AISC Certification Programs Update

AASHTO SUBCOMMITTEE ON BRIDGES AND STRUCTURES
NORFOLK, VIRGINIA

Jacques Cattan
American Institute of Steel Construction
Vice President of Certification

May 18, 2011
• AISC Certification
  1970s - 2010

• AISC Standards

• Audit Science

• Certification Programs

THANK YOU!
AISC Certification until 2010

Certification 1970s-2010

AISC CERTIFICATION
300 Fabricators
30 Erectors

PROGRAMS
AUDITS
STANDARDS/CHECK LISTS
AISC Certification in 2010

Certification 1970s-2010

PROGRAMS

AUDITS

STANDARDS

AISC Engineering
AISC Certification in 2011

Certification 1970s-2010

Auditing

AISC Certification

PROGRAMS

STANDARDS

AISC Engineering

DITS
AISC Certification in 2011

- PROGRAMS
  - Auditing
  - Audits
  - Standards

AISC Certification
Over 1000 Fabricators
Over 300 Erectors
Certification Standards Committee (CSC)

- Develops Quality Management Systems Standards
- Follows ANSI Process (Balance, Balloting and Public review)
- Balanced Committee Equal Number of:
  - Industry Members (fabricators, erectors)
  - Consultants (engineers, architects, DOTs)
  - Others (quality assurance consultants, inspectors, auditors, building officials)
Two New Standards in 2011

- Certification Standard for Shop Application of Complex Protective Coating Systems
- Certification Standard for Steel Bridge Fabricators
• "audit" from the Latin root auditus meaning "a hearing"
• What? to perform an independent assessment of a system
• How? detailed examination and verification of a system
• Why? to determine the effectiveness of that systems ability to control risk for effective business management purposes.

NOT to inspect a product
AISC Certification Programs

Effective system

Able to control risk

For business management purposes
Certification Advisory Committee (CAC)

• Develop and Manage Certification Programs
  ✓ to confirm to owners, designers, and the construction industry
  ✓ that a certified structural steel industry member (producers, distributors, suppliers, detailers, fabricators, erectors)

• Has effective business management to produce, distribute, supply, detail, fabricate, or erect structural steel by controlling risks inherent in facilities, personnel, organization, experience, procedures, knowledge, equipment, and commitment
Effective Business Management

AISC Certification

Quality Management Systems (QMS)

Future Certifications

TBD

Industry Member

Certifications

Certification Programs

Fabricator

Steel Buildings

Steel Bridges

Future Certification

Erector

Bridge Component Endorsement

Fracture Critical Endorsement

Sophisticated Painting Endorsement

Erector

Advanced Erector

AISC Quality Management Systems Certification for Steel Bridges for Fabricator.

AASHTO Subcommittee on Bridges and Structures, Norfolk, VA

May 18, 2011
Quality Management Systems Certification

- Initial Onsite Audit
- Initial Documentation Audit
- No More Waivers
- Annual Onsite Audit
- Complaints and Allegations Procedure
- Qualified Random Audits
- Your Feedback… www.aisc.org
THANK YOU!

Jacques Cattan
cattan@aisc.org