

## List of Deviations from Accepted Methods and Approaches

LEGEND:		Generic	NFPA 805	Unreviewed Analysis Methods (UAMs)		
	Different Methods, Approaches, Factors Identified in Current Applications	Plants Impacted	Method or Guidance Development Needed	FAQ	High Priority	Status - Comment
1	Incipient detection (VEWFDS) credit Area-Wide	some	TBD			<b>ACTIVE</b> - credit beyond regular detection requires justification - NRC/RES experimental program in progress
2	Incipient detection (VWEFDS) credit Control Room/Complex	some	TBD	13-0001	<b>X</b>	<b>ACTIVE</b> - credit in occupied areas requires justification - NRC/RES experimental program in progress
3	Incipient detection (VEWFDS) credit Used to justify Non-Abandonment	some	no			<b>ACTIVE</b> - justification needed - NRC/RES experimental program in progress
4	Non-abandonment with loss of function	many	yes			<b>ACTIVE</b> - need consistent industry approach or guidance
5	Control room abandonment (0.1 CCDDP screening value)	many	yes	13-0002		<b>ACTIVE</b> - need common approach to address if screening value applies to a plant. Also, does screening value bound all actions or just address actions at remote panel?
6	Not using lower failure threshold for sensitive electronics	some	no	13-0004		<b>ACTIVE (NEAR RESOLUTION)</b> - sensitive electronics are defined in more detail and approach enhanced. Awaiting NRC closure memo.
7	Fire propagation from self-ignited cable fires and hot work induced cable fires	some	no	13-0005		<b>ACTIVE (NEAR RESOLUTION)</b> - NRC/RES addressed self-ignited cable fires and hot work induced cable fires. Awaiting NRC closure memo.
8	Modeling junction box scenarios	some	no	13-0006		<b>ACTIVE</b> - NRC/RES and industry are collaborating on re-organizing draft of the FAQ resolution
9	Database driven factor for propagation of fire beyond the originating electrical cabinet (not accepted by NRC via ADAMS ML12171A583)	some	yes		<b>X</b>	<b>ACTIVE</b> - alternative approaches that are developed should have phenomenological basis; NRC/RES experimental program in progress (Note: EPRI 1022993 found inadequate by NRC via ADAMS ML12171A583; not applied in LARs)

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10	Credit for CPT in probability of spurious operations	all	no			<b>ACTIVE</b> - Interim guidance provided by RES. More comprehensive RES report is being developed.
11	Hot work factor from administrative control credit	some	no			<b>RESOLVED</b> - closed by Panel and June 21, 2012 letter to NEI (ML12171A583).
12	Transient fires (some use 75%ile values)	some	no			<b>RESOLVED</b> - closed by Panel and June 21, 2012 letter to NEI (ML12171A583), with minor clarification.
13	Alignment factor for oil pump fires (similar approach to FAQ 44)	some	no			<b>RESOLVED</b> - NRC issued its position on use of different split fractions from the Panel resolution officially through the June 21, 2012 letter (ML12171A583).
14	Administrative control frequency reduction FAQ 64; includes credit for significant administrative control	some	no	12-0064		<b>RESOLVED</b> - closed by FAQ 12-0064.
15	Generically use lower HRR for transient combustibles (even though higher HRR is possible) to compensate for perceived lower frequency of occurrence	some	no	12-0064		<b>RESOLVED</b> - this was resolved by FAQ 12-0064 which allows the use of fractional influence factors to account for the likelihood of transient combustibles being present. there is no approach that allows reduced HRRs as a surrogate for lower likelihood.
16	Not using 0.001 as lowest value for failure of manual suppression (using values less than 0.001, even 0)	some	no			<b>RESOLVED</b> - no one is allowed to use values <0.001, and anyone currently doing so has provided sensitivity analyses or revised their PRA. This is usually an issue just for the MCR.
17	Not putting transient fires at pinch points (i.e., putting them at non-pinch point locations)	some	no			<b>RESOLVED</b> - This was addressed through generic RAI's.
18	Compliant plant base risk calculation (analysis assumes only 1 train available even if more trains may be available)	some	no			<b>NOT BEING EVALUATED</b> - accepted approach should be used - for MCR use total CDF (LERF) as delta CDF (LERF) as bounding estimate

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19	Hot short duration for DC circuits	some	no			<b>NOT BEING EVALUATED</b> - info coming soon through RES program
20	Administrative control frequency reduction Controls for storage/placement (HRA/value for administrative violation)					<b>NOT BEING EVALUATED</b> - the staff is waiting to see if the only application of this method is being withdrawn.
21	Administrative control frequency reduction Areal factor	0	yes			<b>NOT BEING EVALUATED</b> - handle separate from FAQ 64.
22	Reducing frequency based on component count (e.g., counting bus ducts differently than FAQ 35)	some	no			<b>NOT BEING EVALUATED</b> - database issue - need to change the plant frequency approach to component frequency approach in database to support this change - then would impact ALL - long-term issue
23	Not modeling loss of instrumentation (assumed available)	some	no			<b>NOT BEING EVALUATED</b> - use accepted approach - consider potential for loss of instrumentation
24	Not spreading fires to nearby combustibles (e.g., crediting IEEE-383 "qualification" as basis for not assuming fire spread)	some	no			<b>NOT BEING EVALUATED</b> - use accepted approach - use appropriate spread rates for thermoplastic or thermoset cables
25	Not updating generic data with plant-specific data (ignition frequency or suppression reliability)	some	no			<b>NOT BEING EVALUATED</b> - use accepted approach - update using plant-specific data as appropriate
26	Credit for cable coatings	some	yes			<b>NOT BEING EVALUATED</b> - industry identified issue - it is related to crediting flammastic to eliminate/reduce fire spread
27	Credit for solid metal bottom cable trays	some	yes			<b>NOT BEING EVALUATED</b> - industry identified issue - it is related to eliminating/reducing fire spread to other cable trays
28	Diesel generator fire reduction factor	some	yes			<b>NOT BEING EVALUATED</b> - limited use

## Fire Probabilistic Risk Assessment Frequently Asked Questions Meetings Documents

FAQ	DATE	DESCRIPTION	ADAMS
13-0006	4/3/13	Modeling Junction Box Scenarios in a Fire PRA	ML13094A429
	4/16/13	Staff Comments	ML13113A437
	5/6/13	Industry Revision	ML13129A331
	5/22/13	Industry Revision	ML13149A527
	5/28/13	NRC request for clarification	ML13150A281
	6/18/13	Industry Revision	ML13178A341
	6/25/13	NRC comments	ML13182A711
	7/2/13	Industry Revision	ML13183A496
		<b>Status: Open</b>	
13-0005	2/7/13	Cable Fires Special Cases: Self-Ignited and Caused by Welding and Cutting	ML13079A535
	4/15/13	Staff comments	ML13114A271
	5/7/13	Industry Comments	ML13129A348
	5/24/13	Response to industry comments	ML13149A533
	5/28/13	NRC comments	ML13150A242
		<b>Status: Open</b>	
13-0004	4/3/13	Clarifications on Treatment of Sensitive Electronics (includes staff response)	ML13085A361
	5/5/13	Industry Revision	ML13126A388
	5/28/13	NRC comments	ML13150A221
	6/4/13	NRC comments	ML13155A476
	6/18/13	Industry response to NRC comments	ML13178A333
	6/18/13	Industry Revision	ML13178A351
	6/27/13	Industry Revision	ML13182A708
		<b>Status: Open</b>	
13-0003		Transient Fire Heat Release Rates	
		<b>Status: Open</b>	
13-0002	4/13/13	Modeling of Main Control Room Abandonment	ML13114A715
	5/6/13	NRC high level comments	ML13126A391
	5/22/13	Response to NRC high level comments	ML13149A529
	5/22/13	Industry Revision	ML13149A531
	6/10/13	NRC response to industry's input	ML13182A726
	7/3/13	Industry Revision	ML13190A288
	7/7/13	MCR Abandonment Illustrative Examples	ML13189A122

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FAQ	DATE	DESCRIPTION	ADAMS
	7/23/13	Industry Revision	ML13204A380
		<b>Status: Open</b>	
13-0001	1/13	Clarifications on Treatment of VEWFDs to Support NFPA 805 Risk Analysis (includes staff comments)	ML13085A353
	4/11/13	Industry Revision	ML13107B553
	5/6/13	NRC high level comments	ML13126A389
		<b>Status: Open</b>	
NA	3/13	Generic issues regarding RAIs (includes staff comments)	ML13085A288
	4/4/13	Revision by Industry	ML13094A437
	4/15/13	Staff comments	ML13114A638
		<b>Status: Open</b>	
12-0064	6/12	Ignition Frequency Apportionment	ML121780013
	9/12	NEI Response to Revision 0	ML12216A142
	9/12	Revision 1	ML122550050
	1/17/13	Closure Memo	ML12346A488
		<b>Status: Resolved</b>	
08-0053	9/08	Kerite Cable Classification	ML082660021
	7/09	Fire Test Report - c. 2000	ML092080059
	8/10	Preliminary Kerite Test Report	ML102100075
	1/12	Final Test Report	ML11333A033
	2/8/12	Closure Memo	ML120060267
	3/12	NEI Response to Closure Memo	ML120580635
	4/12	Proposed Revision of Closure Memo	ML121160056
	6/6/12	Revised Closure Memo	ML121440155
	<b>Status: Resolved</b>		
08-0052	6/08	Transient Fires	ML081500500
	6/09	Draft Interim Position for Comment	ML091590505
	8/4/09	Closure Memo	ML092120501
		<b>Status: Resolved</b>	
08-0051	1/09	Hot short duration	ML083400188
	11/09	Draft Interim Position for Comment	ML092330663
	3/10	Comment Resolution	ML100820346
	4/1/10	Closure Memo	ML100900052
		<b>Status: Resolved</b>	

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FAQ	DATE	DESCRIPTION	ADAMS
08-0050	4/08	Manual Fire Non Suppression Probability	ML081200318
	6/09	Draft Interim Position for Comment	ML091660045
	7/09	NEI Comment	ML092030092
	8/09	Comment Resolution	ML092180533
	8/09	Second Draft Interim Position for Comment	ML092320044
	9/09	NEI Comment	ML092430112
	9/09	Comment Resolution	ML092510044
	9/14/09	Closure Memo	ML092190555
			<b>Status: Resolved</b>
08-0049	4/08	Cable Tray Fire Propagation	ML081200309
	6/09	Draft Interim Position for Comment	ML091470242
	7/30/09	Closure Memo	ML092100274
			<b>Status: Resolved</b>
08-0048	4/08	Fire Ignition Frequency Update	ML081200291
	6/09	Draft Interim Position for Comment	ML091590457
	7/09	NEI Comment	ML091960437
	8/09	Comment Resolution	ML092180383
	9/1/09	Closure Memo	ML092190457
			<b>Status: Resolved</b>
08-0047	4/08	Spurious Operation Probabilities	ML081200126
	9/08	Revision 1	ML082770662
	12/4/08	Closure Memo	ML082950750
			<b>Status: Resolved</b>
08-0046	4/08	Incipient Fire Detection Systems	ML081200120
	6/09	Draft Interim Position for Comment	ML091750338
	7/09	Public Comment	ML091970033
	7/09	NEI Comment	ML092120076
	11/09	Comment Resolution	ML093220197
	12/1/09	Closure Memo	ML093220426
			<b>Status: Resolved</b>
08-0045	4/08	Fire Growth in Electrical Cabinets	ML081200117
	5/19/09	Closure Memo	ML091240311
			<b>Status: Withdrawn</b>
08-0044	4/08	Large spill oil fire size	ML081200099
	6/09	Draft Interim Position for Comment	ML091540179

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FAQ	DATE	DESCRIPTION	ADAMS
	8/4/09	Closure Memo	ML092110516
		<b>Status: Resolved</b>	
08-0043	6/08	Cabinet fire location	ML081500507
	1/09	Revision 1	ML083540152
	6/09	Draft Interim Position for Comment	ML091470266
	8/4/09	Closure Memo	ML092120448
		<b>Status: Resolved</b>	
08-0042	1/08	Fire propagation from electrical cabinets.	ML080230438
	6/09	Draft Interim Position for Comment	ML091460350
	8/4/09	Closure Memo	ML092110537
		<b>Status: Resolved</b>	
07-0035	6/07	Bus duct counting guidance for high energy arcing faults	ML071650151
	12/07	Staff Response to Revision 0	ML073540262
	7/08	NEI Response to Staff Comments	ML081960709
	3/09	Revision 1	ML090850012
	4/09	Staff Response to Revision 1	ML090930500
	6/09	Revision 2	ML091610189
	6/16/09	Closure Memo	ML091620572
	<b>Status: Resolved</b>		
07-0031	5/07	Miscellaneous fire ignition frequency binning issues	ML071380238
	10/07	Staff Response to Revision 0	ML073060480
	12/17/07	Closure Memo	ML072840658
		<b>Status: Resolved</b>	
06-0018	12/06	Ignition source counting guidance for main control board	ML070030427
	3/07	Staff Response to Revision 0	ML070640562
	4/07	Revision 1	ML071020181
	9/26/07	Closure Memo	ML072500273
		<b>Status: Resolved</b>	
06-0017	12/06	Ignition source counting guidance for high energy arcing faults	ML070030383
	5/07	Revision 1	ML071350432
	5/07	Staff Response to Revision 1	ML071380343
	6/07	Revision 2	ML071550406

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FAQ	DATE	DESCRIPTION	ADAMS
	9/26/07	Closure Memo	ML072500300
		<b>Status: Resolved</b>	
06-0016	12/06	Ignition source counting guidance for electrical cabinets	ML070030348
	3/07	Staff Response to Revision 0	ML070640555
	4/07	Revision 1	ML071020174
	10/5/07	Closure Memo	ML072700475
		<b>Status: Resolved</b>	



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<b>Meeting Date</b>	<b>Document</b>	<b>ADAMS Accession No.</b>
November 30, 2012	Meeting Notice	ML12320A255
	Meeting Summary	ML13086A124
January 16, 2013	Meeting Notice	ML13004A451
	Meeting Summary	ML13086A124
January 30, 2013	Meeting Notice	ML13017A455
	Meeting Summary	ML13086A124
February 13, 2013	Meeting Notice	ML13017A455
	Meeting Summary	ML13086A124
March 5, 2013	Meeting Notice	ML13017A455
	Meeting Summary	ML13086A124
March 21, 2013	Meeting Notice	ML13070A451
	Meeting Summary	ML13086A124
April 3, 2013	Meeting Notice	ML13081A124
	Meeting Summary	ML13094A483
April 17, 2013	Meeting Notice	ML13092A337
	Meeting Summary	ML13129A299
May 8, 2013	Meeting Notice	ML13122A416
	Meeting Summary	ML13150A068
May 29, 2013	Meeting Notice	ML13129A141
	Meeting Summary	ML13157A241
June 11, 2013	Meeting Notice	ML13150A328
	Meeting Summary	ML13177A206
June 19, 2013	Meeting Notice	ML13144A134
	Meeting Summary	ML13191B296
July 10, 2013	Meeting Notice	ML13171A169
	Meeting Summary	ML13198A197
July 31, 2013	Meeting Notice	ML13192A108
	Meeting Summary	