

Task	Equipment Condition*	Likelihood of Occurrence
<ul style="list-style-type: none"> • Reading a panel-mounted meter, whether analog or digital, while operating the meter selector switch or controls. • Performing infrared thermography and other non-contact inspections outside the restricted approach boundary. This activity does not include opening of doors or covers. • Working on control circuits with exposed energized electrical conductors and circuit parts, nominal 125 V ac or dc, or below without any other exposed energized equipment over nominal 125 V ac or dc, including opening of hinged covers to gain access. • Examination of insulated cable with no manipulation of cable. • For dc systems, maintenance on a single cell of a battery system or multi-cell units in an open rack. 	Any	Improbable
<ul style="list-style-type: none"> • For ac systems, work on energized electrical conductors and circuit parts, including electrical testing. • Operation of a circuit breaker or switch the first time after installation or completion of work or maintenance in the equipment. • For dc systems, working on energized electrical conductors and circuit parts of series-connected battery cells, including electrical testing. • Removal or installation of circuit breakers or switches. • Opening hinged door(s) or cover(s) or removal of bolted covers (to expose bare, energized electrical conductors and circuit parts). For dc systems, this includes bolted covers, such as battery terminal covers. • Application of temporary protective grounding equipment, after voltage test. • Working on control circuits with exposed energized electrical conductors and circuit parts, greater than 120 V. • Insertion or removal of individual starter buckets from MCC. • Insertion or removal (racking) of circuit breakers or starters from cubicles, doors open or closed. • Insertion or removal of plug-in devices into or from busways. • Examination of insulated cable with manipulation of cable. • Working on exposed energized electrical conductors and circuit parts of equipment directly supplied by a panelboard or MCC. • Insertion or removal of revenue meters (kW-h, at primary voltage and current). • Insertion or removal of connector covers or battery intercell connector(s). • For dc systems, working on exposed energized electrical conductors and circuit parts of utilization equipment directly supplied by a dc source. • Opening VT or control power transformer compartments. • Operation of outdoor disconnect switch (hookstick operated) at 1 kV through 15 kV. • Operation of outdoor disconnect switch (gang-operated, from grade) at 1 kV through 15 kV. 	Any	Possible
<ul style="list-style-type: none"> • Operation of a circuit breaker, switch, contactor, or starter. • Voltage testing on individual battery cells or individual multi-cell units. • Removal or installation of covers for equipment such as wireways, junction boxes, and cable trays that does not expose bare, energized electrical conductors, and circuit parts. • Opening a panelboard hinged door or cover to access dead front overcurrent devices. • Removal of battery nonconductive intercell connector covers. • Maintenance and testing on individual battery cells or individual multi-cell units in an open rack. Insertion or removal of individual cells or multi-cell units of a battery system in an open rack. • Arc-resistant equipment with the doors closed and secured, and where the available fault current and fault clearing time does not exceed that of the arc-resistant rating of the equipment: • insertion or removal of individual starter buckets; • insertion or removal (racking) of circuit breakers from cubicles; • insertion or removal (racking) of ground and test device; or • insertion or removal (racking) of VTs on or off the bus. 	<p style="margin-bottom: 10px;">Normal</p> <p>Abnormal</p>	<p style="margin-bottom: 10px;">Improbable</p> <p>Possible</p>