



WORKSHOP DAY 1

FIRE SAFETY

Fire Safety Flips

Group 1

Centre of excellence

- Objective orientated research
- Answers to questions
- Solutions that can economically be realised

Issues

- Testing to mind limited to small scale testing
- No medium to large scale standards
- Standards should also confide the economic implications
- Standards have to confides also combination of different products

Group 2

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- Source of professional advice
- Appropriate materials for application
- Personal contacts
- Communication of developments
- R&D results/ experience
- Mechanism for dealing with common issues
- Avoid duplication of effort
- Avoid regulation – free thinking
- Drive forward knowledge
- Help customers
- Help EC find solutions e.g. cross borders
- Drive political agenda

Two Biggest Concerns

1. Put in context total risk analysis
2. Levels of safety / business case / practical

Lack of pragmatic approach



Negative approach
Network differences

Group 3

Centre of Excellence

- New standards – ability to ask questions/queries
- Contacts (database of competencies)
 - o Who does what where?
 - o Potential for merit/Stav onwards – level of service, capabilities
- Q&A forum – posting and respond to questions and answers

Biggest Concerns

- Preservation of human life
- Systems approach to prevention of fire and the effects on safety

Group 4

Centre of Excellence

- Independence
- Communication
- Database of expertise
- Information – materials/standards
- Focus on applications
- Advisory forum – all focus groups, suppliers, end users

Biggest Concerns

- Smoke
- Toxicity
- Fire effluents
- Mitigation of effects of fire (eng approach)
- Knowledge of EU standards
- Limits for special fire tests
- Demand too high
- Expenses and complexity of testing
- Higher costs
- Costs and practicability



- Lost time until EU standard is law
- Balance of fire standards and overall safety
- Practical aspects based experience not theory
- Complexity of norms
- Fire safety vs other tech performance
- Costs – selling/testing

Group 5

Centre of Excellence

- Contact with known independent experts
- Independent support – interpretation
- New input
- Knowledge of good/bad materials
- Better understanding of EU norm c/w nat standard
- Understand different country philosophies
- To collect knowledge on material specification
- Understand what safety means
- Different standards for systems
- Improve fire safety methods

Biggest Concerns

- Combination of technical solutions vs standards (total risk)
- Existing materials don't meet requirements
- Enforcing new standards of old equipment (materials)
- Effort to meet standards
- Replacement of composite by metal (loss of business)



- Interface between infrastructure and risk
- Where are the test labs?
- High requirements for long tunnels
- Improving safety for pass in old stock
- How to improve test methods
- How do we obtain European Approval right now
- Timescales for enforcement
- Cost to approve 10%

Group 7

Centre of excellence

- Clear guidelines on the role/scope of CofE
- Clear terms of reference
- Database of standards, people, materials, suppliers
- Adhere to compliance law (cartel)
- Overall understanding - resolve conflicts
- Steering committee to steer future research standards
- Lobby the EC & seek funding
- Common voice European best practice
- Needs a structure (In charge etc)
- Clear & updated guidelines for fire safety (related to actual risk)

Biggest Concerns

- We don't consider all the risks (petrol bomb)
- Open the market material in vehicles (good thing)
- Carriers under estimate the need for improved safety
- Passive safety standards don't recognise developments of improved active suppression (fire) systems
- Standards may restrict / prevent use of materials that are otherwise beneficial
- Cost of testing/ certification, cost of components/ raw material



Group 8

Centre of Excellence

- Should reflect practicalities
- Different views
- More info available about new European requirements
- General resource for information on standards, laws, requirements
- Common understanding of the risks
- Input from other people to the standard i.e. those that don't normally contribute
- Inform the group on the background to the standard
- Names and contacts on specific subjects
- A platform for information exchange between all groups
- To influence the standard

Biggest Concerns on Fire Safety

- Having a processable material that passes the standard
- Materials being disqualified by the standard
- Who draws the line in terms of classification
- Materials may be demoted
- "Plastics" being replaced by metals
- Danger of not thinking at a systemic level



- Getting approvals for components inc. the expense
- Also an opportunity for some materials
- Have a rule for all standards - guidelines