







Integrated software design to enable PRA Analysts and NFPA 805 Engineers to maintain Fire Probabilistic Risk Analysis data.

Efficiently control and navigate FPRA program information for risk insights, significance determinations or quantification. Perform what-if scenarios while maintaining configuration control.

## **Features**

- + Maintain Fire PRA Scenario Data
- Specify Fire Targets by Cable, Raceway, Equipment, and Basic Event
- + Maintain Ignition Source Data and Calculate Ignition Frequencies
- + Perform Cable Failure Mode Likelihood Analysis (CFMLA)
- + Automated Fire Altered Basic Event process
- + Generate a Ready-to-Quantify FRANX File Populated With Fire Scenarios, Target Sets, and Routing Data
- + Import Quantification Results from FRANX to support standardized results reporting
- + Scenario Impact Reports
- + Cable Damage Importance and Criticality Ranking

	PAU		1.04E-00	140/
	A1	Lower Hallway	3.50E-06	11%
	A2	400 Elevation Aux Building	5.55E-06	18%
	A3	Cable Spreading Room	1.11E-05	35%
		Main Control Room	1.15E-08	0%
	A4	HVAC Room	0.00E+00	0%
	A5	Taggina Chare	2.11E-06	7%
	A6	- Lugter Pump Room A	1.57E-06	5%
uipment, and	B1	Luctor Plimp Room B	1.57E-06	6%
juipinent, and	B2	Feedwater Pump Room C		1%
	В3	Diesel Generator A Room	2.10E-07	2%
	C1	Diesel Generator B Room	7.62E-07	
e Ignition	F2		1.11E-07	22/
		Scenario Fure	2.51E-08	1.40/
	A4.33	45-FDea	4.48E-06	00/
alysis (CFMLA)	A3.310	45-FDS4 MCB Fire Description	1.08E-0	8 0%
ily3i3 (OI WEA)		TUS1 TIME Fire	— T	
6		FDO- II/G N	$\frac{1}{3}$	CDF % Contribution
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Samuelata al Milita	TB.7004-F	Pump Fire (Electrical)  Pump Fire (Oil)  DS2  T/G Cataster	1.2	5E.00
Populated With	TB.7003-FL		0.34	F.037 40 1
ata o	A1.1000-FD			30%
10 F	30-FDS	S2 Electrical Cabinet Fire No Suppress Transient Fire Electrical Cabinet Fire No Suppress Transient Fire	6.93E	-07 2%
P 5		Pump Fire (Oil)  Transient Fire  Flectri	6.84E-0	07 2%
ن الله الله الله الله الله الله الله الل		Electrical S		2%
Other 1.34E-06  82. 1.5TE-06  82. 1.5TE-06		Electrical Cabinet Fire	4.25F.03	1%
7. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Fire (F)	3.45F.0=1	1%
81, 2.11E-06		ire (Electrical)	1 ≥.66F-n=1	1%
122 6		binet	2.10E-07	1%
Expo		binet Fire Suppression	1.87E-07	1%
	14	et Fire N	1.06F.0-1	1%
	~4,	1.11E-05	6.62F-no1	0%
A2, 3.50E-06			0.55F. not	0%
-06		mer Catastrophic	5.60F.0st	0%
		ire	4.64F.00T	0%
		ire Suppression	4.61E-08	0%
To		3	05E-08	0%
TB, 4.48E-06		lage 1.6		0%
A3 c		ormer N	5E 0-T 00	
10, 5	.55E-06	odiastropt 0.23	F.001 00	
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			107 09/	
		- 2.30E	1-7	$\overline{}$
		0.00E+0	0%	

Description

% Contribution

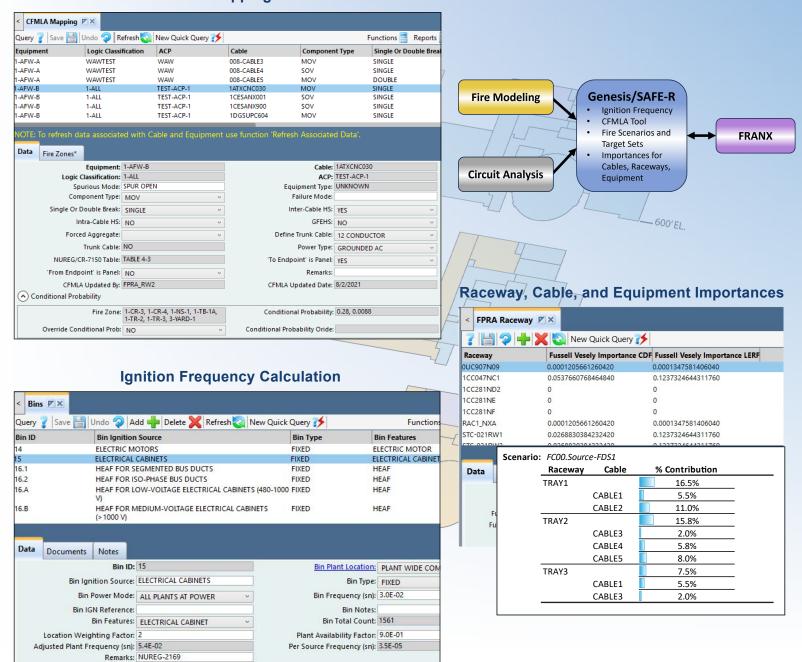
CDF

1.04E-06



## **SAFE-R Module, Tools and Reporting**

#### **CFMLA Mapping Form**



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### **Genesis Solution Suite**

#### SAFE-R Version 2.0.0

## Minimum System Requirements: Server:

Database Management System

Oracle® 11g (or greater)
Operating System - Microsoft® Windows
Server 2012 (or greater) or Unix/Solaris
Disk Space - 1 GB (minimum)

Memory - 8 GB (minimum)

#### Client:

Adobe Acrobat
Microsoft Office 2013 (or greater)
Operating System - Microsoft®
Windows 10
Disk Space - 1 GB (minimum)
Memory - 6 GB (minimum)
Microsoft®.NET Framework 4.6.1



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