



Risk Assessment Procedure

Risk Register
*Hazard
ES = Electric Shock
AF/AB = Arc Flash/ Arc Blast
**Equipment Condition Assessment
Acceptable Equipment Condition is defined as all of the following:
The equipment is properly installed
The equipment is properly maintained
There is no evidence of impending failure
All equipment doors are closed and secured (applies only to closed door switch operation)
All equipment covers are in place and secured (applies only to closed door switch operation)
< Acceptable Equipment Condition is defined as one or more of the following:
The equipment is not properly installed
The equipment is not properly maintained
There is evidence of impending failure
Equipment doors are open or not secured (applies only to closed door switch operation)
Equipment covers are off or not secured (applies only to closed door switch operation)
Risk Classification
Se - Severity
Fr - Frequency
Pr - Probability
Av - Avoidability
Po - Probability of Occurrence of Harm



Risk Assessment Procedure

Risk Reduction Protective Measures	
Electric Shock Hazards	
Risk	Risk Reduction Protective Measure
Meter does not show correct reading due to meter malfunction	Test meter on live circuit before and after use for circuits rated 480V and below.
Voltage rating of meter exceeded	Ensure use of meter rated at a minimum of 600V for circuits rated 480V and below. Use adequately rated voltage detector for circuits > 600V.
Short Circuit rating of meter exceeded	Ensure use of meter rated at a minimum of CAT III
Damaged test leads	Inspect test leads before each use.
Damage to voltage rated gloves	Test gloves for leaks before use.
	Test gloves every six months.
Failure to properly distinguish energized parts from de-energized parts	Ensure electricians are audited to demonstrate proficiency
	Ensure only qualified electricians are allowed to perform electrical work.
	Ensure employees are properly trained
Inability to release oneself from energized parts resulting from inadvertent contact.	Inform supervision if you lack the knowledge to make
	Inform a backup person of location of power source and how to open breaker in case of emergency

Risk Assessment Procedure

Risk Reduction Protective Measures	
Arc Flash/ Blast Hazards	
Risk	Risk Reduction Protective Measure
Burns resulting from Arc Flash incident	Do not operate equipment rated > 40cal/cm ² (de-energize before operating)
	Wear AF PPE appropriate for incident energy level
	Consider reducing trip settings, or evaluating equipment changes to reduce AFH incident energy level
High pressure, sound and shrapnel resulting from Arc Blast incident	Do not operate equipment rated > 40cal/cm ² (de-energize before operating)
	Wear AF PPE appropriate for incident energy level
	Consider reducing trip settings, or evaluating equipment changes to reduce AFH incident energy level
Increased AF energy level at 12"	Follow PPE instructions on Label, leather protectors <=8cal, AF gloves for 8cal to 40cal.
Increased AF energy level at 4"	Follow PPE instructions on Label, leather protectors <=8cal, AF gloves for 8cal to 40cal, use 8" test lead extenders as needed.
Equipment failure while operating breaker or disconnect with doors closed.	Position body away from device and turn head away while operating
	Ensure all of the following are true before operating disconnect:
	The equipment is properly installed
	The equipment is properly maintained
	There is no evidence of impending failure
	All equipment doors are closed and secured
All equipment covers are in place and secured	