

Checklist for the Case studies 2011-2012

The authors of Case study a kindly asked to follow the points below as much as possible to describe fully the selected subject. For format please follow the template. Thanks.

1. Abstract
2. General building description
(Location, usage, sizes, unusual features)
3. On what part of the project was fire engineering used and the purpose of choosing a fire engineered approach?
(this can be generally structure, smoke movement and egress or any combination of the three)
4. Regulatory requirements for the fire engineered part of the project
5. Assessment strategy
(list the steps undertaken in the detailed assessment)
6. Performance / assessment criteria
(explain at when design situation is deemed to have failed)
7. Considered design fire scenarios
(list the fire scenarios, which were considered and ruled out on the way to select the design fire and explain why)
8. Selected design fires
(Description of the design fire including Time-HRR or Time-Temperature curves – discuss applicability of the selected design fire for the considered scenario)
9. Description of the smoke or heat transfer analysis
(this is depending on the type of assessment)
10. Thermal response of structure or behaviour of escaping people
(this is depending on the type of assessment)
11. Mechanical response of structure
(this is depending on the type of assessment)
12. Description of the process and the challenges of the approval by the stakeholders
(tell the storey how the project got approved and what problems/questions occurred)
13. Communication and checks of the fire engineered solution from report to construction site
14. Consideration of the consequences of the chosen solution on the whole lifecycle of the building
(are there any ongoing management or maintenance requirements caused by the fire engineered solution?)
15. Conclusion
16. References