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U.S. Department of Commerce
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No movement toward Regional Harmonization

Significant Increase of Fire Loss and Large Fires in NICS during 1990s

Growing Interest in ISO

Little Experience with Performance Oriented Fire Tests

Yuji Hasemi
Building Research Institute
Japan
HISTORY AND BACKGROUND

1982 - 1987  MOC R & D Program on Fire Safety Design Method
1986 - 1991  MOC R & D Program on Wooden Construction
1992        ISO Domestic Liaison Secretariat moved from JISC to I²BH
1993 - 1998  MOC R & D Program on Fire Testing
1998 June    Revision of Building Standard Law (BSL) toward Performance-based Standard
2000        Liberalization of BSL Fire Safety Appraisal
2000 June    Revision of BSL Enforcement Orders
              Revised and New MOC Notifications
MOC Sopro Proposal for Reaction-to-Fire Test Framework

Reference

- ISO9705 Room Corner Test
- Alternatives for limited fire scenarios and materials
- Revised Model Box Test
- ISO5660 Cone Calorimeter
BRI Proposal for the New Reaction-to-Fire Test Framework

- ISO9705 Room Corner Test
- Revised Model Box Test
- ISO5660 Cone Calorimeter
New BSL Reaction-to-Fire Test Framework

Successor of the Surface Test

- ISO5660 Cone Calorimeter
- Gas Toxicity Test?

Evaluation of Design Solutions

- ISO9705 Room Corner Test?
- Revised Model Box Test?