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C. CODES AND REGULATIONS

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CODES AND REGULATIONS

BY
JESSE J. BEITEL
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Presented at
NIST Fire Test Laboratory Workshop
June 18, 2001

J. Beitel, HAI

Codes and Regulations

+ Drive need for tests
+ Specify test & performance levels

Types of Tests in Codes

+ Standardized Tests
  o NFPA
  o ASTM
  o UL
  o Other
+ Ad Hoc Tests

Future Testing

+ Greater reliance on Ad Hoc Tests
+ Newer larger-scale fire tests
+ More instrumentation/data

Codes Typically Require

+ Accredited laboratory perform test
+ Tests performed in accordance with test method

Codes and Regulations

+ Codes
  o Building/Fire/Mechanical
  o Life Safety
+ Regulations
  o CFR’s
  o Other Government
  o Commercial/Industrial

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Raw Text End
Laboratory Participation

+ Standards – making organizations
  o NFPA/ASTM
  o The “How & What”
  o Build technical expertise
+ Code/Regulations
  o The “Why, Where, When & Intent”
  o Builds technical expertise
  o Builds future business planning

Expectation of Code and Regulations

+ Quality performance by Laboratories
+ Results are meaningful
+ Results are equivalent

Laboratories Must Provide to Codes and Regulations

+ Quality performance by Laboratories
+ Meaningful results within the scope of the test
+ Equivalent results – within lab and lab-lab
+ Input with respect to test methods