

Arc Flash Hazard Design, Maintenance and Operation Process Checklist

				Yes	No	Don't Know
1-1 DES	SIGN					
1-1.1	Arc Flash Design Review	1-1.1.1	Has a design review been conducted to identify potential areas to reduce hazards including fault levels, exposure times, remote operations, remote racking, and system grounding?			0
		1-1.1.2	Have protective devices been tested/checked to verify performance per study?			٥
		1-1.1.3	Is there a procedure in place to assure studies are updated and testing is performed when system or utility supply changes are made?			
1-1.2	Documentation	1-1.2.1	Is your Arc Flash Hazard plan documented? Does the documentation include the results of the arc flash analysis, updated single-line diagrams, signs and labels on equipment and at hazardous areas? Do all labels include the type, name/ID, incident energy at working distances, flash protection boundary, hazard/risk category, and arc flash training?		٥	
		1-1.2.2	Are all single-line diagrams up-to-date reflecting any modification or expansions to your electrical distribution system or any changes in the electric utility system?			٥
		1-1.2.3	Do you have a documented method for maintaining required Personal Protective Equipment?		۵	٥
2-1 OP	ERATIONS					
2-1.1	Safety	2-1.1.1	Does your safety program include a certified training program including awareness of electrical hazards?		٥	٥
		2-1.1.2	Does your safety program identify hazard / risk evaluation procedures, electrically safe work procedures, tools and PPE, and electrical safety principles?		٥	٥
		2-1.1.3	Do you have appropriate safety procedures in place to minimize dangers where exposure cannot be avoided?			
		2-1.1.4	Do you have a formal record keeping process for documenting accidents and near misses?			
		2-1.1.5	Is there a process in place that ensures actions will be taken to update procedures or take other corrective action when an accident or near miss occurs?		٥	٥
		2-1.1.6	Do workers comply with manual procedures?			
		2-1.1.7	Is there a periodic audit of workers to confirm compliance with safety manual procedures?			
2-1.2	Training	2-1.2.1	Do you have an effective arc flash training program? Does it provide workers the knowledge and understanding of the existence, nature, causes, and methods to prevent electrical hazards?			٥
		2-1.2.2	Does your arc flash training program include training on arc flash awareness, standards and codes, understanding of arc flash quantities, selection and use of appropriate PPE, reading and following warning signs and labels, methods to reduce risk while working on live exposed parts, and arc flash hazard assessment?			٥

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2-1 One	erations			Yes	No	Don't Know
2-1 Ope	rations					
2-1.2	Training	2-1.2.3	Is there a process in place that ensures the training program is periodically reviewed to identify needed changes?	٥		
		2-1.2.4	Have all personnel working on or near energized equipment undergone specific training in the hazards of working on energized equipment, and the use and proper application of PPE?	٥		
		2-1.2.5	Do training records exist?			
2-1.3	Labeling	2-1.3.1	Does all electrical equipment that may remain energized during maintenance or repair post a warning label in compliance with the National Electrical Code 110.16?	٥		0
2-1.4	Personal	2-1.4.1	Do you have a personal protective equipment plan?			
	Protective Equipment	2		٥		
		2-1.4.2	Does the plan address all OSHA standards regarding PPE?			
		2-1.4.3	Does the plan cover how PPE should be worn, maintained, and disposed of after the equipment life has expired?	۵		
		2-1.4.4	Is there a process in place to ensure PPE requirements are updated when system or utility supply changes are made?			
2-1.5	Regulatory Compliance	2-1.5.1	Does your arc flash hazard program address all regulatory requirements imposed by NFPA 70E 2004, The National Electrical Code 110.16, IEEE 1584 and OSHA 1910.132(d), and 1926.28(a)?			٥
		2-1.5.2	Do you have an established process for updating Arc Flash Hazard programs as new information becomes available?	٥		٥
3-1 MAINTENANCE						
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3-1.1	Electrical Preventive Maintenance Program	3-1.1.1	1.1 Does your preventive maintenance program specifically address arc flash hazards?	٥		٥
	. rogram	3-1.1.2	Is the program being followed rigorously?			
		3-1.1.3	Is there a procedure in place that updates the program based on changes to plant equipment or processes?			