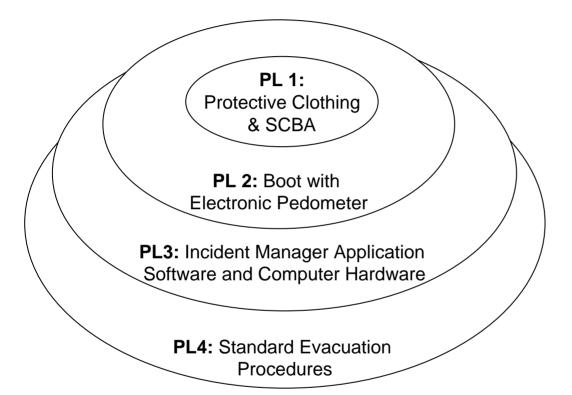
Reduced Risk

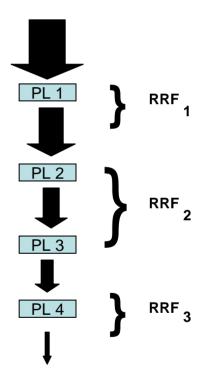
Intolerable Region	Risk is refused
ALARP Region	Risk is as low as reasonably practical
Broadly Acceptable Region	Risk is insignificant

Layer of Protection (PL)



Risk Reduction Factors (RRFs)

Initiating Event: rapidly rising temperature



Impact Event: Loss of first responder's life due to rapid-fire progression

Functional Safety Goals

Life Cycle

Design and Performance

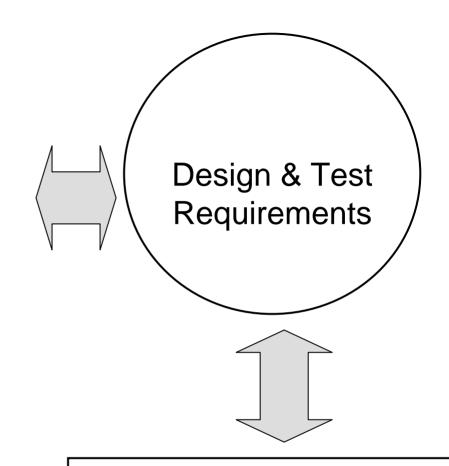
Configurability

Compatibility/Interoperability

Scalability

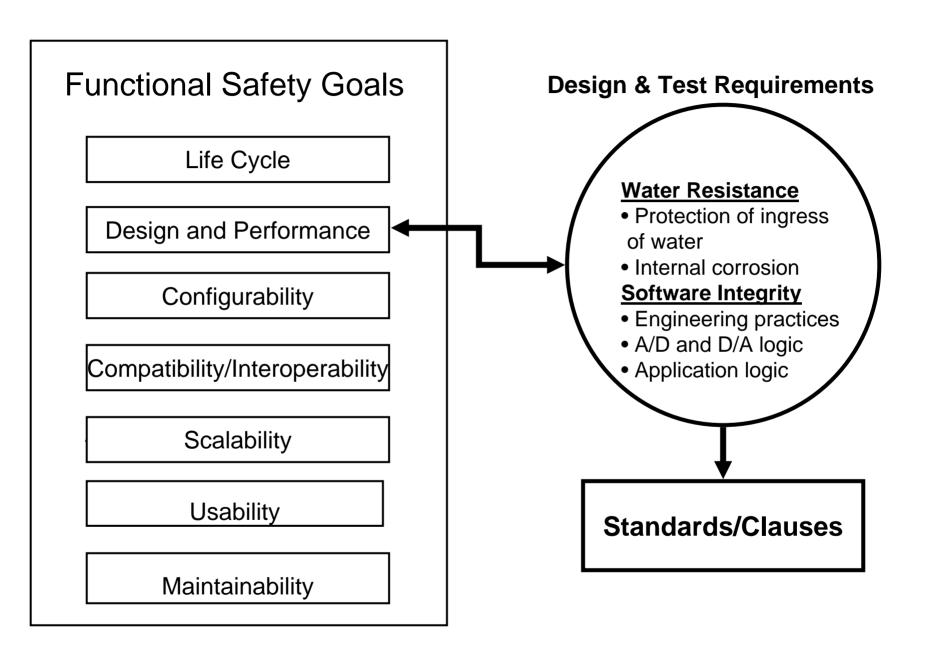
Usability

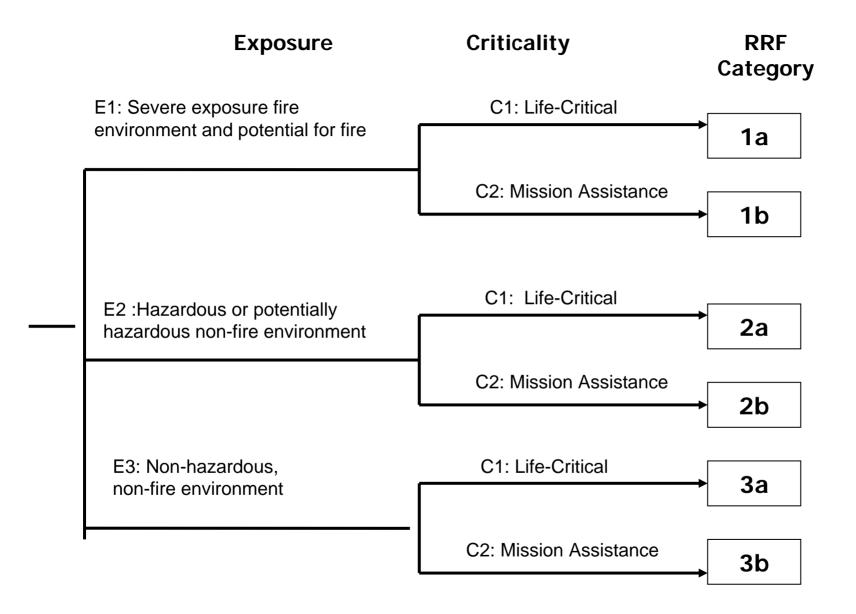
Maintainability

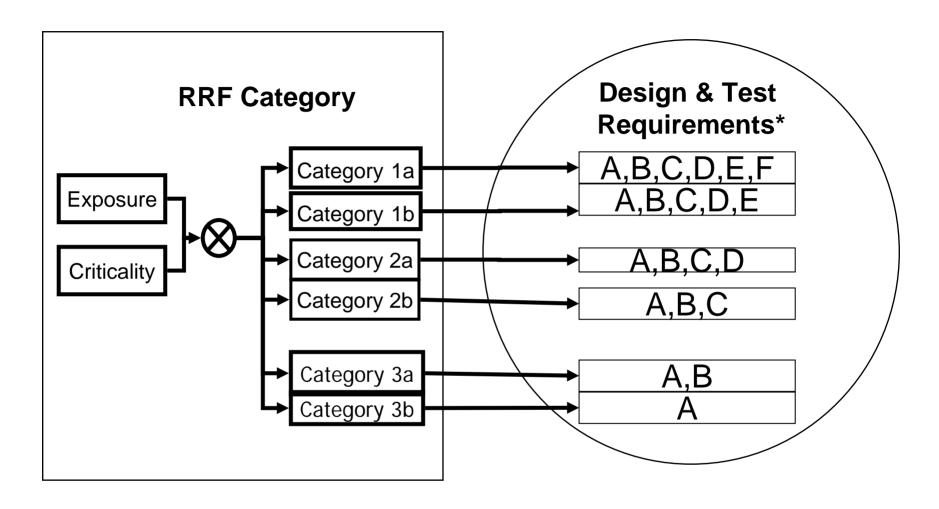


Compliance Requirements

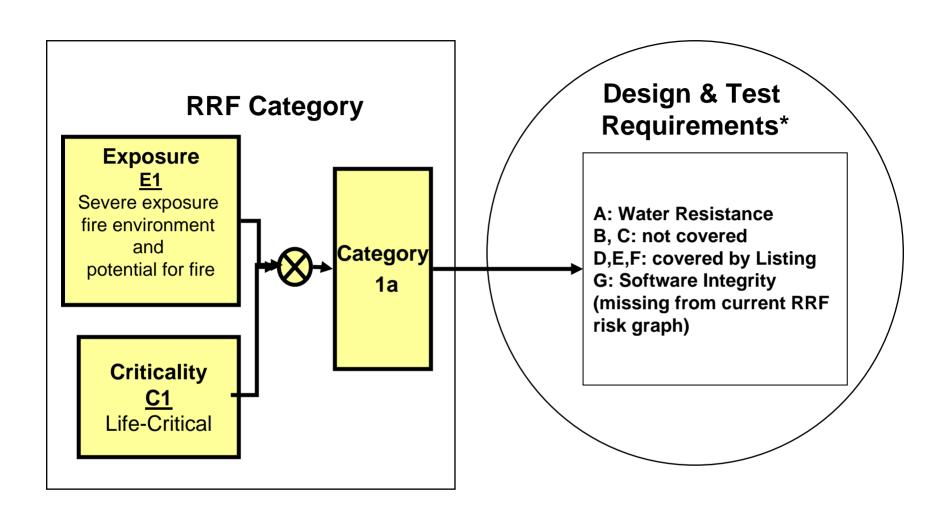
- OSHA
- DOJ
- NFPA
- UL

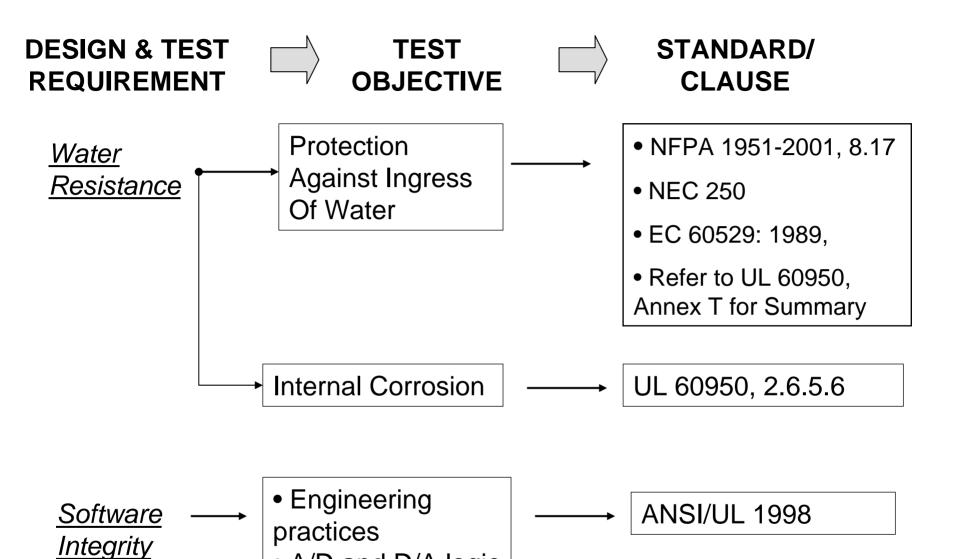






^{*}Listed products may already have been demonstrated to meet some or all of the design and test requirements for the NFPA Safety Integrity category.





A/D and D/A logic

Application logic

