



ICC Orange Empire Chapter

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ICC-ES History / Background

- § Evolution from closed meetings of ICBO to open hearings of ICCES
 - § Benefits of world renown open hearing process
 - § Resource for vast technical knowledge

ICC-ES History / Background

- § Evaluation Committee expertise (CA specific)
 - § Building code specific
 - § CA structural engineers, licensed architects & professional engineers

ICC-ES History / Background

- § Professionally licensed in-house technical staff
 - § Well versed in seismic design & in-house staff
 - § Familiarity with UBC/IBC & access to history of specific code items / become ASTM standards
 - § Association with the four CA technical agencies involved with building codes

Competition

- § Customers are offered choices
- § Drives innovation and improvement
- § Multiple evaluation services place burden on the building official
- § CA code officials have been using ICC-ES reports for more than 50 years and have an established level of confidence

Assessing the Evaluation Organization

- § Evaluation reports available from four very different organizations
 - § ICC-ES
 - § IAPMO ES
 - § Architectural Testing, Inc.
 - § NTA, Inc.

Accreditation

- § Product Certification Agencies (PCAs) vs. Technical Assessment Organizations (TAOs)
- § ISO Guide 65

Product Certification Agencies

§ PCAs evaluate products for compliance with standards

§ UL

§ Intertek Testing Services NA, Inc.

§ Architectural Testing, Inc.

§ NTA, Inc.

Technical Assessment Organizations

- § TAOs review products and systems for code compliance
- § Develop requirements for alternatives
- § ICC-ES is a TAO
- § ICC-ES participates in WFTAO (World Federation of Technical Assessment Organizations)
 - § DIBT (Germany)
 - § CSTB (France)
 - § Agreement South Africa

ISO Guide 65

- § Applies to PCAs
- § Modified by ICC-ES to fit our process
- § ANSI accreditation for TAOs applies to the *system*, not the *effectiveness* of the review

Acceptance Criteria

- § Public hearings for alternative materials
- § Transparency
- § Support of industry
- § Not standards
- § Not intended for PCAs to issue certifications

Acceptance Criteria

- § Requires evaluation
- § Made available publicly
 - § For code official use in accepting ICC-ES Evaluation reports
 - § For testing lab & inspection agency use to provide data to ICC-ES

Acceptance Criteria Used by Others

- § What is their knowledge of the criteria?
- § Misapplication
- § Misinterpretation
- § Questions from code officials – where do you go?

Staff

§ ICC-ES = Experience

- § Long history of working with many industry sectors
- § Participation in Acceptance Criteria development
- § Participation at standards development
- § Monitor building code development

§ In-house peer review

- § Consistency in reports
- § Available to respond to code officials' questions

Relationship to ICC & ICC Membership

- § ICC-ES represents the needs of the code official
- § Oversight of ICC-ES at board and committee level by code officials
- § Access to history of codes

Extension of the Building Department

- § Service oriented, not profit driven
- § Independent
- § Public safety
- § Transparency

- § Time and cost are important to manufacturers but ICC-ES does not put either ahead of:
 - § Technical Competence
 - § Consistency
 - § Transparency

Evaluation Reports

- § Reports designed to copy ICC-ES
- § Identical reports do not reflect expertise
- § Confusing and misleading as to the source

Impact on Code Officials

- § Added burden, responsibility
- § Need to consider:
 - § Accreditation – PCA or TAO?
 - § Basis of reports – independent or dependant on ICC-ES?
 - § Staff – in-house staff that can establish technical policy?
 - § Knowledge of standards, codes?

Summary

§ ICC-ES

- § Issuing evaluation reports on building products for over 50 years
- § Formed to meet the need of ICC membership
- § The benchmark against which others should be judged



Thank You

Questions?