

APPENDIX H

ARC FLASH PPE CATEGORIES CHART (when a hazard assessment/arc flash study has not been completed)

Table 2

Arc Flash PPE and Boundaries

This arc flash PPE table is based on NFPA 70E tables in a condensed format. It is based on equipment in good condition, secured, and regularly maintained as per manufacturer or NFPA 70B recommendations. If parameters are met, this table may be used for PPE category and arc flash boundary. Note: For arc flash boundary, see Arc Flash label on equipment or use Table 2

TASK	PARAMETERS Fault Current Clearing Time	ARC FLASH PPE CATEGORY	ARC FLASH BOUNDARY (work dist)
Electrical work on systems rated 240 volts or less including: operate single phase circuit breakers if maintained, or fused switches and disconnects with doors closed, cable trough or tray cover removal, work on control circuits 50 volts or less, and battery maintenance (less than 1 kA), meggar testing or similar diagnostics.	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE
Working on electrical systems rated at 240 volts or less including: opening hinged covers on control circuit enclosures and voltage testing.	≤25 kA & Max 2 cycles	1	19 in. Work 18 in.
Working on or near exposed energized parts rated at 600 volts or less where exposed to electrical parts, but no physical work is performed that may cause a serious arc flash and that is not listed in PPE 3 category. Work on 125 VDC systems 4 kA or less.	≤65 kA & Max 2 cycles or ≤42 kA & Max 30 cycles	2	5 ft. Work 18 in.
Working on or near exposed energized parts rated at 600 volts or less including removing bolted covers on exposed 480 volt cabinets with generator running, open cover to exposed parts of an ATS or UPS enclosure, racking in or out 480 volt breakers on an energized bus or working on a 480 volt MCC.	≤35 kA & Max 30 cycles	3	20 ft. Work 18 in.
Exposing energized parts rated at <u>greater than 600</u> volts nominal including main switchgear, racking in/out breakers, and opening doors to check phasing or other energized work, or testing and grounding with a hot stick.	≤35 kA & Max 15 cycles	4	40 ft. Work 36 in.

REFER TO PAGES 33 – 38 IN NFPA 70E