

Meeting: ISO/TC92(Fire safety) / SC1(Fire Initiation and Growth) and its working group meetings

date: from 14 to 17 November, 2005

Venue: South-west Research Institute, San Antonio, Texas, USA

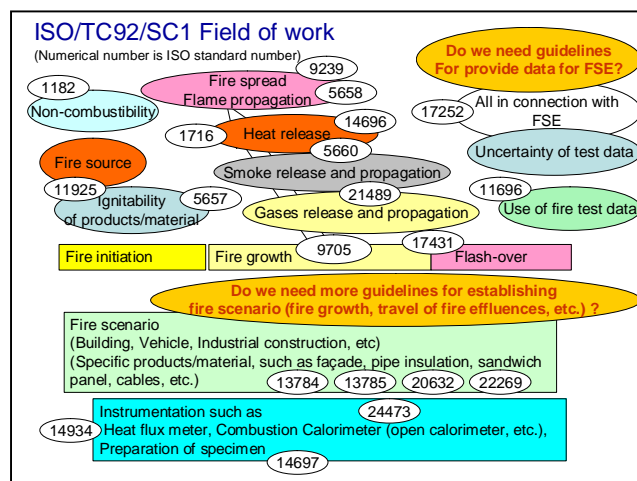
## Participation from NMRI

**Koichi Yoshida**

Principal Research Coordinator



ISO/TC92/SC1 meeting in San Antonio



ISO/TC92/SC1 Work programme

## 3. Standard development

Yoshida provided, as the project leader or co-leader, the following standards:

ISO TS 17431: Fire tests - Reduced scale model box test

ISO FDIS 14934-3: Fire tests - Calibration of heat flux meter - Part 3: Secondary calibration

ISO TS 14934-4: Calibration of heat flux meters - part 4: Guidance on the use of heat flux meters in fire tests

ISO DIS 21489: Fire- tests - Method of measurements gases using FTIR in cumulative smoke test

In addition, following standards are also in the process of development in ISO/TC92/SC1:

ISO TS 5658-1: Guidance on flame spread (revision)

ISO 5658-2: Lateral spread on building products in vertical configuration (revision)

ISO 14697: Guidance on the choice of substrates for fire tests

ISO 5660-4: Measuring heat release for determination of low level combustibility

ISO TS 22269: Full-scale stairs test

ISO 20632: Room test for pipe insulation

ISO 24473: Open calorimetry

ISO 14934-1: Calibration of heat flux meters - part 1: General principles (revision)

ISO 14934-2: Calibration of heat flux meters - part 2: Primary calibration

## 4. Next meetings

ISO/TC92/SC1 and its working groups and task group will meet on 2 to 5 May 2006 in ischia, Italy.

## Major contributions to the meeting

### 1. ISO/TC92/SC1 Chairman

Yoshida has been the Chairman of ISO/TC92/SC1 since 2004, and chaired this SC1 meeting. Eight P-members of ISO/TC92/SC1 met with 22 delegations.

### 2. ISO/TC92/SC1 work programme

ISO/TC92/SC1 has been developing various ISO standards relating to fire safety, which relate to fire initiation and growth concerning products, materials, systems and components of building, transportation sectors (ships and offshore structures, train cars, land vehicles and airplanes) and other constructions. These standards have given possibilities of fire safety evaluation and assessment of these constructions, as mentioned as Fire Safety Engineering (FSE). Yoshida summarized the activities and standards of ISO/TC92/SC1 as in figure left.

ISO/TC92/SC1 has the following working groups and a task group:

WG3: Spread of flame tests

WG5: Rate of heat release tests

WG7: Large and intermediate scale fire tests

WG10: Calibration of heat flux meters

WG11: Applicability of reaction to fire tests to FSE

WG12: Measurement of smoke gas components

TG8: Uncertainty of measurements

IMO (International Maritime Organization) has been using, in its mandatory and non mandatory instruments, various ISO standards developed by ISO/TC92/SC1 such as ISO 1182, 1716, 5658-2, 5660-1, 9705. ISO DIS 21489 is being developed under the demand of IMO.