

SUpport to SAfety ANalysis of Hydrogen and Fuel Cell Technologies

Verification type	Methodology
Database reference	MET-11
Topic / Application	Nuclear Safety
Physics	General
Summary	Process for verifying (and validating) 5 fire models
Description	<p>This report documents the verification and validation (V&V) of five selected fire models commonly used in support of risk-informed and performance-based (RI/PB3) fire protection at nuclear power plants (NPPs).</p> <p>All five models have been verified by this study as appropriate for fire protection applications, within the assumptions for each individual model or sub-model. The project team used guidance in ASTM E 1355 about the theoretical basis and mathematical and numerical robustness to make this determination. The verification for each model is documented in Volumes 3 through 7.</p>
Case Title	Verification and Validation of Selected Fire Models for Nuclear Power Plant Applications Volume 1: Main Report
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Year	2007
Online reference	NUREG-1 824 EPRI 1011999
Case image	
Governing equations	
Results	