text-align: center;">Percentage penalty on test fees based on delinquency beyond 30 days.</p> <p>A.12 Test Reports (formerly Instruction G.4)</p> <p>- Test reports of Certified SGCC Products must be provided to the administrative office, to no one else, and no later than thirty (30) days after receipt of test samples or authorization from SGCC to test. Test reports that fail to meet 60-days shall incur penalty fees of 5% per test for each week overdue.</p> <p style="padding-left: 40px;">Failure to meet a 6-month average test report turnaround time of 90-days shall be recommended to the Laboratory and QA Inspection Subcommittee for removal from the SGCC Approved Lab List.</p>	UA	P

¹Vote = Approve / Oppose / Abstentions

²P/F = Pass / Fail

UA = unanimous

ASSIGNMENTS & DISCUSSIONS (Action Items)

No./Topic	Assigned	Details	Due Date
Website	AMS – Marketing SC	Ability to search for Deactivated/Decertified SGCC numbers on the public website.	
Program Testing Results	AMS	Add footnote to the CIP charts include “Sets” tested. Include watermark on the charts with new approved disclaimer.	ASAP
13a Laminated	AMS – Lami SC	Agenda item 13a was deferred to the Laminated Subcommittee. Clarify test sample construction as per ANSI Z97.1 interlayer testing and equivalency of model formulation.	2 nd half of 2024
	All	<u>2025 Meeting</u> Fort Worth, TX Date September 23 rd & 24 th	
	All	<u>2026 Meeting</u> Tampa FL Dates TBD	

Attachments are included with initial meeting material or attached hereto if changed during the meeting.

Certification Committee Meeting Agenda

Business Reports

1. Call to Order and Self Introduction of Participants and Guests – 1:00pm
2. Voting Rights and Responsibilities
3. Legal Counsel's Report – David McHugh, legal counsel for SGCC, reviewed the anti-trust Guidelines and legal report with participants at the meeting and allowed time for further questions and discussion.
4. (M) Review and Approval of Previous Meeting Minutes
5. Committee Structure
6. Board of Directors Report – June Willcott
7. Administrative Report
8. Quick Action Sub-Committee Report – **END OF DAY 1 @ 3:31pm**

Topics

9. Testing Laboratories
 - a. (M) Laboratory Status
 - b. (M) SGCC Lab Manual
 - c. IA Training Update
10. GICC Update – Urmilla Sowell
11. ANSI Z97.1, CPSC, CAN/CGSB 12.1 – Katrina Stafford & Margaret Webb
12. Program Testing Results Review
 - a. Coated Glass
13. (M) Laminated Safety Glass
 - a. Update
 - b. History of Laminated Glass – Julia Schimmelpenningh
14. Marketing subcommittee
15. Old/New Business
16. Next Meeting - Adjourned Day 2 – 12:02pm



**2024 SGCC®
CERTIFICATION
COMMITTEE
MEETING**

August 20-21, 2024

Certification Committee Schedule

Day 1 – Tuesday August 20th

- 1:00 – 3:45pm (Eastern) SGCC Certification Committee Meeting
- 3:45 – 4:00pm (Eastern) SGCC Participants Meeting
- 4:30 – 6:00pm (Eastern) Boat Ride (Pick-Up & Drop Off at Hotel)
- 6:30 – 9:30pm (Eastern) In Person Reception (On-Site)

Day 2 – Wednesday August 21st

- 7:30am – 8:00am (Eastern) Breakfast Provided
- 8:00am – 12:00pm (Eastern) SGCC Certification Committee Meeting

Hybrid Meeting Ground Rules

- We have microphones around the room, please speak into the mic when talking so in-person and virtual attendees can hear the correspondence clearly.
- We will start people unmuted. If background noise becomes too great, we will mute people, and you'll need to unmute again to speak.
- How to be recognized (raise hand or type question in the chat)
- **Virtual voting is permitted for Board Members only, others must be present in person.**
- Session IS **NOT** being recorded
- The presentation material was sent out prior to the meeting, but can also be downloaded for virtual attendees or printed booklets for In-person attendees
- Roll call and introductions In Person – please sign attendance sheet, GoToWebinar will be used for virtual attendees

SGCC - GoToWebinar

Once the meeting begins, we will ask everyone to **Mute** themselves.
How to ask a question?

1. If it is a time for questions **Unmute** yourself and speak accordingly.

2. During the presentation you may also use the “**Raise your hand**” feature and we will verbally open the floor to your question or comment at which time you can **unmute** yourself.

3. Or you can type your question in the “**Questions**” chat box:

Webcams are disabled



Open/Close Control Panel

Mute / Unmute

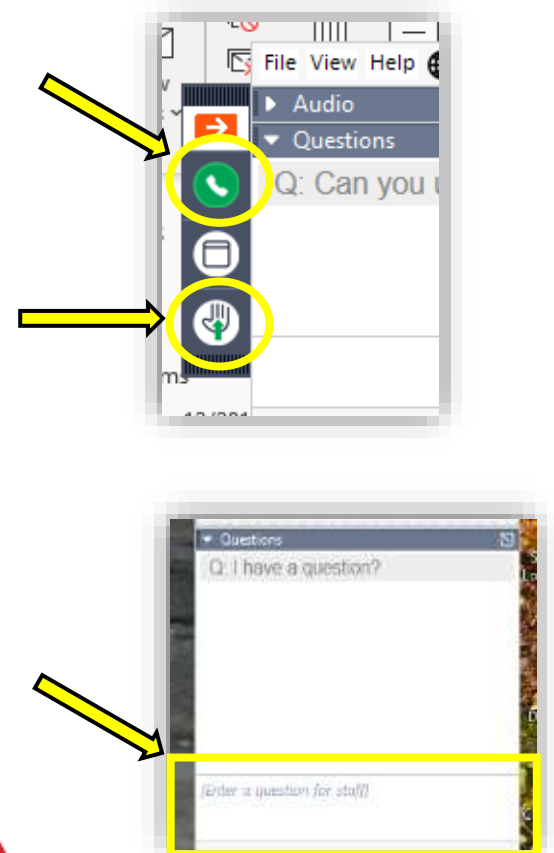
Toggle Fullscreen

“Raise/Lower your hand”

Download/Open a Handout
Material that we will be going over during the meeting

Expand/Collapse Control Options (○)

Submit Questions to Staff



Meet Our Team...

“The truth is that teamwork is at the heart of great achievement.”
– John C. Maxwell



John Kent
SGCC Administrative Manager



Terry Schaefer
Vice President
Co-Administrative Manager
Tschaefert@amscert.com



Katrina Stafford
AMS Quality Management
System
kstafford@amscert.com



Kristin Best
Program Manager
kbest@amscert.com



Kelly Jenness
Auditor Coordinator
kelly@amscert.com



Ken Potter
Software Development
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Sara Connor
Day to Day
Program Coordination
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Lindsay Bova
Day to Day
Program Coordination
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Kaileigh Clary
Day to Day
Program Coordination
kclary@amscert.com



Olivia Aubin
Audits & Lab Liaison
Interactive Animation
oaubin@amscert.com



Mitch Majewski
Interactive Animation
Software Development
mmajewski@amscert.com

1. Call to Order and Agenda – SGCC Certification Committee

BY DIRECTION OF: MARK B. CODY, SGCC CERTIFICATION COMMITTEE CHAIRMAN

Business Reports

1. Call to Order & Self Intro. of Participants and Guests
2. Voting Rights and Responsibilities
3. Legal Counsel's Report
4. (M) Review and Approval of Previous Meeting Minutes
5. Committee Structure
6. Board of Directors Report
7. Administrative Report
8. Quick Action Sub-Committee Report

Topics

9. Testing Laboratories
 - a. (M) Laboratory Approval Status
 - b. (M) SGCC Lab Manual
 - c. IA Training Update
10. GICC and Code Activity Update – Urmilla Sowell, NGA
11. ANSI Z97.1, CPSC, CAN/CGSB 12.1 – AMS / Marg Webb
12. Program Testing Results Review
 - a. Coated Glass
13. Laminated Safety Glass
 - a. Update
 - b. History of Laminated Glass – Julie Schimmelpenningh
14. Marketing Subcommittee
15. Old/New Business
16. Next Meeting

2. Determination of Quorum, Voting Rights



Excerpt from SGCC By-Laws

Purpose of SGCC

1. To promote public safety by encouraging maintenance of the highest standards of excellence in the manufacture of safety glazing materials.
2. To encourage and cooperate in developing standards related to other performance characteristics of glazing products.
3. To plan, organize, direct, coordinate and maintain a certification program for glazing materials to assure that glazing products meet applicable standards or performance requirements, adopted or approved by the Council.

Certification Committee Voting Eligibility

- Board members
- Licensees (Certified Products)
- Participants (w/ Signed Agreement)

Quorum

- 10 Certification Committee members

3. SGCC Legal Counsel Report



ArentFox
Schiff

ArentFox Schiff LLP
Attorneys

David P. McHugh

Partner, Executive Committee Member and Corporate & Securities

Practice Leader

Chicago, IL

david.mchugh@afslaw.com

1-312-258-5668



2. Legal Report

SGCC Antitrust Compliance Program 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.

[Link to SGCC Antitrust Guideline](#)



4. Approval of 2023 Meeting Minutes

Motions

Agenda Item #	Ref #	Motion/Second	Motion	Vote A/N/A	P/F
5 Minutes	9.12.23.1	June Willcott / Michelle Phan	Approve the minutes from the October 4 th – 5 th 2022 meeting.	UA	P
12a Laboratory	9.12.23.2	June Willcott / Bill Nugent	Re-approve the list of SGCC approved testing laboratories as presented for another 2-year period contingent on continued performance and compliance to SGCC requirements.	UA	P
12c SGCC Lab Manual	9.12.23.3	Mark Hutchinson / Rick Wright	<p>Approved the Lab Manual changes (in blue) as presented below:</p> <ul style="list-style-type: none"> Added to C.10 Product Failure: Example photo shown, photos should include a form of reference scale (e.g., ruler, tape measure, forensic ruler, etc.) <u>D.9 Laboratory Technician training</u> – Per the minutes 10.3.18.3 of the Certification Committee meeting, it is mandated that any technicians either signing SGCC test reports (excluding Professional Engineer (P.E.)), or performing SGCC testing, are required to take and pass annually (Passing requirements = 100%) the SGCC Laboratory Interactive Animation training exam. Implementation of these changes were effective 1/1/2020. 	UA	P
13 Laminated Safety Glass	9.13.23.1	June Willcott /Michelle Phan	Approved to allow existing certified laminated product report(s) to be utilized for reconfiguration under the new laminated certification guidelines regardless of age of the report provided that all necessary information is reported.	UA	P
13 Laminated Safety Glass	9.13.23.2	Rick Wright / Michelle Phan	Approved implementation of laminated glass certification as outlined with the Guidance for the SGCC Certification of Laminated Glass_2023-03-23 rev May 2023. (Attachment A)	UA	P

4. Approval of 2023 Meeting Minutes

Assignments

Motion to approve the minutes from the September 12th – 13th, 2023 meeting.

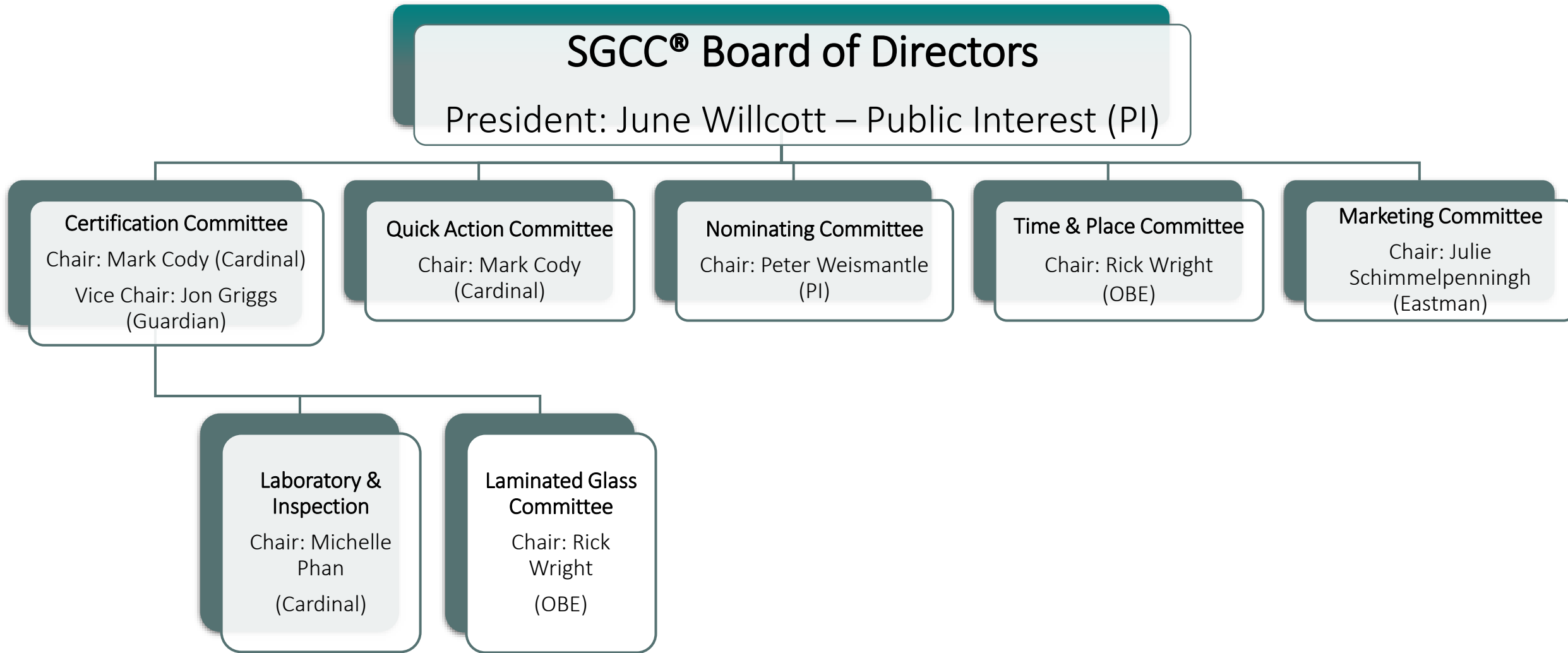
Motion
1st: Mark Hutchinson
2nd: Ray Wakefield
Vote: **UA Pass**

[Link to Full Meeting Minutes:](#)

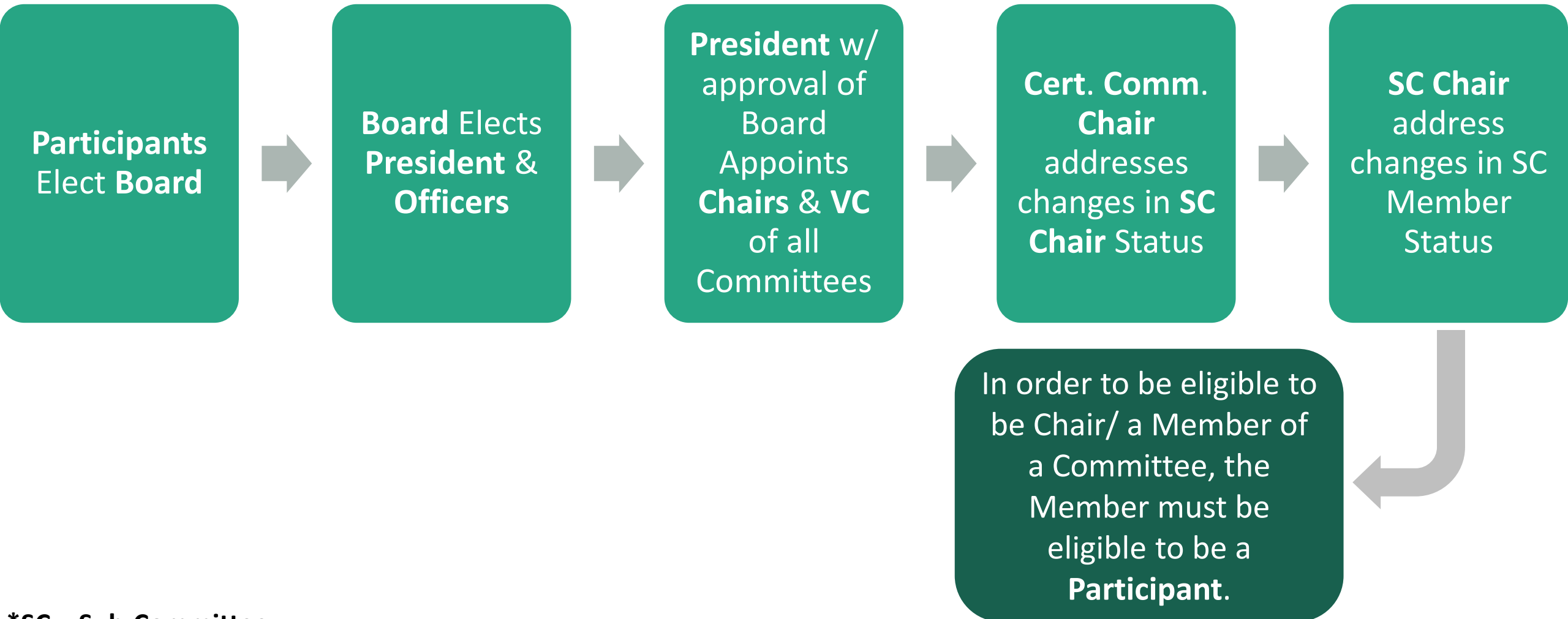


No./Topic	Assigned	Details	Due Date
2		Reviewed and determined quorum	
3 Legal Report	David McHugh	David McHugh, legal counsel for SGCC, reviewed the anti-trust Guidelines and legal report with participants at the meeting and allowed time for further questions and discussion.	
6 Committee Structure	AMS	Need to adjust the committee structures removing Elaine and updating Chairs. Time & Place – Rick Wright as Chair, add Julia Schimmelpenninck as a member Marketing – Julia S. as Chair, add Urmilla Sowell, Kyle Zink, Mark Hutchinson as members Lab & QA Inspection – Add Kenny White, Adina Dobre as members	ASAP
11	Program Testing Results	Agreed to display program testing results review within the CIP (restricted access / behind username and password). Need to include appropriate explanation/disclaimer on what users can and cannot do with the information and how it aligns with SGCC's purpose. Review charts and appropriate wording with the Board before making it available in the CIP.	ASAP
12c	AMS/ Lab SC	Schedule Laboratory Subcommittee meeting to discuss: <ul style="list-style-type: none"> SGCC specimen breakage, Additional ways to track and notify Staff and Licensee of glass tracking. Measuring interlayer thickness New laminated glass changes and how this will affect testing facilities (i.e. Glass Kind tracking and recording). 	
13	AMS	Updated Guidance for the SGCC Certification of Laminated Glass_2023-03-23 document to include 0.075in and 0.090in within Table 3: Typical Interlayer Nominal Thickness.	
14	AMS	Continue collecting Coated Glass testing results. Present Coated Glass failure by type (Hard Coat vs. Soft Coat).	Lab SC & AMS
	Guest Speaker	Request a presentation on VIG.	Next Annual Meeting
	All	2024 Meeting Week of August 19 th Clayton, New York	
	All	2025 Meeting Fort Worth, TX Date TBD	

5. Committee Structure



5. Committee Structure



***SC = Sub-Committee**
VC = Vice Chair

5. Committee Structure



SGCC Board of Directors	President: June Willcott
Staff Contact: Terry Schaefer	
Scope: The overall affairs of the Council shall be managed by its Board of Directors.	
Members	
<u>Public Interest</u>	<u>Business Community</u>
June Willcott - President	Rick Wright - Vice President/Treasurer
Peter Weismantle	Mark Hutchinson
William Nugent	Jeff Haberer - Secretary
Patrick Loughran	Mark Cody
	Brian Louks

Sub Committee: Certification Committee	Chair: Mark Cody
Staff Contact: Kristin Best	Vice Chair: Jon Griggs
Scope: It shall be the duty of this Committee to formulate, review, administer and apply a certification program for the Council.	
Members	
All Licensees and Board Members	

Sub Committee: Quick Action	Chair: Mark Cody
Staff Contact: Katrina Stafford	Vice Chair: ?
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	June Willcott
Certification Committee Chair	Mark Cody
Public Interest	Patrick Loughran

5. Committee Structure



Sub Committee: Time and Place	Chair: Rick Wright
Staff Contact: Kelly Jenness	Vice Chair: ?
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: Sub-Committee of the Certification Committee	
Julia Schimmelpenningh	

Sub Committee: Marketing	Chair: Julia Schimmelpenningh
Staff Contact: Terry Schaefer	Vice Chair: ?
Scope: Formulate and maintain SGCC marketing plan, and website, and any other promotional activity that may arise.	
Members: Sub-Committee of the Board	
Rick Wright – Oldcastle BuildingEnvelope®	June Willcott – Public Interest
Mark Cody – Cardinal	Urmilla Sowell – NGA
Peter Weismantle – Public Interest	Kyle Zink – Midwest Glass Fabricators, Inc.
Mark Hutchinson – Intigral, Inc.	

Sub Committee: Laboratory and QA Inspection	Chair: Michelle Phan - Cardinal
Staff Contact: Katrina Stafford	Vice Chair: ?
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: Sub-Committee of the Certification Committee	
Mark Cody – Cardinal	Mark Hutchinson – Intigral, Inc.
Rick Wright – Oldcastle BuildingEnvelope®	DJ Weil – Trulite
Brian Louks – Viracon	Bill Nugent – Public Interest
Julie Schimmelpenningh – Eastman	Urmilla Sowell – NGA
Tim Moore – W. A. Wilson Inc.	Kenny White – Intertek
Adina Dobre – Intigral, Inc.	Sean Ross – Safti First

5. Committee Structure



Sub Committee: Nominating	Chair (Public Int.): Peter Weismantle	Vice Chair (Industry Int.): Rick Wright
Staff Contact: Kristin Best		
Scope: The Nominating sub committee is a subcommittee of the Board and appointed by the President to research and present a slate of SGCC Board nominees and officers for the annual SGCC participants meeting.		

Sub Committee: Laminated Glass Review	Chair: Rick Wright – OBE
Staff Contact: Kristin Best	Vice Chair: ?
Scope: Review SGCC guidelines for the certification of Laminated Glass	
Members: Sub-Committee of the Certification Committee	
Julie Schimmelpenningh – Eastman	Vaughn Schauss – Kuraray
Brian Louks – Viracon	Michelle Phan – Cardinal
Tim Moore – W. A. Wilson Inc.	Mark Cody – Cardinal
DJ Weil – Trulite	Urmilla Sowell – NGA
Robert Carlson – Tristar Glass	

6. Board of Directors Report



June Willcott – President



1. Review of Board Membership and Status



2. Financial Matters



3. ANSI/ISO 17065 Accreditation Status



4. Designated Expenditures



5. Marketing

7.

Administrative Report

Certified Products Directory (CPD)

January & July Electronic Copy Distribution

(Hard Copies Mailed Upon Request)



January Hard Copies Printed	January Hard Copies Mailed	Electronic Copies Distributed		Subscription List (E-mail and Physical Addresses)
		January	July	
7	7	1997	2039	2566

ADMINISTRATIVE ACTIVITY

October 2023	Notice of Changes to Cert. Memo – SGCC Annual Meeting Update
January 2024	January 2024 Certified Products Directory
March 2024	Changes to SGCC’s Laminated Cert. Process Memo
April 2024	L24 Invoices
May 2024	Cert. Comm. Meeting Announcement
June 2024	Auditor Conference Call Training
July 2024	July 2024 Certified Products Directory
August 2024	2024 IA Training Release
FUTURE ACTIVITY	
September 2024	SGCC Test Fee Schedule
October 2024	F25 Semi-Annual Invoices



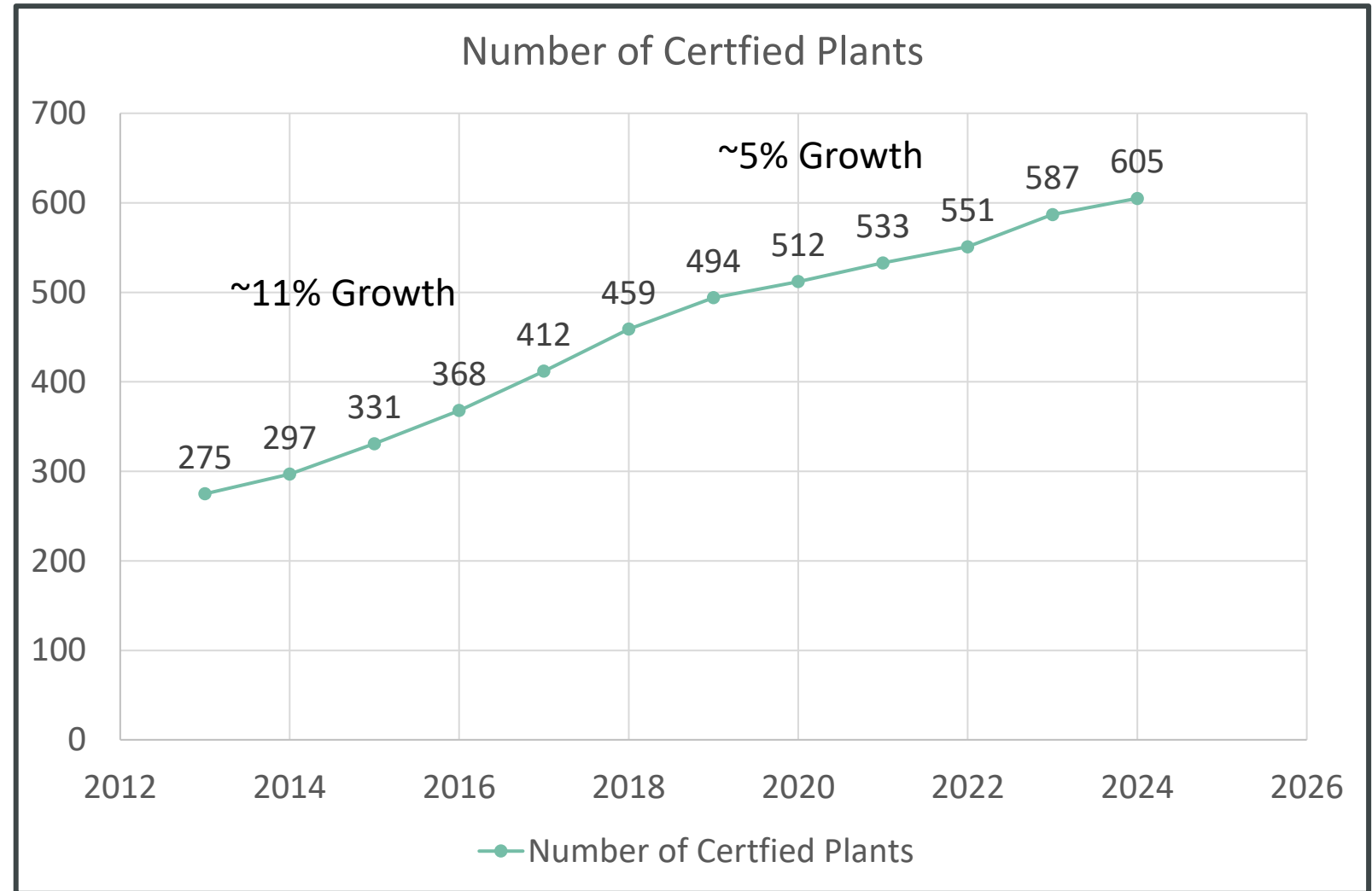
Certification Activity – By the Numbers

7.
Administrative
Report

	2015 As of Sept.	2016 As of Oct.	2017 As of Sept.	2018 As of Sept.	2019 As of Sept.	2020 As of Sept.	2021 As of Sept.	2022 As of Sept.	2023 As of Aug.	2024 As of Aug.
No. of Plants	331	368	412	459	494	512	533	551	587	605
% increase in Plants	+12%	+11%	+12%	+11%	+8%	+4%	+4%	+3%	+7%	+3%
Offshore Plants	89	105	111	141	155	162	183	184	189	200
% increase in Offshore Plants	+31%	+18%	+6%	+27%	+10%	+5%	+13%	+1%	+3%	+6%
No. of Licensees	229	240	283	335	376	399	416	437	458	480
Total Certified Products	2079	2306	2646	2837	3008	3197	3265	3339	3515	3474*
% increase in Certified Products	+10%	+11%	+15%	+7%	+6%	+4%	+2%	+2%	+5%	-1%*
Products ANSI ONLY	17	6	0	0	1	1	1	1	1	1
Products CPSC ONLY	0	0	0	0	0	0	0	0	0	0
Products COMPOSITE	1180	1196	1340	1420	1390	1401	1378	1356	1418	1377
Products COMP+CAN	882	1104	1306	1417	1617	1795	1886	1982	2096	2096
Plants COMP+CAN	110	141	175	197	238	266	291	317	325	363

*This is a net number, the results of program growth and combining laminated glass product certification numbers.

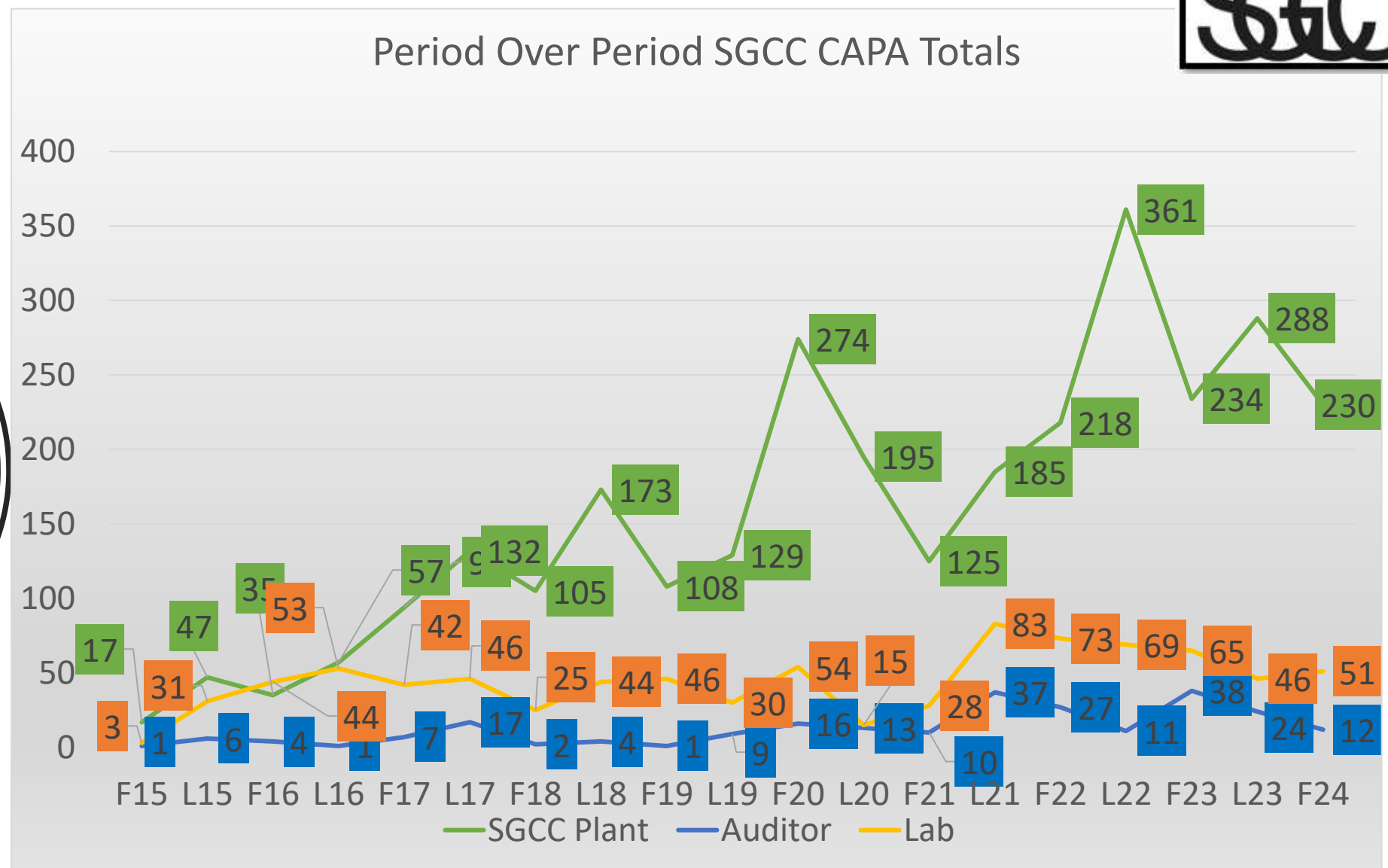
7. Administrative Report



- Avg. 7% Year Over Year Growth
- ~65% Growth In Last 10 Years

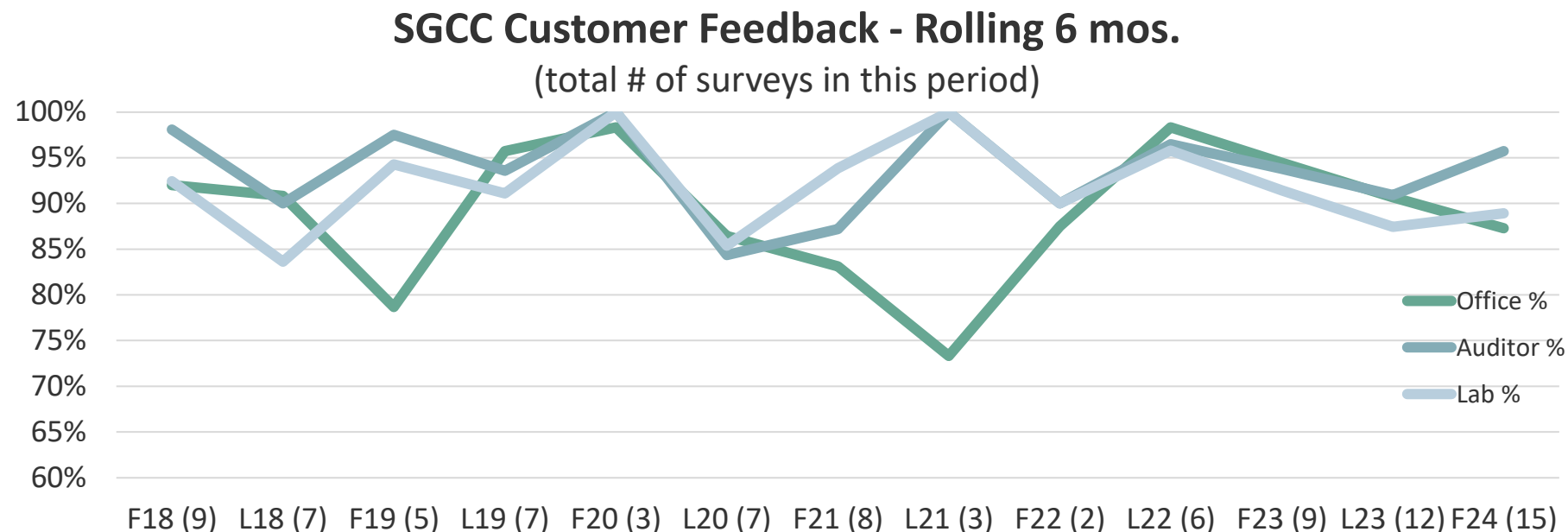


7.
Administrative
Report



“You can’t improve what you don’t measure...”
-Peter Drucker

7. Administrative Report



Dissatisfied:

1. Office (1) – A client was very dissatisfied with the office due to AMS not offering Pos for payments.
2. Testing Lab - Had not received results from last testing before next audit.
3. Testing Lab - 2+ months for testing lab results seems a bit long.
4. Testing Lab - I am not sure if the testing lab is too busy, and the results take more time to receive than the past.
Possibly more labs are needed to service all the new tempering companies.

Positive:

1. Office / Auditor / Testing Lab - Team is very informative and cooperative. Please working with them over the last 6 years
2. Office / Auditor / Testing Lab - Good service and technical support
3. Auditor - Auditor is very informative.. Give's good notice so we can have glass cut and ready to temper.
4. Office - nothing more that to thank them and congratulate them for their work keep it up



2025 Auditor Training & Education

Competency and Consistency is Key in Delivering Audits That:

- **Add Value** to the Participant
- Uphold **Program Values**
- Add **Credibility** in the SGCC Mark



Training Will:

- Be conducted **In- Person**
- Include interactive **Mock Audit Scenarios**
- Measure **Interrater Reliability** – (Consistency and Repeatability)
- Educate Auditors on Recent **Program Changes**

We may need supplies to assist in building the training – if interested in providing materials, please let a staff member know, we will be reaching out!

7. Administrative Report

8. Quick Action Sub-Committee Report

Sub Committee: Quick Action		Chair: Mark Cody
		Vice Chair: ?
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.		
<u>Members</u>		
SGCC President		June Willcott
Certification Committee Chair		Mark Cody
Public Interest		Patrick Loughran

COMPLAINTS AND/OR APPEALING A CERTIFIED PRODUCT (11/03/2015)

Negative feedback, from any source, on any aspect of the certification program or program administration that requires a response will be deemed a Complaint that requires a response. A complaint that challenges the conformance of any safety glazing product to program requirements shall be deemed an Appeal, whether by a licensee or by a consumer or other third party. Complaints or Appeals must be in writing and are first handled by the Administrator following the below procedure:

.....

Determinations by the Administrator can be contested and if they are, the matter will be sent to the SGCC Quick Action Committee for determination. If the Quick Action Committee's determination is contested, then the matter is sent to the Certification Committee for final determination and resolution. No further appeal is permitted from the decision of the Certification Committee.

8. Quick Action Sub-Committee Report

Date	Complaint	Outcome
3/2024	A two- time failure test report was challenged based on laboratory center punch results vs. in house center punch testing.	<p>AMS reviewed laboratories break test procedure, protocol, and center punch equipment along with similar information from the fabricator, including historical center punch data to determine if laboratory procedure did not meet SGCC requirements.</p> <p>Following the evaluation of this information provided it was determined that the laboratory met the requirements of SGCC and ANSI Z97.1.</p> <p>Further investigation by quick action subcommittee not requested by complainant.</p>
3/2024	A former employee from a SGCC Licensee wrote a formal complaint stating in house production records were being falsified on several occasions.	<p>AMS, along with the auditor assigned to this plant reviewed in house break test procedures and records compared to historical third-party testing results. In addition, the auditor confirmed in house testing was within compliance at the following plant inspection. It was determined no further action was necessary as investigation showed plant's production records were valid.</p> <p>Further investigation by quick action subcommittee not requested by complainant.</p>

MARKETING COMMITTEE

1. Update
2. Next Steps
3. Draft 2024-2025 Marketing Plan
4. Request for feedback



- Cody, Mark
- Hutchinson, Mark
- Schimmelpenningh, Julia (Chair)
- Sowell, Urmilla
- Weismantle, Peter
- Willcott, June
- Wright, Rick
- Zink, Kyle

COMMITTEE UPDATE

- ▶ Committee “Dormant” after 2021
- ▶ Re-established at Sept. 2023 Annual Meeting
- ▶ Co-sponsored educational event at NGA Conference
 - ▶ Laminated Glass Workshop - Charleston, SC Feb. 2024
- ▶ Meeting held virtually July 24, 2024
 - ▶ Seeking Vice Chair from committee members
 - ▶ Evaluated Scope: **Formulate and maintain SGCC marketing plan, website, and any other promotion activity that may arise.**
 - ▶ Established Summary action plan:
 - ▶ **SEO** – Request funding from Board
 - ▶ Update **Marketing Plan**
 - ▶ **Specification use** – maintain Dodge Data & Analytics
 - ▶ **Industry event presence** - explore need/benefit
 - ▶ **CPD** cover update?
 - ▶ Next meeting: September 11 @ 11 am EST



DEVELOP MISSION STATEMENT –
WHAT DOES SUCCESS LOOK LIKE?



SET OBJECTIVES – HOW DO WE
ACHIEVE SUCCESS?

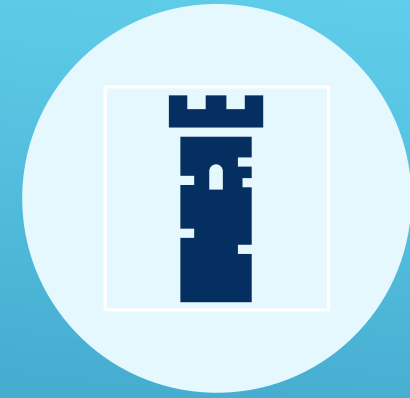
NEXT STEPS – GET POINTED IN THE
RIGHT DIRECTION



TARGET AUDIENCE: DEFINE THE PRIMARY AUDIENCE (E.G., PUBLIC, FABRICATORS, CODE OFFICIALS ETC.).

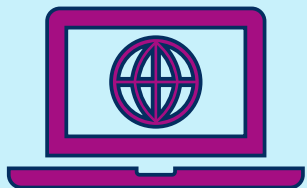


MARKET TRENDS: HIGHLIGHTS OF KEY TRENDS IN THE INDUSTRY THAT IMPACT SGCC.



ENVIRONMENTAL SCANNING: WHAT ARE OTHERS IN THE INDUSTRY DOING?

NEXT STEPS – MARKET ANALYSIS



DIGITAL MARKETING:
SOCIAL MEDIA, EMAIL
CAMPAIGNS, SEO.



CONTENT MARKETING:
BLOGS, NEWSLETTERS,
WEBINARS.



EVENTS: WORKSHOPS,
CONFERENCES,
COMMUNITY EVENTS.

NEXT STEPS: STRATEGIES



Need to develop key
metrics



Feedback loop from
committee & public

METRICS AND EVALUATION



BUDGET ALLOCATION:
BREAKDOWN OF THE BUDGET FOR
DIFFERENT MARKETING ACTIVITIES.



RESOURCES NEEDED: STAFF,
TOOLS, AND OTHER RESOURCES
REQUIRED.

BUDGET AND RESOURCES

- 1.Website
- 2.Look and Feel “Vibe”
- 3.Use of Imagery
- 4.Messaging
- 5.Use in specifications
- 6.Industry involvement

MARKETING PLAN

2024-2025

IN-Progress - DRAFT

WEBSITE

The Safety Glazing Certification Council... because what you can't see can protect you.

1. Refreshed Look and Feel – **Completed 2021**
2. Search Engine Optimization – Needs attention
3. Information Lookup on the Site – **Completed 2021**
4. Tools/Guidance – **Completed 2021**
 1. Videos
 2. “How to”
 3. Laboratory Map
5. Areas for different audiences (prospective clients, fabricators, architects, etc.) – Needs attention



SGCC “VIBE”

Consider:

1. SGCC colors (Brand identity)
2. We can now do “more” with a digital CPD/Procedural Guide
3. Apply across all SGCC-owned IP (documents, website, media, etc.)



DIGITAL IMAGERY

Can we leverage and use to create awareness?

- Need constant supply
- Incorporate into documents and presentations
- Broad spectrum of glazing use



MESSAGING

- ▶ Consistent and clarifying
 - ▶ Review usage on website
 - ▶ Goal is to Educate the public and market on safety glazing and its importance
 - ▶ Use across other IP

“Safety Glazing = Peace of mind”



“...what you can't see can protect you.”

ABOUT US

What you can't see can protect you.

The sliding glass door to your patio...

The translucent partitions in your office...

The revolving door in the city hall lobby...

The windows at the hotel where you stayed last year...

USE IN SPECIFICATIONS

- ▶ Enjoy widespread **marketplace recognition**
- ▶ “Baked” into specification usage through **tenure**
- ▶ Usage has been **steadily increasing**
- ▶ How much do the actions of SGCC **impact** this?

3,274 uses in the last 90 Days

Source: Dodge Data & Analytics

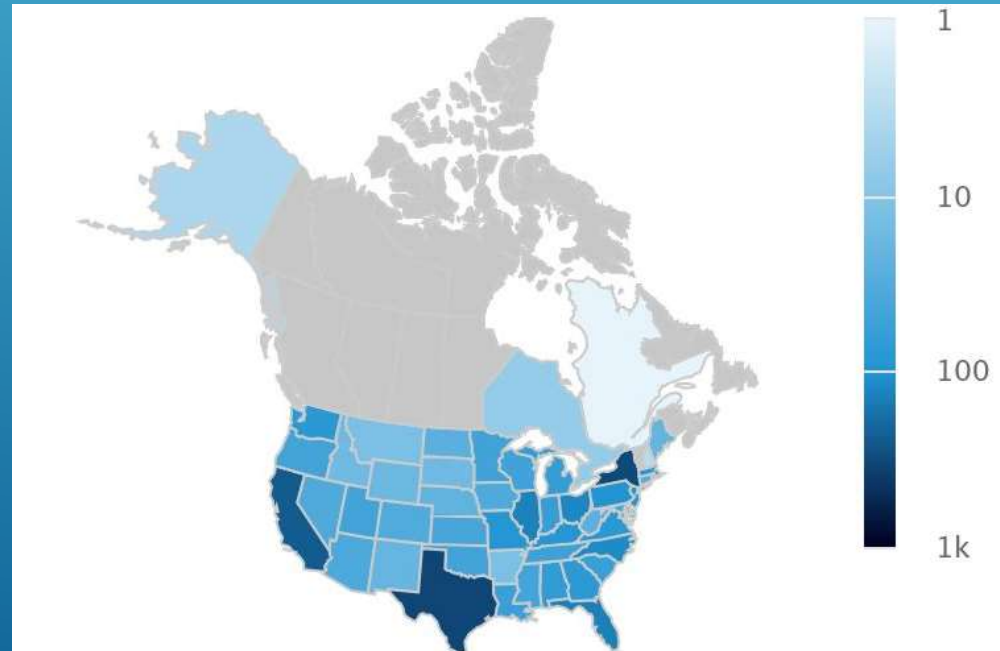
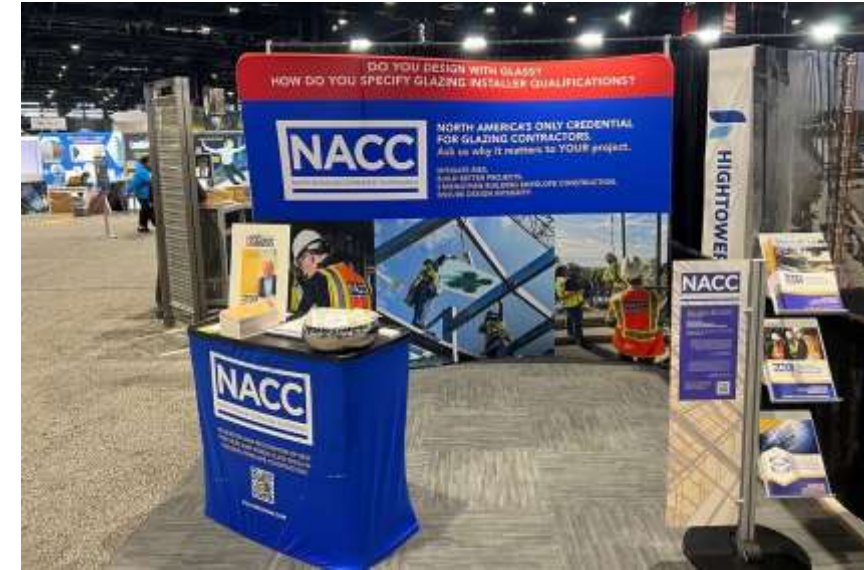


Exhibit at Industry Expos and Events

1. Tie more into installation community (product certification is only a part of the equation)
2. Piggyback on other initiatives (i.e. NACC, AGMT, IGCC* promotion)
3. Be proactive vs. reactive – “An ounce of prevention is worth a pound of cure”
4. Awareness and education help drive enforcement



GlassBuild



AIA

Shows/Events NACC/AGMT typically exhibit at:

1. **BEC Building Envelope Contractor Conference.**
2. **GlassBuild**
3. **AIA National Show**
4. **NGA Glass Advocacy Days – Washington DC**
5. **Construction Specifiers Institute Convention**
6. **Top Glass Canada**
7. **Regional Glass Expos – Northeast, Southeast, Western, Rocky Mountain**

Do you want to do more?

FEEDBACK WANTED

...we want to hear from you!

- ▶ If you want to participate in marketing activities
- ▶ Ideas and comments on Draft plan?
- ▶ Want to know more...
- ▶ Inform us on how we're doing

Julia Schimmelpenningh, Marketing Committee Chair
jcschi@eastman.com

Terry Schaefer, SGCC Staff Contact
tschaefer@amscert.com

Certification Committee Schedule

Day 1 — Tuesday August 20th

~~1:00 — 3:45pm (Eastern) SGCC Certification Committee Meeting~~
~~3:45 — 4:00pm (Eastern) SGCC Participants Meeting~~
~~4:30 — 6:00pm (Eastern) Boat Ride (Pick-Up & Drop Off at Hotel)~~
~~6:30 — 9:30pm (Eastern) In Person Reception (On-Site)~~

Day 2 — Wednesday August 21st

7:30am — 8:00am (Eastern) Breakfast Provided
8:00am — 12:00pm (Eastern) SGCC Certification Committee Meeting

1. Call to Order and Agenda – SGCC Certification Committee

BY DIRECTION OF: MARK B. CODY, SGCC CERTIFICATION COMMITTEE CHAIRMAN

Business Reports

1. Call to Order & Self Intro. of Participants and Guests
2. Voting Rights and Responsibilities
3. Legal Counsel's Report
4. (M) Review and Approval of Previous Meeting Minutes
5. Committee Structure
6. Board of Directors Report
7. Administrative Report
8. Quick Action Sub-Committee Report

Topics



9. Testing Laboratories
 - a. (M) Laboratory Approval Status
 - b. (M) SGCC Lab Manual
 - c. IA Training Update
10. GICC and Code Activity Update – Urmilla Sowell, NGA
11. ANSI Z97.1, CPSC, CAN/CGSB 12.1 – AMS / Marg Webb
12. Program Testing Results Review
 - a. Coated Glass
13. Laminated Safety Glass
 - a. Update
 - b. History of Laminated Glass – Julie Schimmelpenningh
14. Marketing Subcommittee
15. Old/New Business
16. Next Meeting



9a. SGCC Laboratory Approval Status (Last updated 9/12/2023)

Sub Committee: Laboratory and QA Inspection	Chair: Michelle Phan - Cardinal
Staff Contact: Katrina Stafford	Vice Chair: ?
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: Sub-Committee of the Certification Committee	
Mark Cody – Cardinal	Mark Hutchinson – Intigral, Inc.
Rick Wright – Oldcastle BuildingEnvelope®	DJ Weil – Trulite
Brian Louks – Viracon	Bill Nugent – Public Interest
Julie Schimmelpenningh – Eastman	Urmilla Sowell – NGA
Tim Moore – W. A. Wilson Inc.	Sean Ross – Safti First
Kenny White – Intertek	Adina Dobre – Intigral, Inc.

7. 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. In order for a test facility to be considered for initial approval, a letter of interest or intent to use must be provided from 5 certified fabrication 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 non-refundable fee of \$3000 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.**

9a. SGCC Laboratory Approval Status

Company	Location	Date of Last Compliance Ltr and Cert.	Date of Initial Approval	Approved by Program CC (date)	Accredited to ISO/IEC 17025 Agency **	Lab Agreement (date)	No. of C Plants
Intertek	Cortland, NY	12/13/2021	1981	9/12/2023	IAS TL-212	4/18/2024	19
	Fresno, CA	11/21/2023	11/18/1997	9/12/2023	A2LA 7250.02	11/13/2015	86
	Fridley, MN	8/25/2023	10/6/1992	9/12/2023	A2LA 7250.05	11/13/2015	31
	Kent, WA	11/14/2022	10/29/2009	9/12/2023	ASLA 7250.04	11/13/2015	20
	Lithia Springs, GA	2/28/2023	5/17/2012	9/12/2023	IAS TL-338	11/13/2015	27
	Mississauga, ON	3/16/2023	2/20/2015	9/12/2023	IAS TL-273	1/28/2015	49
	Pittsburg, PA	1/25/2024	11/5/2018	9/12/2023	IAS TL-361	7/16/2018	4
	Plano, TX	4/3/2023	7/1/2004	9/12/2023	A2LA 7250.06	11/13/2015	58
	Vancouver, BC	10/27/2022	9/19/2017	9/12/2023	IAS TL-274 & SCC#15074	7/24/2017	13
	York, PA	1/26/2024	6/30/1985	9/12/2023	IAS TL-144	11/13/2015	67
QAI (formerly Fenestration Testing Laboratories)	Medley, FL	9/27/2023	10/2/1997	9/12/2023	IAS TL-948	10/19/2015	63
Bowser-Morner, Inc.	Dayton, OH	5/1/2023	1991	9/12/2023	ANAB #L2444	10/22/2015	19
Construction Consulting Laboratory West	Ontario, CA	12/20/2022	11/19/1997	9/12/2023	IAS TL-226	12/4/2015	34
Element Materials Technology	Des Moines, IA	4/11/2023	6/11/1999	9/12/2023	A2LA #0098.06	12/1/2015	20
PRI Construction Materials Technologies	Tampa, FL	6/12/2023	5/19/2017	9/12/2023	IAS TL-189	4/19/2017	58
Molimo	York, PA	12/4/2023	3/27/2019	9/12/2023	IAS TL-678	3/26/2019	31
	Springdale, PA**						0
Blackwater Technical Services, Inc.	West Palm Beach, FL	2/13/2023	2/13/2023	9/12/2023	AT-2584	9/16/2022	4

**Need Approval

9a. SGCC Laboratory Approval Status



Motion to approve *Molimo Springdale, PA* as an SGCC Approved Testing laboratory following the resolution of any open Lab Corrective Actions and payment.

Motion
1st: Peter Weismantle
2nd: DJ Weil
Vote: UA Pass

Administrative Office
PO Box 730, 205 West Main
Sackets Harbor, NY 13685
Phone: (315) 646-2234
E-mail: sgcc@amscert.com

Agenda Item C09

Topic: New SGCC® Laboratory Inquiry

Laboratory Name: Molimo

1140 Lincoln Ave
Springdale, PA 15144 U.S.

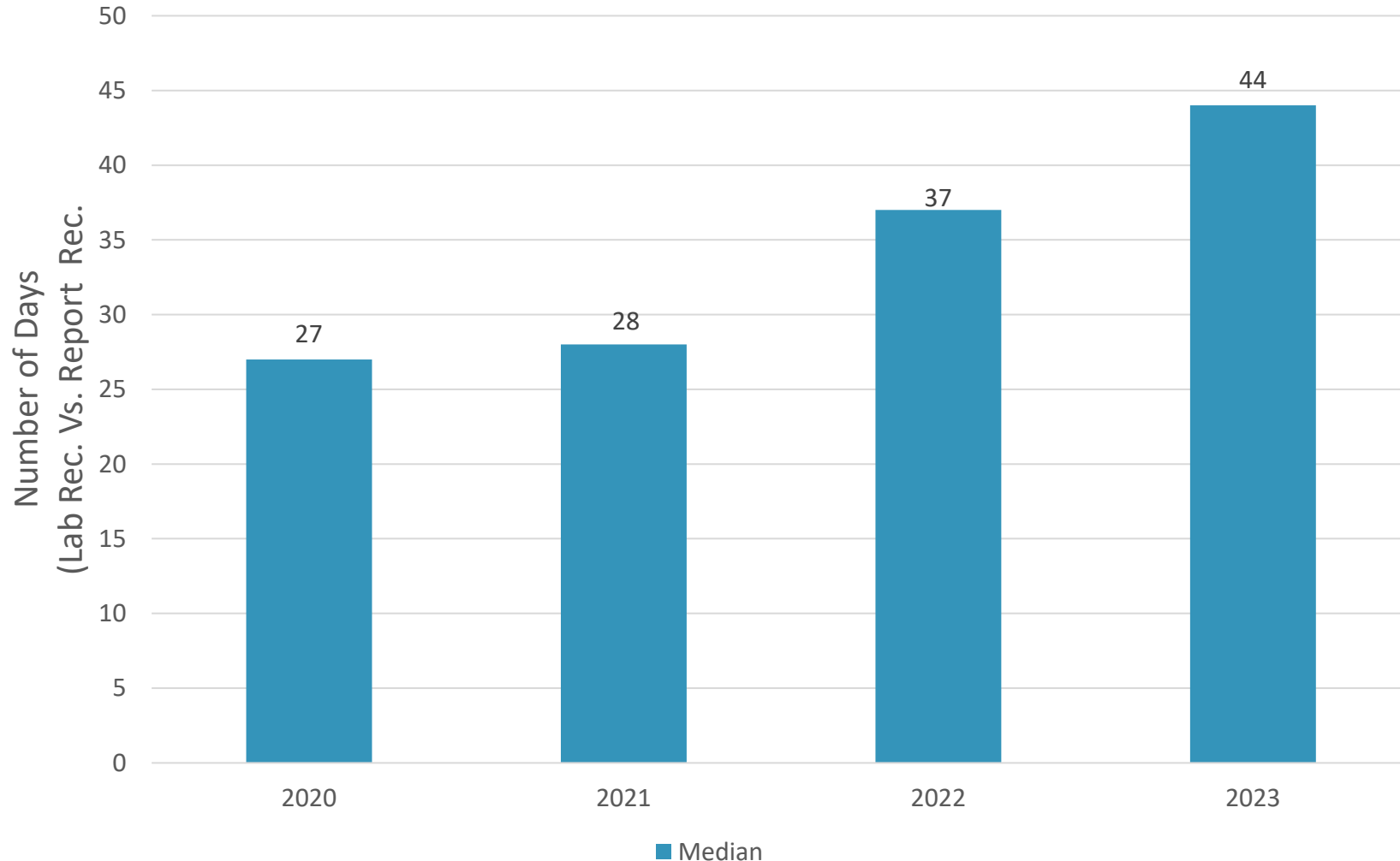
SGCC Lab Approval Procedure: We have a new testing laboratory that has applied for SGCC Approval.

Done	Lab Approval Checklist	Completed/Date
✓	Complete Lab License agreement	Done - Signed 6/26/2024
✓	Initial Survey of Laboratory	Done – Performed by Olivia Aubin on 7/25/2024
	Resolution of any Lab Corrective Actions	In Process
✓	Receive 5 Letters of Intent	Done – Received 6/26/2024
✓	ISO Guide 17025 Compliance	Done – Effective 10/10/2023
	Pay Invoice	In Process
	SGCC Committee Approval	

9a. Test Report Turn Around Time



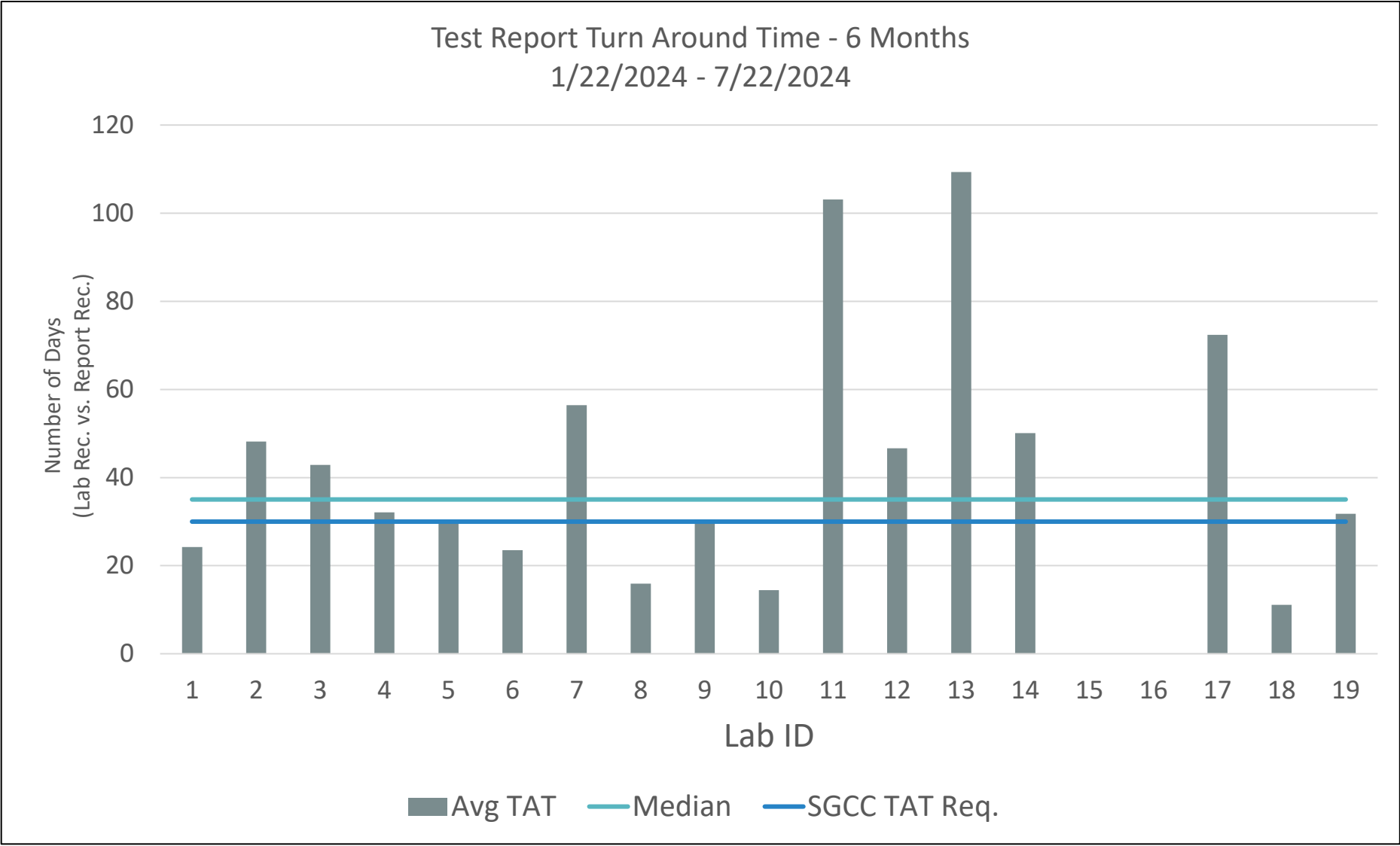
Median Test Report Turn Around Time - Yearly



SGCC Laboratory Manual
Guideline: A.12 Test Reports
(formerly **Instruction G.4**) - Test reports of Certified SGCC Products must be provided to the administrative office, to no one else, and no later than **thirty (30) days** after receipt of test samples or authorization from SGCC to test.



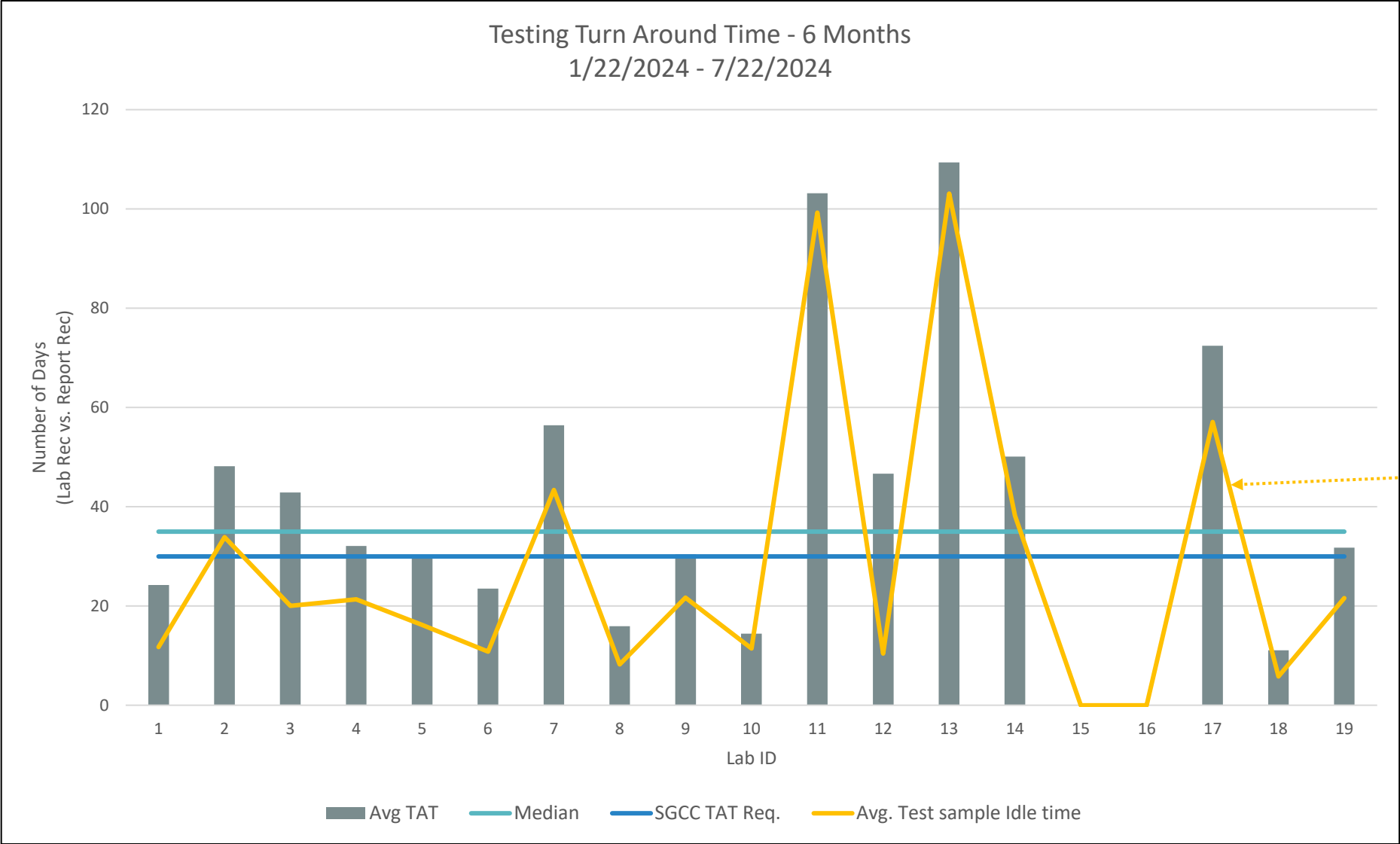
9a. Test Report Turn Around Time



Continue to See Outliers
with Extended Test Report
Turnaround Times...



9a. Test Report Turn Around Time



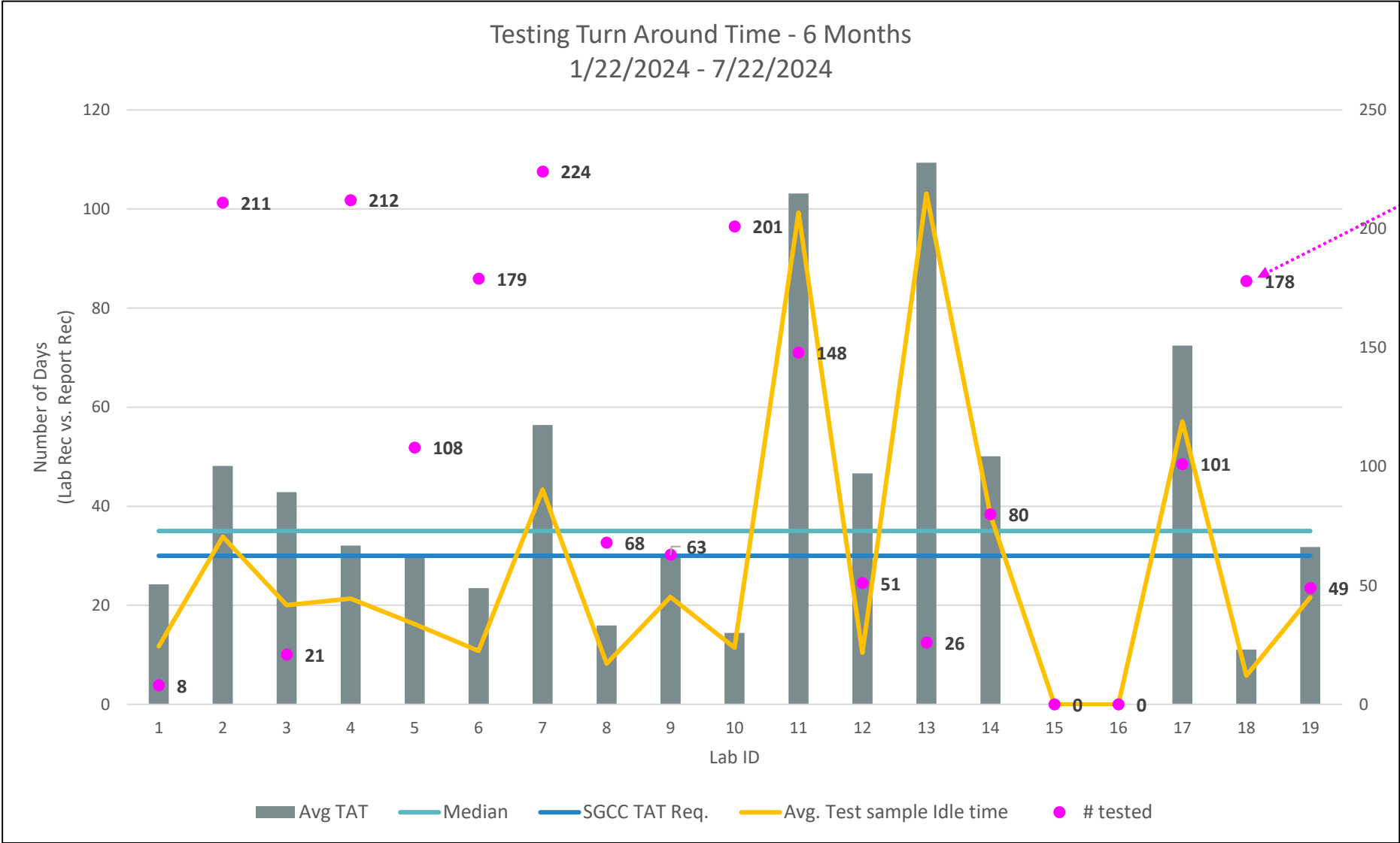
Avg. Test Sample Idle Time:

Difference Between the Date Lab Received Test Samples and Date the Samples Were Tested.

On Average The No. of Days Test Samples Are Sitting at the Laboratory Before Being Tested



9a. Test Report Turn Around Time



No. Test Sample Tested:
During this 6-month period.

Laboratories With Higher Testing Volume Are Not the Laboratories With TAT Concerns

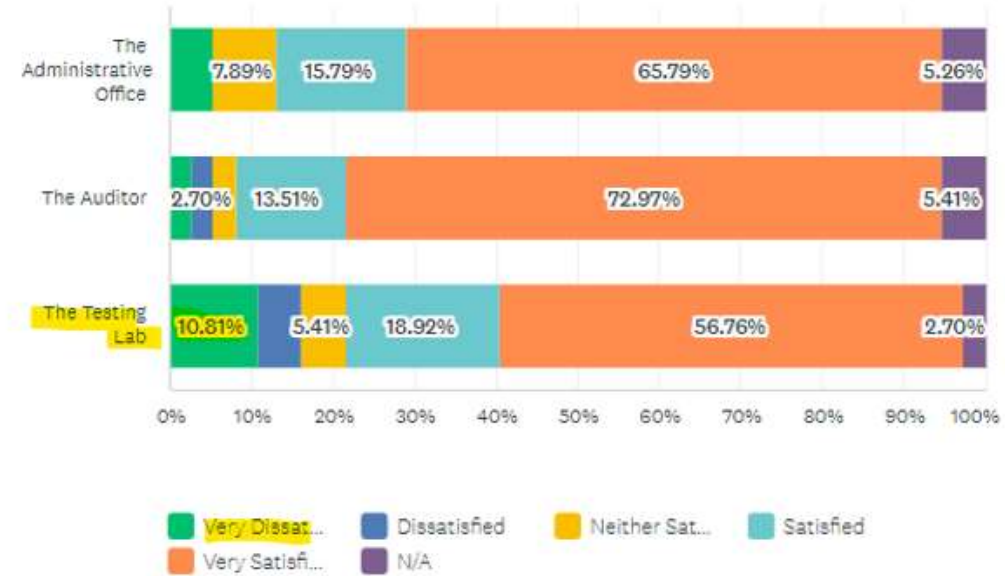
9a. Test Report Turn Around Time

The Majority of Lab Dissatisfaction Results From Extended Test Report Turn Around Time



How satisfied were you with the timeliness of response from:

Answered: 38 Skipped: 0



Comments:

We are still waiting for the test results which precede the last shipment

2+ months for testing lab results seems a bit long.

Had not received results from last testing before next audit .

I am not sure if the testing lab is too busy, and the results take more time to receive than the past. Possibly more labs are needed to service all the new tempering companies.



9a. Test Report Turn Around Time

Which solution will reinforce SGCC's 30-day test report turnaround time?

OPTION 1

~~Non-Payment for Report received after XX days.~~

~~A.12 Test Reports (formerly Instruction G.4)~~

~~Test reports of Certified SGCC Products must be provided to the administrative office, to no one else, and no later than thirty (30) days after receipt of test samples or authorization from SGCC to test. Test reports not received within 90 days from the date of sample receipt shall be subject to non-payment (this applies to routine testing only and does not apply to prototype test reports).~~

OPTION 2

Percentage penalty on test fees based on delinquency beyond 30 days.

A.12 Test Reports (formerly Instruction G.4)

- Test reports of Certified SGCC Products must be provided to the administrative office, to no one else, and no later than thirty (30) days after receipt of test samples or authorization from SGCC to test. Test reports that fail to meet 60-days shall incur penalty fees of 5% per test for each week overdue.

Failure to meet a 6-month average test report turnaround time of 90-days shall be recommended to the Laboratory and QA Inspection Subcommittee for removal from the SGCC Approved Lab List.

Motion to approve Option 2 overdue test report turnaround time as stated effective January 1, 2025.

Motion

1st: DJ Weil

2nd: Peter Weismantle

Vote: UA Pass

9b. SGCC Lab Manual (Laminated Updates)



SGCC now certifies laminated glass per lite/interlayer configuration, overall thickness is the quickest indicator if a configuration being tested is consistent with the lite/interlayer configuration certified.

- **E.3 Measure Thickness** (formerly Instruction L.1) –
- Each impact test specimen: measure the overall thickness.
- One impact test specimen: **Using the specimen with the largest overall thickness**, measure the thickness of each lite of glass and the plastic interlayer.
- One boil test specimen: **Using the specimen with the largest overall thickness**, measure the thickness of each lite of glass and the plastic interlayer.

Lab & Inspection Subcommittee Approved This Requirement, Implementation
Following the Release of Revised Lab Manual

9c. Interactive Lab Training

Meeting Minutes (10.3.18.3) To mandate SGCC Lab training exam to “all personnel performing SGCC testing” are required to take and pass annually (Passing requirements = 100%). **Implementation of these changes was effective 1/1/2020.**

Year	Lab Personnel to Complete the Exam
2019	35
2020	51
2021	53
2022	61
2023	50

The 2024 edition of the Interactive Lab Training will include edits that relate to the LSG updates, as well as updated label requirements (CAN/CGSB 12.1-2022).

Impact Sample Thickness Measurement

Using the overall nominal thickness displayed below each sample, which sample should be used to measure and record the overall makeup of the sample (lite 1, lite 2, interlayer thickness).
Click and Drag your selection to the table.

0.219

0.244

0.240

0.234

Reset Submit
297TM-160a

Boil Sample Thickness Measurement

Based on the nominal thickness displayed below each sample determine which boil sample specimen below should be used to record the overall makeup of the sample (lite 1, lite 2, interlayer thickness).
Click and Drag your selection to the table.

0.350

0.354

0.298

Reset Submit
297TM-159a

GICC and NGA Safety Glazing Update

SGCC

Clayton, NY

August 21, 2024

Urmilla Sowell

NGA



International Code Council (ICC) - 2024-2026

Group A & B: 2 Committees + 1 Final Action

- **Group A – 2024:** (i) Wildfire Urban Interface Code (WUIC),
(ii) International Building Code (IBC) Fire/Mean of Egress and
(iii) International Fire Code (IFC)
 - Proposals were due Jan. 2024
- Committee Action Hearing (CAH) #1 held April 7-16 in Orlando, FL.
 - Public Comments were due July 8
 - Web posting of Public Comments to CAH #1 – Sept. 5
- CAH #2 to be held Oct. 23-31 in Long Beach, CA.
 - Web posting Report of CAH #2 – December 2
- Comments due for 2026 Public Comment Hearings - March 14, 2025

International Code Council Group B - 2025

- **Group B – 2025:** (i) International Building Code (IBC) General, Structural, Admin (ii) International Existing Building Code (IEBC) and (iii) International Residential Code (IRC)
 - Proposals - due Jan. 5, 2025
- Committee Action Hearing (CAH) #1 held April 27 - May 6.
 - Public Comments due July 15
- CAH #2 to be held Oct. 22-30
 - Report of CAH #2 - Nov. 25
- Comments due for 2026 Public Comment Hearings – Jan. 5, 2026

ICC Public Comment Hearings - 2026

- **Public Comment Hearings: 2026**
- Combined Groups A and B Public Comment Hearings April 19 -28
- Combined Groups A and B Online Governmental Consensus Voting (OGCV)
- Validation Committee Meeting of final results
- Board Confirmation of final results
- Any Appeals from Board Confirmation of final results

SGCC Workshop – NGA Glass Conference: Charleston



Laminating Nomenclature Interactive Session: NGA Glass Conference: Milwaukee



Education



Education

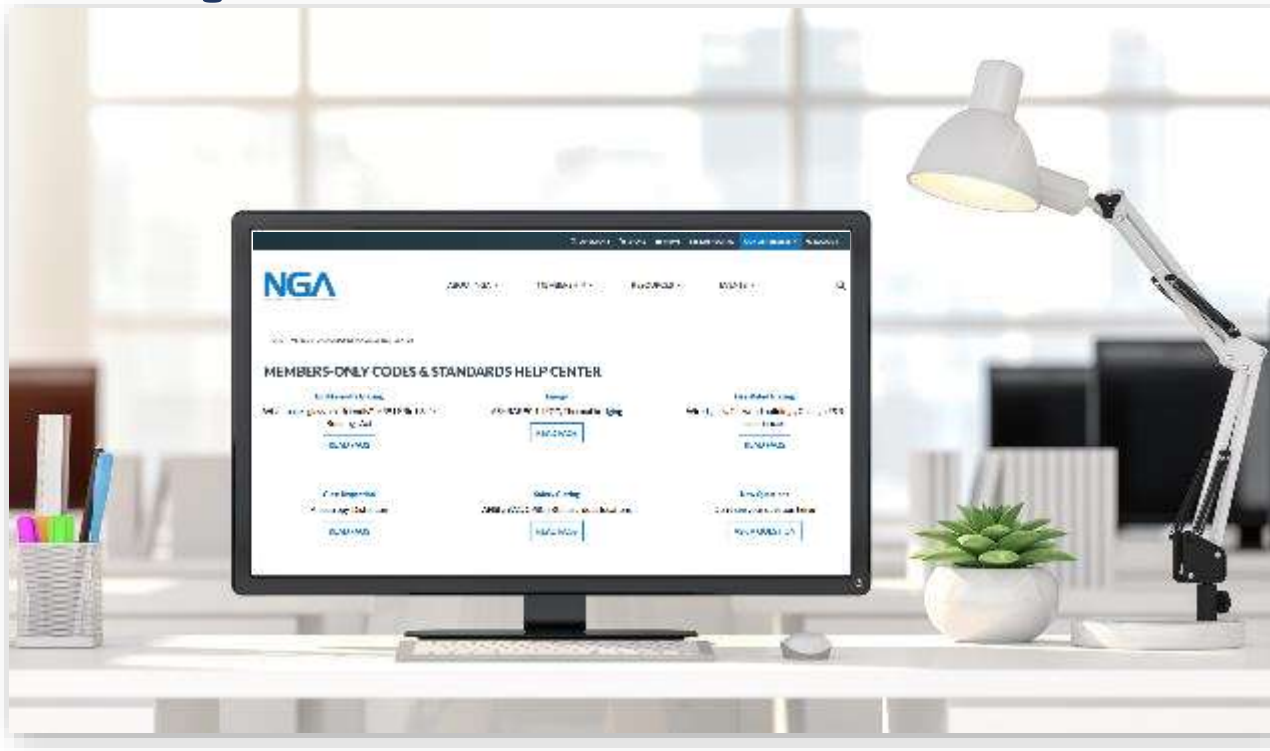


Frameless Shower Enclosure Design and Installation Manual

- Managing expectations
- Designing the shower
- Measuring
- Installing
- Maintenance/Cleaning
- Troubleshooting
- Safety

Members-Only Codes & Standards Help Center

Have Questions? Get Answers.



Glass is complicated—NGA is here to help.

Exclusively for NGA members, we have compiled answers to nearly 50 tough technical codes and standards questions in an easy-to-use, online help center.

Available now (member login required).

Get started: glass.org/members-only-resources

NGA Member's Only Codes and Standards Help Center

HELP CENTER TOPICS

Bird-Friendly Glazing

What makes glass bird-friendly?, HR919 Bird-Safe Buildings Act

[READ FAQs](#)

Energy Conservation

ASHRAE 90.1, IECC, Thermal bridging

[READ FAQs](#)

Fire-Rated Glazing

Wired glass, Tall wood buildings, Chicago E&R occupancies

[READ FAQs](#)

Glass Inspection

Anisotropy, Distortion

[READ FAQs](#)

Safety Glazing

Laminated; Mirror; Repairs, Remodeling & Alterations; Tempered; other

[READ FAQs](#)

NEW: Security Glazing

Specification, Testing, Labeling, School Security, Egress

[READ FAQs](#)

Sustainability

Definitions of PCR, LCA, EPD, GWP; Glass recycling

[READ FAQs](#)



GENERAL SAFETY GLAZING

Q: When a glazier complies with a local building code, is compliance with 16 CFR Part 1201, the federal regulation, assured?



A: Yes, if the local code is based on a 1982 or later version of one of the model building codes, compliance with the local glazing requirements will also comply with the federal regulations.

Q: What is the definition of Safety Glazing?



A: Quoted from [ANSI Z97.1](#): "Glazing materials so constructed, treated, or combined with other materials that, if broken by human contact, the likelihood of cutting or piercing injuries that might result from such contact, is reduced." For North America, any glazing that has passed ANSI Z97.1 (or [CPSC 16 CFR 1201](#) or CAN/CGSB 12.1) and is permanently labeled with certificate of compliance information by the manufacturer or fabricator.

Q: Can my product qualify as safety glazing using only the impact portion of ANSI Z97.1?



A: ANSI Z97.1 has several tests for safety glazing, including impact, weathering and center punch. ANSI Z97.1 is both a standard and a test method, and all portions are required. However, not all portions apply to each type of safety glazing. For example, center punch is required only for tempered glass. The weathering portion applies to laminated, filmed and organic coated glass and plastics. So yes, all portions of ANSI Z97.1 are required to the extent that they apply to the type of glazing being evaluated.

Q: What types of organic coated glazing pass as safety glazing?



A: The [Safety Glazing Certification Council](#) (SGCC) maintains a certification program where manufacturers of safety glazing products voluntarily submit their products for testing to an SGCC-approved independent testing laboratory. Check their website to see what is listed and certified. Organic coated products could range from a surface applied film to a tape on the back of mirrored glass. There are requirements in ANSI Z97.1 for weathering, durability and adhesion for those materials.

Q: In what year did the Consumer Product Safety Commission (CPSC) standard on safety glazing become effective?

>

A: The CPSC standard, [16 CFR 1201](#), became effective July 6, 1977.

Q: Where is safety glazing required?

>

A: Safety glazing is required by code in any area of a building that is defined as 'hazardous'. [2018 IBC section 2406.4](#) defines hazardous locations requiring safety glazing as: glazing in doors, adjacent to doors, windows (if it meets all 4 criteria per 2018 IBC Section 2406.4.3), guards and railings, wet surfaces, adjacent to stairways and ramps, adjacent to bottom stairway landing. (See also exceptions in each category.)

Q: What identification is required for safety glazing installed in buildings?



A: Quoted from [2018 IBC Section 2406.3](#): “Each pane of safety glazing installed in hazardous locations shall be identified by a manufacturer’s designation specifying who applied the designation, the manufacturer or installer and the safety glazing standard with which it complies, as well as the information specified in Section 2403.1 (type and thickness). The designation shall be acid etched, sand blasted, ceramic fired, laser etched, embossed or of a type that once applied, cannot be removed without being destroyed. A label meeting the requirements of this section shall be permitted in lieu of the manufacturer’s designation.

“Exceptions:

1. For other than tempered glass, manufacturer’s designations are not required, provided that the building official approves the use of a certificate, affidavit or other evidence confirming compliance with this code.
2. Tempered spandrel glass is permitted to be identified by the manufacturer with a removable paper designation.”



Q: What part of safety glazing requirements fall under the glazing contractor's responsibility?



Q: In a high-rise building, is it OK to use annealed glass in IGUs above 25 feet?



Q: Is bent glass around a revolving door required to meet safety glazing standards?



Q: Does an operable window next to a door have to be tempered glass?



Q: Do military bases, hospitals or other government buildings have to abide by local safety glazing codes?

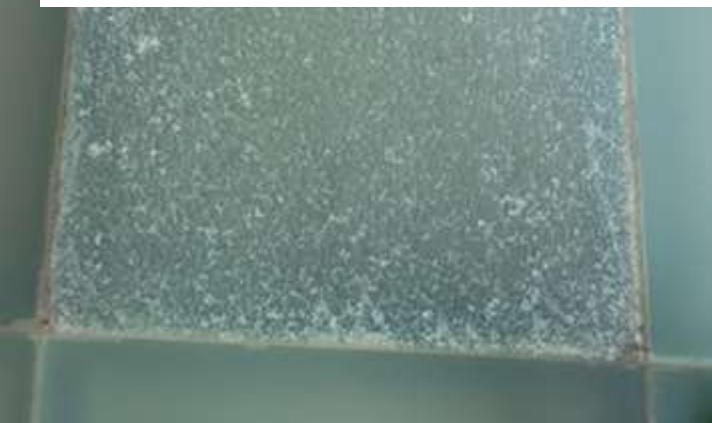


Q: Are there additional testing requirements for glazing used in behavioral health settings or when ballistics glazing is used as safety glazing?

>

A: The building code requires safety glazing in life safety areas. When there are additional performance requirements for specific applications beyond life safety, they are specified for the project by the building owner or designer. There are many test standards available to qualify the glass for behavioral health and ballistic applications, but they are not necessarily part of the building code requirements.

If the glazing construction has not been certified before, the glass or polycarbonate may be qualified alone, and the interlayer might pass as a component. Typically bullet-resistant laminates tend to be thicker and meet the impact requirement easily, but you must make sure all the other test requirements are met for the components in the laminate. [Refer to the *Security Glazing Glass Technical Paper*](#) for further details.



What are the requirements for mounting a mirror on the ceiling?



IRC

R324.3 Human impact loads.

Individual glazed areas, including glass **mirrors** in hazardous locations such as those indicated as defined in Section R324.4 R324.3.1.

Exceptions:

1. Louvered windows and jalousies shall comply with Section R324.2.
2. **Mirrors** and other glass panels mounted or hung on a surface that provides a continuous backing support.
3. Glass unit masonry complying with Section R607.

2024 International Residential Code without Energy (IRC) / CHAPTER 3 / SECTION R324 / 1. R324.3

IBC

2406.1 Human impact loads.

Glazed areas in hazardous locations as defined in Section 2406.4, including glass **mirrors**, single panes of glass, laminated assemblies, shall comply with Sections 2406.1.1 through 2406.1.4.

Exception: **Mirrors** and other glass panels mounted or hung on a surface that provides a continuous backing support.

EPA GRANTS =160M

NGA - \$2.1 million

38 grantees selected
14 material types

NGA is the only glass
representative

Material & Product Categories for Grant Selections

Reducing Embodied Greenhouse Gas Emissions
for Construction Materials*



*Selections are contingent upon completion of legal and administrative requirements.

NGA Member's Only Codes and Standards Help Center

HELP CENTER TOPICS

Bird-Friendly Glazing

What makes glass bird-friendly?, HR919 Bird-Safe Buildings Act

[READ FAQs](#)

Energy Conservation

ASHRAE 90.1, IECC, Thermal bridging

[READ FAQs](#)

Fire-Rated Glazing

Wired glass, Tall wood buildings, Chicago E&R occupancies

[READ FAQs](#)

Glass Inspection

Anisotropy, Distortion

[READ FAQs](#)

Safety Glazing

Laminated; Mirror; Repairs, Remodeling & Alterations; Tempered; other

[READ FAQs](#)

NEW: Security Glazing

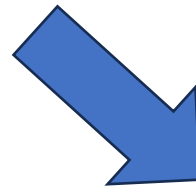
Specification, Testing, Labeling, School Security, Egress

[READ FAQs](#)

Sustainability

Definitions of PCR, LCA, EPD, GWP; Glass recycling

[READ FAQs](#)



Q: What is the difference between security glazing and safety glazing?



A: Security glazing, also called protective glazing, has various definitions depending upon the context in which it is used. It can mean glazing that has been designed to minimize injury and property damage from bullets, blast waves and/or forced entry. It can also mean glazing that has been designed to protect people and property from windborne debris associated with hurricanes or tornadoes, fires, or earthquakes.

Safety glazing is designed to reduce the likelihood of cutting or piercing injuries if broken by accidental human impact. For North America, any glazing that has passed ANSI Z97.1 (or [CPSC 16 CFR 1201](#) or CAN/CGSB 12.1) and is permanently labeled with certificate of compliance information by the manufacturer or fabricator qualifies as safety glazing. See the [Safety Glazing section](#) of the Help Center for more information.

Q: In which applications does the building code require safety glazing?



A: Security glazing designed to minimize injury and property damage from bullets, blast waves and/or forced entry is not currently required by the building codes.

With respect to glass and glazing materials, the building codes govern their breakage characteristics when installed in hazardous locations subjected to human impact (as safety glazing), their performance as barriers to heat transfer, flame, and smoke when subjected to fire, their energy conservation and daylighting capabilities, their resistance to windborne debris in hurricane zones and tornado-prone areas, and their ability to withstand earthquake stresses in seismic areas.

Refer to the [NGA Guide to the Glass & Glazing Requirements of the Model Building Codes](#) for additional information.

Q: How is security glazing specified?



A: Security glazing requirements established for any specific project are based on input from a variety of sources, including architects, consultants, government agencies, and building owners. These requirements are contained in the project's architectural specifications and represent a response to calculated or perceived risks, to buildings, building occupants, and building contents. As a means of addressing the risk of a ballistic, forced entry or blast attack, for example, the architectural specification may indicate required levels of performance and standards that assess this performance. The system or glass fabricator may be required to submit a test report to verify compliance.

Diagrams of typical security glazing configurations are included in NGA Glass Technical Paper [FB43-14 \(2020\) Security Glazing](#).

Security glazing may be categorized as Basic, Enhanced, Ballistic Protection, Forced Entry, Enhanced Forced Entry, Multiple Forced Entry Assault (Ballistics + Forced Entry) and Blast Mitigation. Each category is described in NGA Glass Technical Paper [FB71-21 School Security Glazing](#).

Q: What category of security glazing is appropriate for schools?



A: There are many glazing options for improving the security of windows and doors installed in schools. State or local legislation may dictate specific requirements for windows and doors in school buildings within the jurisdiction.

Those determining the glass specifications will need to understand and determine the threats and hazards present in each area of the building. The Federal Emergency Management Agency (FEMA) publication: [“Primer to Design Safe School Projects in Case of Terrorist Attacks and School Shootings” \(December 2012\)](#) includes a checklist in the appendix for use in these assessments.

Forced entry resistant and/or Enhanced Forced Entry resistant glazing may be appropriate for schools.

- Forced entry resistant glazing is designed to increase the amount of time required to gain entry. This additional time is intended to allow for the enactment of lockdown protocols. These products may be used in areas with high risk of prolonged attack or in critical areas such as entry vestibules. Forced entry resistant glazing is designed to resist penetration from hand-held or hand-thrown objects such as hammers, crowbars, bats, knives, bricks, and rocks.
- Products designed for Enhanced Forced Entry are intended to meet the requirements for forced entry resistant glazing after being weakened by ballistic assault. They are not designed for ballistic classification; thus, the bullets may penetrate the glazing. Enhanced forced entry testing can include shooting through the glass to weaken it followed by physical impact with various weapons. The glazing classification would carry an indication of the type of ballistic assault used along with a forced entry classification. The goal is to resist entry for an adequate amount of time to allow for the arrival of emergency response personnel. Products in this category may be tested to ASTM F3561 Standard Test Method for Forced-Entry-Resistance of Fenestration Systems After Simulated Active Shooter Attack.

Refer to NGA Glass Technical Paper [FB71-21 School Security Glazing](#) for more information.

Q: To which standards are security glazing products tested?



A: Standards-setting organizations, like ASTM International, and industry groups are often responsible for the development of test methods and specifications related to building products. These standards are voluntary, unless adopted by reference in a building code or regulation. Standards and test methods have been developed by government agencies, including the General Services Administration (GSA), the Department of Defense (DoD), and the Department of State (DoS). These standards will apply for government work and may also be referenced in other architectural specifications.

Security glazing test standards for blast, bullet and forced-entry resistant glazing are summarized in NGA Glass Technical Paper [FB43-14 \(2020\) Security Glazing](#) and [FB71-21 School Security Glazing](#). More detailed testing information is available in the [GANA Protective Glazing Manual](#). NGA Glass Technical Paper [FB76-23 Fire-Rated Glazing 101](#) describes testing requirements for fire-rated glazing.

Q: Can glass be bulletproof?



A: No, referring to glass as bulletproof may be misleading. However, glass can be designed to **resist** penetration from a variety of firearm ammunitions. Bullet-resistant glazing provides an improved safety barrier against bullets and related flying glass or plastic fragments (spall or splinters). Examples of bullet resistant glazing materials include all-glass laminates, glass clad polycarbonate laminates, and other laminated or monolithic plastics. Ballistic test standards and certification programs are described in NGA Glass Technical Paper [FB16-07 \(2022\) Bullet Resistant Glazing](#).

Q: What labeling is required for security glazing?



A: The building code general guidelines for use, identification and marking of glazing are outlined in [Chapter 24 of the International Building Code \(IBC\)](#). Each lite is to be marked with the manufacturer's label designating the type and thickness of glazing installed. In some cases, the identification may not be omitted unless approved by the local official. This approval must be accompanied by an affidavit provided by the glazing contractor stating that the correct glazing was installed based upon the approved construction documents.

Labeling of safety glazing must comply with CPSC 16 CFR, Part 1201 criteria, for Category I or II locations in the U.S. and the corresponding CGSB 12.1 requirements for safety glazing use in Canada.

The labeling requirements for glazing subjected to severe wind and debris such as those from hurricanes vary significantly and are usually prescribed in the local building codes. These requirements state that individual components, as well as the entire fenestration assembly need to be permanently identified with an approved label or code. Watch the NGA Thirsty Thursday webinar [Hurricane Standards, Testing and the Product Approval Process](#) for more details.

Fire rated glazing is required to be permanently labeled. [NGA Guide to the Glass & Glazing Requirements of the Model Building Code](#) describes labeling requirements.

Security glazing requirements for forced-entry-resistance, bullet-resistance, and blast-resistance established for any specific project may include additional labeling requirements in the architectural specifications. There is a need to ensure compliance with specified configurations and performance levels, which leads to permanent label requests. However, there may also be a desire for anonymity of materials and their performance characteristics for secrecy and protection purposes. In many applications, the security performance of the overall glazing system (frame, glass and caulking) is tested to a particular standard. In this case, test reports have become the means for communication of protection levels provided by the glazing system. The company responsible for assembling the glazing system may require specific information to be permanently marked on the glass by the fabricator. Refer to the [NGA Laminated Glazing Reference Manual](#) for more information.

Q: Do security glazing systems delay emergency egress for building occupants and emergency ingress for first responders?



A: In case of an emergency, such as a building fire, that requires evacuation of a facility, doors are typically utilized for emergency egress along with windows that can be opened by using standard locking/latching mechanisms. Bullet-resistant glazing in non-operable windows should not be designated as a point of egress.

Security glazing systems are designed to remain intact after breakage. This may increase the amount of time and effort required for firefighters and first responders to vent and clear the building during an emergency. The U.S. General Services Administration (GSA) has developed a training program that addresses emergency egress through security glazing. Architects and schools installing security windows need to be aware of the potential time needed to get through security glazing. The proper tools, education and training should be in place for any building installing security glazing. Other possible means of emergency egress for building occupants should be clearly identified.

More information on ingress and egress through security glazing is available in the NGA Glass Technical Paper [FB05-04 \(2023\)](#), [Emergency Egress through Laminated Glazing Materials](#) and in the [GANA Protective Glazing Manual](#).

SGCC Meeting

August 21, 2024

- Urmilla Sowell
- National Glass Association
- usowell@glass.org



11. ANSI Z97.1, CPSC, CAN/CGSB 12.1



ANSI Z97.1
Published
September 2015
Reaffirmed
September 2020



CAN/CGSB – 12.1-
2022
Published
February 2022

CPSC 16 CFR 1201

PART 1201—SAFETY STANDARD FOR ARCHITECTURAL GLAZING MATERIALS

Subpart A—The Standard

- Sec.
- 1201.1 Scope, application and findings.
 - 1201.2 Definitions.
 - 1201.3 General requirements.
 - 1201.4 Test procedures.
 - 1201.5 Certification and labeling requirements.
 - 1201.6 Prohibited stockpiling.
 - 1201.7 Effective date.



Safety Glazing Materials Used in Buildings

CPSC 16 CFR 1201



PART 1201 - SAFETY STANDARD FOR ARCHITECTURAL GLAZING MATERIALS

Authority: Secs. 2, 3, 7, 9, 14, 19, Pub. L. 92-573, 86 Stat. 1212-17; (15 U.S.C. 2051, 2052, 2056, 2058, 2063, 2068).

Source: 42 FR 1441, Jan. 6, 1977, unless otherwise noted.

Subpart A - The Standard

§ 1201.1 Scope, application and findings.

- (a) **Scope.** This part 1201, a consumer product safety standard, prescribes the safety requirements for glazing materials used or intended for use in any of the following architectural products:
- (1) Storm doors or combination doors.
 - (2) Doors.
 - (3) Bathtub doors and enclosures.
 - (4) Shower doors and enclosures.
 - (5) [Reserved]
 - (6) Sliding glass doors (patio-type).

§ 1201.4 Test procedures.

Except as provided in §§ 1201.1(c) and (d), architectural glazing products shall be tested in accordance with all of the applicable test provisions of **ANSI Z97.1-2015** “*American National Standard for Safety Glazing Materials Used in Building—Safety Performance Specifications and Methods of Test*,” approved March 2015. The Director of the Federal Register approves the incorporation by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. You may obtain a copy from ANSI Customer Service Department, 25 W. 43rd Street, 4th Floor, New York, NY 10036. You may inspect a copy at the Office of the Secretary, U.S. Consumer Product Safety Commission, Room 820, 4330 East West Highway, Bethesda, MD 20814, telephone 301-504-7923, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

ASC Z97 Committee Leadership



SECRETARIAT (GISC)

(Lindsey Merryman, Kayla Natividad, Ilona Schmidt)

- Apply for accreditation
- Oversee consensus body for compliance
- Maintain roster
- Provide secretary
- Submitting standards to ANSI
- Secretariat submits budget to SC

OFFICERS

Chair – Kent

Vice Chair – **Open**

Secretary* – Julia Schimmelpenningh

- *Appointed by secretariat
- Subject to approval by majority vote of CB (Chair & Vice-Chair)

STEERING COMMITTEE

(Rick Wright, Urmilla Sowell,
John Kent, Julia Schimmelpenningh)

- Propose standards
- TI's
- Overall supervision
- Establish general policies
- Adopting & implementing procedure
- Membership review
- Financial responsibility
- Propose Task Groups Schedule

CONSENSUS BODY

(The Committee – 30 Members)

- ❖ Voting on the standard
- ❖ Maintaining the standard
- ❖ Adopting policies
- ❖ Other matters

ASC Z97 Committee Update

ANSI Z97.1-2015 (R2020)



- **June 6th, 2024 - Full Committee**

- A. Request volunteers for vice chair (looking to fill following audit)
- B. Plan forward –
 1. Task Group activities have begun
 2. Review DRAFT full standard at next meeting to determine reaffirmation or moderate revise
 3. Target 2030 significant revisions
- C. Task Groups formed & Scopes Drafted
 1. Test Method and/or Specification – (Ilona Schmidt – Corning)
 1. Proposing new wording to Section 1.3 Limitations to define wire glass (not fire rated)
 2. New Alternate Impactor – (Michelle Phan – Cardinal)
 - a. Durometer and geometry determination of head form progressing
 3. ASTM reference vs language in std. (Urmilla Sowell – NGA)
 1. Partial initiation prior to drafting – unable to complete until final version is determined
 4. Misc. Issues (Scott Norville – GI)
 1. Calculations and conversions reviewed and submitted



- **Committee is out of balance– looking for a non-fabricator members for balance**

Actively soliciting non “Fabricator/Distributor” members

Next Committee Call – September 26, 2024

ASC Z97.1 ANSIIACCREDITED STANDARDS COMMITTEE	
Safety Requirements for Architectural Glazing Materials	
Chairman: E. Oels, 2300 Harrow Road, Auburn Hills, MI 48306, Phone: 248-146-2141, E-mail: E.Oels@Guardian.com	
Secretary: J.C. Sekowicz, 750 Worcester Street, Springfield, MA 01103, Phone: 413-730-0415, E-mail: JCS@HillGroup.com	
Membership Request ASC Z97 Committee	
1. Type of membership:	
<input type="checkbox"/> Organizational	
<input type="checkbox"/> Individual	
2. Please provide the following basic information:	
Name/Title:	_____
Organization:	_____
Address:	_____
Telephone:	_____
FAX:	_____
E-mail:	_____
Website:	_____



SGCC

[11. Canadian Glass Standards Update](#)

August 22, 2024

Margaret Webb, Chair – Canadian Glass Committee

Canadian Glass Standards & Codes Activity

- Funding approved to revise and update:
 - CAN/CGSB 12.1, Safety Glazing
 - CAN/CGSB 12.8, Insulating Glass : Potential to add RAC to standard
 - CAN/CGSB 12.20, Structural Design of Glass in Buildings: Last revised in 1989
- Code Change Request (CCR) : Monolithic Wired Glass
- Overheating major issue for the 2025 National Building Code of Canada (NBCC)
 - SHGC under review
 - WWR

Committee Activity

- November / December 2022:
 - Drafted CCR regarding monolithic wired glass for Standing Committee on Housing and Small Buildings (SC-HSB) and Standing Committee on Use and Egress (SC-UE)
 - Wrote and submitted proposal to SCC to secure funding for Canadian glass standards revisions
 - First meeting with Standards Council of Canada (SCC) to discuss funding for glass standards
- January / February / March 2023:
 - SCC approved funding request for 3 glass standards
 - 2nd meeting with SCC to develop Statement of Work and Terms of Reference

Committee Activity

- April / May 2023:
 - Review of Canadian Glass Committee membership / solicitation of members / consultation with Chair of SC-HSB, developed list of standard reference documents to be reviewed
- June 2023:
 - First meeting of the Canadian Glass Committee – work commences on CAN/CGSB 12.20, Structural Design of Glass in Buildings
- July 2023:
 - 1st task group (Reference Documents Task Group) created to review and compare CAN / CGSB 12.20 to existing standards

CAN/CGSB 12.20, Structural Design of Glass in Buildings

- 1st task group created: Comparison of Reference Documents
 - met early September to review comparison of Canadian, US, Italian and European standards (ASTM E1300, DT210, Guide for the Design, Construction and Control of Buildings with Structural Glass Elements – Italy; and CEN/TS 19100:2021 Design of Glass Structures.)
 - Objective to develop a list of required revisions and a secondary list of potential changes if time permits to be provided to full committee for action
 - Met biweekly for 3 months to develop the framework for the revision
- Full committee met end of November 2023 to commence work on the proposed first draft of CAN/CGSB 12.20
- Work expected to take 3 years due to age and complexity of standard

CAN / CGSB 12.1, Safety Glazing

November 2023:

- Work commenced on CAN/CGSB 12.1
 - The four task groups will be reconvened at that time: tempered, laminated, organically coated and plastic-coated safety glazing plus additional task group Other Considerations
 - Task group chairs solicited revisions from members – no substantial revisions
 - Added note about safety glazing product certification
 - Added VIG
 - Removed chemically strengthened glass as an exclusion
- Full Glass Committee convened March 12th:
 - CAN/CGSB 12.1 has been sent for Committee Review.
 - Comments due June 2024

CAN / CGSB 12.1, Safety Glazing

- Committee meeting July 16, 2024:
 - Reviewed all comments received / mainly editorial / most resolved
 - Committee voted to remove Annex B, Fracture Analysis
 - Annex C, Climate Resiliency to be rewritten by small task group
- Revised Annex C will be circulated to Committee for review and comment
- Public Review scheduled for fall 2024
- Comments from Public Review to be resolved at late November / early December 2024 meeting.

CAN/CGSB 12.8 Insulating Glass Units

- IGMAC Program Participant Survey
- Standard cannot be withdrawn at this time and will be revised per Standards Council of Canada guidelines for the funding.
- Emphasis on climate resiliency and effects of extreme weather events.
- Summer 2024: Standard will be circulated for Glass Committee review.
- September 2024: Comments will be compiled, reviewed by Chair and distributed to appropriate task group to commence work:
- Possibility of some harmonization with ASTM E2190.

CAN/CGSB 12.8, Insulating Glass Units

- Task Groups created at March 12, 2024 meeting:
 - Durability – Weather Cycling and High Humidity
 - Volatile Fog
 - Gas Content
 - Quality Assurance
 - Other Considerations

Future Actions

- Next committee meeting to be scheduled in November / December 2024:
 - to resolve Public Review comments on 12.1, Safety Glazing
 - Once resolved, standard will be shelved until spring 2026 to allow for possible changes
 - Review progress of 12.8, Insulating Glass Units
 - Review progress of 12.20, Structural Design of Glass



11	Program Testing Results	Agreed to display program testing results review within the CIP (restricted access / behind username and password). Need to include appropriate explanation/disclaimer on what users can and cannot do with the information and how it aligns with SGCC's purpose. Review charts and appropriate wording with the Board before making it available in the CIP.
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12. Program Testing Results Review



Program Test Results

Tempered Failures by Thickness
Laminated Failures by Thickness



Once Disclaimer Verbiage is Approved by Legal & Board this Information will be Available via Licensee's CIP (Certification Information Portal)



(**HANDOUTS** OF EACH CHART IN MATERIAL FOLDER)

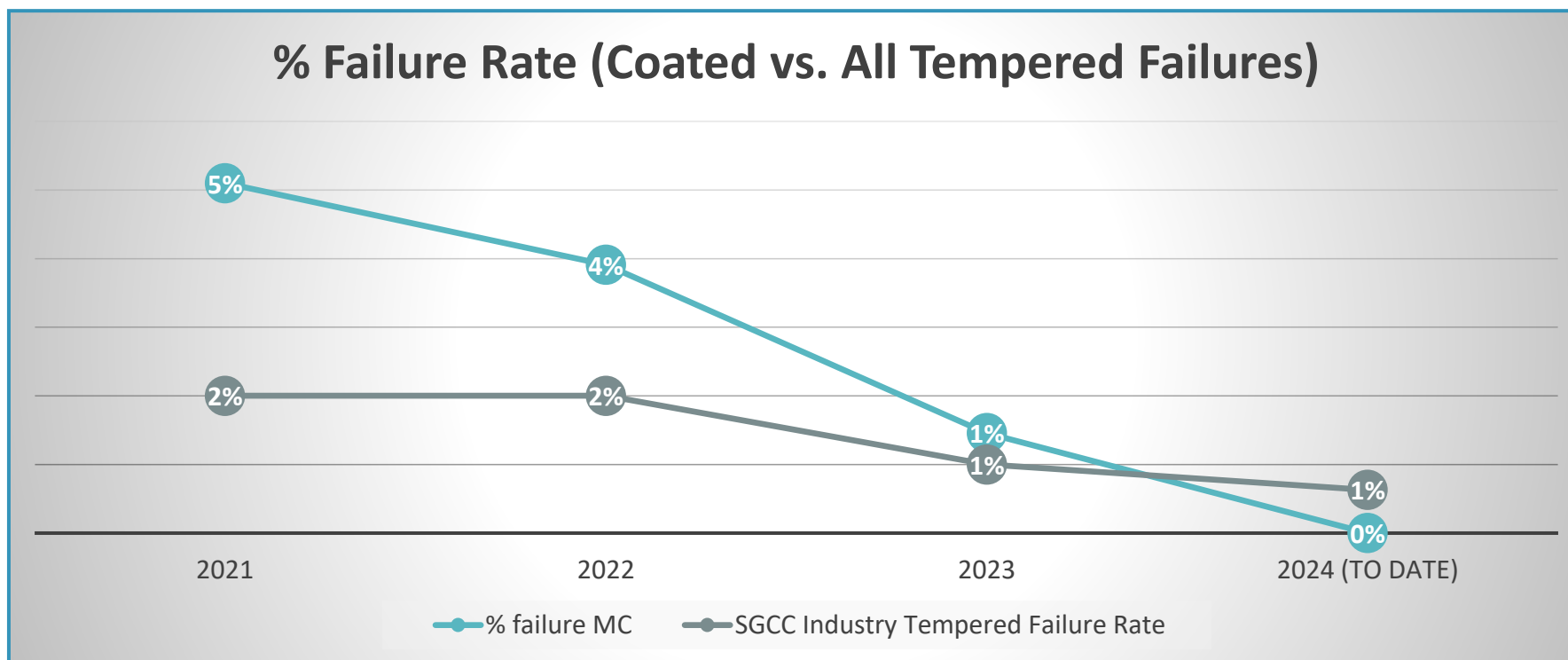




12a. Coated Glass

CERTIFICATION OF TEMPERED COATED GLASS (Added 9/29/2021)

In order to SGCC certify tempered glass with a metalized coating (MC) that is applied to annealed glass prior to tempering (reflective, Low E, other), test results for the MC glass must be initially provided to SGCC. MC testing must then occur at least annually thereafter to maintain the MC designation for a particular thickness of product. Testing of MC product will satisfy SGCC regular testing requirements (likely one MC test and one non-MC test annually). Certification of an MC product shall cover coated and non-coated product of a given thickness. See Guideline T.3 for further clarification. Testing shall be with a sputter coating (soft coat) or a pyrolytic (hard coat), at the discretion of the SGCC Licensee. Testing of any coated product shall cover all coated product.





12a. Coated Glass

Assignment from 2023 Certification Committee Meeting

14	AMS	Continue collecting Coated Glass testing results. Present Coated Glass failure by type (Hard Coat vs. Soft Coat).	Lab SC & AMS
----	-----	---	--------------

	Total MC Tested			Total MC Failure			% Failure			
	Total Tested	MCSC	MCHC	Total MC Failure	MCSC	MCHC	% Failure MC	MCSC	MCHC	SGCC Industry Tempered Failure Rate
2021	451	368	83	23	19	4	5%	5.16%	4.82%	2%
2022	895	657	238	35	25	10	4%	3.81%	4.20%	2%
2023	961	690	271	14	8	6	1%	1.16%	2.21%	1%
2024 (to date)	257	146	111	0	0	0	0%	0.00%	0.00%	1%




13a. Laminated Safety Glass – Update

Certification Period	Plants
First Half 2024 (F24)	<p>SGCC to contact fabricators with existing Laminated Certifications to review the following:</p> <ul style="list-style-type: none">✓ Detailed explanation of New Guidance & Requirements✓ Current Vs. New Certification options based on individual plant needs.✓ New SGCC numbers issued (Not Active Until July 1, 2024)✓ Semi Annual billing for (L24) issued in April will reflect agreed upon changes.
Last Half 2024 (L24) & First Half of 2025 (F25)	<ul style="list-style-type: none">✓ New Certifications activated July 1, 2024 include updated listing & certificate views.❑ Submissions of required initial constructions mandatory from July 1, 2024 moving forward.
Last Half 2025 (L25)	<ul style="list-style-type: none">❑ July 1, 2025 – Laminated Labeling Update Mandatory




13a. Laminated Safety Glass – Update





safety glazing
certification council

Administrative Office, AMS, Inc.
205 West Main Street, PO Box 730
Sackets Harbor, NY 13685
Phone: (315) 646-2234
E-mail: SGCC@amscert.com



ACKNOWLEDGEMENT OF CERTIFICATION

THIS IS TO ACKNOWLEDGE THAT AS OF THIS DATE

VA Glass, LLC.
Ridgeway, VA

IS A CURRENT LICENSEE AND HAS MET ALL GUIDELINES AND REQUIREMENTS FOR THE SGCC® CERTIFICATION PROGRAM AND AS SUCH IS ELIGIBLE TO LABEL THE BELOW INDICATED PRODUCT(S) AS SGCC® CERTIFIED. REPRESENTATIVE SAMPLES OF THE BELOW PRODUCTS HAVE BEEN FOUND TO BE IN COMPLIANCE WITH ANSI Z97.1-2015 AS INDICATED AND CPSC 16 CFR 1201 STANDARDS, KNOWN AS COMPOSITE CERTIFICATION (COMP), OR BOTH STANDARDS WITH CAN/CGSB 12.1-2022 KNOWN AS COMP+CAN.

Laminated Safety Glass

SGCC#	Min. Conf. MM	Max. Conf. MM	Attributes	Type Code	Kind	Max Size	ANSI Class	Test Std
9620	6,6-0.76(b)	8+,8+-0.76(b)		LSG	AN	U	A	COMP
9621	5,5-0.89(ip)	8+,8+-0.89(ip)		LSG	AN	U	A	COMP


Tempered Transparent Glass


SGCC#	IN	MM	Attributes	Type Code	Max Size	ANSI Class	Test Std
12 IN	3/16	5	(IN)	TTG	U	A	COMP
14	1/4	6		TTG	U	A	COMP
93	3/8	10		TTG	U	A	COMP
94	1/2	12		TTG	U	A	COMP
95	3/4	19		TTG	U	A	COMP
2182	5/8	16		TTG	U	A	COMP
8116	5/16	8		TTG	U	A	COMP

THIS SGCC® PROGRAM CERTIFICATION IS CURRENT AND IN FULL EFFECT AS OF THIS ISSUE DATE. CERTIFICATION IN THE SGCC® PROGRAM IS SUBJECT TO SEMI-ANNUAL RENEWAL. PLEASE CHECK THE SGCC WEBSITE AT WWW.SGCC.ORG OR THIS OFFICE FOR MOST CURRENT INFORMATION.

Monday, August 12, 2024
DATE OF ISSUE

1.24
CERTIFICATION PERIOD


ADMINISTRATIVE MANAGER



safety glazing certification council

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

Record of SGCC Compliance Testing


The information contained herein is viewed to be accurate by SGCC, a third party certification agency, as of the indicated date of issue.

Attestation of Compliance: It is a United States federal crime to knowingly and willfully make any materially false, fictitious, or fraudulent statement, representation, or omission on this certificate.

1)	Identification of the Product:	9186; Min. Conf. 6,6-1.52(b) Max Conf. 6,6-1.52(b)
2)	Citation or Standard to Which the Product is Being Certified:	ANSI Z97.1-2015 CLASS A and CPSC 16 CFR 1201 II and CAN/CGSB 12.1-2022
3)	Identification of the Importer or Domestic Manufacturer:	Venicio Inc. 1125 W Mahalo Pl. Compton, CA 90220 USA Phone: 877-526-2474
4)	Contact Information for Individual Maintaining Records of Testing:	See 5) below
5)	Date and Place of Manufacture:	Date Available from Manufacturer Mr. Javier Ordóñez Venicio Inc. 1125 W Mahalo Pl. Compton, CA 90220 USA Phone: 877-526-2474 Email: casttempjavier@gmail.com
6)	Date and Place Product was Tested for Compliance:	7/3/2024 Construction Consulting Laboratory Inc. Western Division 4751 W State St Ste B Ontario, CA 91762 Phone: (909) 591-1789 Email: Jack@ccl-west.com
7)	Identification of Third Party Laboratory:	See 6) above

For additional information, contact the manufacturer or US Importer directly

7/3/2024
DATE OF ISSUE


ADMINISTRATIVE MANAGER

CPSC Updates:

- Attestation of Compliance
- Email Address of Plant Contact



13a. Laminated Safety Glass – SGCC Accepted Interlayer List

Appendix A

How to get on the SGCC Accepted Interlayer List

SGCC shall maintain a list of accepted interlayers per generic category. For a specific model of interlayer to be placed on the accepted list, weathering, and impact data to the applicable reference standard (ANSI Z97.1, CPSC 16CFR 1201, or ASTM C1900) must be submitted to SGCC for review and acceptance.

(Formally Laminated Guideline L.10) For certification to ANSI Z97.1 section 5.4, weathering tests on laminated glasses shall be performed on the thinnest construction of all components in clear glass with clear interlayer. Weathering tests shall only be required initially. Weathering data will be accepted from the glass fabricator, or a supplier, i.e. interlayer manufacturer. Since SGCC's acceptance of weathering data is a "one-time" event, no formal weathering lab approval will be required. However, at time of weathering data submittal, the weathering test facility shall submit an explanation why they are competent to perform such tests. Justification of competence shall be judged on any facility's history and experience. (Revised 1/30/2012)

Weathering data is accepted from interlayer manufacturers with a signed affidavit stating the weathering was carried out in accordance with either ANSI Z97.1 and/or ASTM C1900. The data showing zero-time values and delta values for visible light transmittance, yellowness, haze, and color (Delta E) must also be provided. All weathered laminates must be below 7.24 mm overall thickness. Testing of an interlayer covers all thicker and colored interlayers of the same type. Weathering data may also be submitted by independent third parties. Impact test reports must be provided by an SGCC licensee or by an interlayer supplier. Impact testing must be done at an SGCC Approved Testing Laboratory. A list of accepted interlayer brands per generic category shall be maintained and published by SGCC. Impact certification of laminated glass containing one brand of accepted interlayer will allow use of other SGCC accepted interlayer brands within the same generic category.

Once passing test results have been achieved, the report(s) should be forwarded to SGCC for review and an Approval Letter for Interlayer Acceptance will be issued to the supplier. Once approved, the SGCC List of Accepted Interlayers (SD-99) list will be updated and published to the SGCC public website.

Questions

- Should thickness of impact samples be defined clearer?
 - Can an interlayer be certified if weathering cannot be performed on a sample less than 7.24 mm overall thickness?
- Is a letter of equivalency enough to place a new “model (formulation) of interlayer” on the Accepted Interlayer List if the base resin has already been accepted?

13b. Laminated Glass Chronology

- Summary of Laminated Glass Development
- Highlights by decade



15. Old/New Business





September 2025						Calendarpedia Your source for calendars	
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
31	1	2	3	4	5	6	
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30	1	2	3	4	

16. Next Meeting (2026)

Tampa, FL - October



	City	Vote
1.	Philly, PA	V1: 6
2.	Tampa, FL	V1: 8
3.	Fort Myers, FL	V1: 6

THANK YOU
for your
participation



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