"Keeping Up with the changes in Testing, Certification and Product Approval Programs"

John McFee WDMA Certification programs
Program Overview

- What is product certification?
  - What is Certification
  - Define Third Party Administration and Inspection
  - ANSI Accreditation
  - Linkages to Performance Standards to the Building Code

- Product Approval Process
  - Florida Product Approval System
  - Texas Department of Insurance
Key Elements of the Certification Process

- **Independent Testing**
  - Third party independent testing
  - Total product testing most programs on a 4 year certification cycle

- **Independent validation**
  - Process is independent from the manufacturer

- **Inspection**
  - Third party independent inspection process.
3rd Party Certification

A process whereby a neutral, independent party evaluates, attests or affirms the validity of some claimed characteristic as presented between two other parties (In this case a Buyer and a Seller)
ANSI Accreditation Process

- **ANSI** accreditation of certification programs
  - American National Standards Institute
    - Standards development
    - Certification
  - Conformity Assessment
  - Review of the process including
    - Validation process in accordance with **ISO Guide 65**
    - Laboratories follow **ISO Guide 17025**
    - Inspection forms and Quality Manual
    - Facility inspections
    - Process for corrective action
    - Program participant’s appeal process
Quality Assurance - General

- **Establish** Minimum Criteria Standard
  What do “You” Require??
- Document Procedures
  Write it down
- Document Internal *Inspections*
  Check, Test, Inspect, Follow-up
- **Review** Findings w/ Key Personnel and “feed it back” into the process

ESTABLISH ⇒ INSPECT ⇒ REVIEW
Quality Assurance - General

Say What You Do,
Do What You Say,
And Be Able to Prove it
Minimum QA Requirements

As Requested During Inspections

- Quality Manual – official copy, working document
- Designated Point of Contact – who’s responsible
- Written Procedures
  - Material/Product Inspection
  - Non-Conforming Material/Product
- Measurement Equipment Calibration
- Internal Quality Audits – Review “the system”
- Customer Complaint System – Feedback
Minimum QA Requirements

ARE WE MAKING THESE UP??

ISO Guide 65  ANSI
“Quality System shall be Documented in a Quality Manual”

ISO Guide 28  ⇒ Manufacturers
“Assessment of Factory Quality Management Forms Part of the Inspection”
QUALITY ASSURANCE 101

SAY WHAT YOU DO, DO WHAT YOU SAY

IF IT ISN’T WRITTEN DOWN, IT DIDN’T HAPPEN
WDMA & FMA

We are here to assist you in meeting the standards the industry has selected…
Utilize certification programs to meet the mission of the Industry

The Window & Door Industry Associations define the standards of excellence in the residential and commercial window, door and skylight industry and advances these standards among industry members while providing resources, education and professional programs designed to advance industry businesses and provide greater value for their customers.
Standards Applications

- Building Codes
  - Florida Building Code
  - Texas Department of Insurance
Standards History

**Industry Standards**

- The most recent version of the Florida Building Code went into effect on March 15, 2012.
- *TAS 201, 202 & 203*
- *101/I.S/A440-08, 05 & 97*
- *Reference to ASTM E1996-02, 06 or 09*
- *Rule development started on April 19th to add to 2005 version of ASTM E1996 as equivalent for no mulled products.*
Florida Product Approval Rule

- Methods of Compliance
  - Test Report
  - Evaluation Report
  - Certification
Product Approval Database

- The Building Code Information System (BCIS) is under review for refinement.
- The industry is being asked for input on the system for improvement.
- The intent is to review the requests and identify the items for implementation with the most impact.
Windows, Skylights and Doors Matter!

BCIS Updates

- Description Fields- the requirements are intentionally vague to allow for an array of products. List model
- Standards – The standards field should be pull-down menu with only the standards that are listed code.
- FL number Extensions and descriptions - Sort numerically on FL
BCIS Updates

- Clearly identify if the application is under an administrative review or technical review.
- Allow the validation entity to give feedback back to the applicant through the system.
- Allow the validation entity to retract the validation.
BCSI Update

- Please review the system
- Please provide additional comments to Dick at FMA.
TDI Program Overview

- History of TDI
- TDI Product Approval Program
- What dose this mean to the Fenestration Industry?
- Where do we go from here?
TDI History

- Texas Department of Insurance date back to 1876
- The constitution of Texas adopted that year authorized the Legislature to create the office of Insurance Commissioner
- 1991 - 72nd Legislature passes the most comprehensive insurance reform legislation (HB2 and HB62) in Texas history. The State Board is renamed the Texas Department of Insurance.
Windows, Skylights and Doors Matter!
Building Codes

- International Residential Code (IRC) with modifications

  or

- International Building Code (IBC) Publications with modifications
Industry Standards

- Window products shall be tested and bear a label indicating compliance with AAMA/WDMA/CSA 101/I.S.2/A440 as specified in Section R613.4 of the IRC and Section 1714.5.1 of the IBC.
Windows, Skylights and Doors Matter!

Submittal Requirements

- Windborne Debris Testing: The window product must also be tested in accordance with:
  - ASTM E 1886 and ASTM E 1996
  - Labeled indicating compliance and indicate the missile level and design pressure rating.
Submittal Requirements

- Basic design wind speed requirements for construction in the designated catastrophe areas along the Texas Gulf Coast are as follows:
  - Inland II Zone: 110 mph, 3-second gust
  - Inland I Zone: 120 mph, 3-second gust
  - Seaward Zone: 130 mph, 3-second gust
Submittal Requirements

- Cover letter as described in Section 1.0.
- Test report in accordance with AAMA/WDMA/CSA 101/I.S.2/A440
- Lab stamped drawings
- Test report & drawings in accordance with windborne debris resistant products.
• Thank You
• Questions and Answers?