Task (Assumes equipment is energized, and work is done within the flash protection boundary)	Hazard/Risk <u>Category</u>	V-Rated <u>Gloves</u>	V-Rated <u>Tools</u>
Panelboards rated 240V and below - Notes 1 and 3	_	-	-
CB or fused switch operation with covers on	0	N	N
CB or fused switch operation with covers off	0	N	N
Work on energized parts, including voltage testing	1	Y	Y
Remove/Install CB's or fused switches	1	Ϋ́	Ϋ́
Removal of bolted covers (To expose bare, energized parts)	1	N	N
Opening of hinged covers (To expose bare, energized parts)	Ö	N	N
Panelboards or Switchboards rated >240V and up to 600V	_	_	_
(With molded case or insulated case CB's) Notes 1 and 3			
CB or fused switch operation with covers on	0	N	N
CB or fused switch operation with covers off	1	N	N
Work on energized parts, including voltage testing	2*	Y	Υ
600V class MCC's - Notes 2 and 3	-	-	-
CB or fused switch or starter operation with enclosure doors closed	0	N	N
Reading a panel meter while operating a meter switch	0	N	N
CB or fused switch or starter operation with enclosure doors open	1	N	N
Work on energized parts, including voltage testing	2*	Y	Y
Work on control circuits with exposed energized parts 120V or below	0	Υ	Υ
Work on control circuits with exposed energized parts >120V	2*	Υ	Y
Insertion/Removal of individual starter "buckets" - Note 4	3	Υ	N
Application of safety grounds, after voltage test	2*	Υ	N
Removal of bolted covers (To expose bare, energized parts)	2*	N	N
Opening of hinged covers (To expose bare, energized parts)	1	N	N
600V class switchgear (With power circuit breakers or fused switches) Notes 5 and 6	-	-	-
CB or fused switch operation with enclosure doors closed	0	N	N
Reading a panel meter while operating a meter switch	0	N	N
CB or fused switch or starter operation with enclosure doors open	1	N	N
·	2*	Y	Y
Work on energized parts, including voltage testing	-	Ϋ́	Ϋ́
Work on control circuits with exposed energized parts 120V or below	0 2*		
Work on control circuits with exposed energized parts >120V	_	Y	Y
Insertion or removal (Racking) of CB's from cubicles (Doors open)	3	N	N
Insertion or removal (Racking) of CB's from cubicles (Doors closed)	2	N	N
Application of safety grounds, after voltage test	2*	Y	N
Removal of bolted covers (To expose bare, energized parts)	3	N	N
Opening of hinged covers (To expose bare, energized parts)	2	N	N
Other 600V Class (277V-600V) equipment - Note 3	-	-	-
Lighting or small power transformers	-	-	-
Removal of bolted covers (To expose bare, energized parts)	2*	N	N
Opening of hinged covers (To expose bare, energized parts)	1	N	N
Work on energized parts, including voltage testing	2*	Υ	Y
Application of safety grounds, after voltage test	2*	Y	N

Revenue meters (kWh)	_	-	_
Insertion or removal	2*	Υ	N
Cable trough or tray cover removal or installation	1	N	N
Misc. equipment removal or insertion	1	N	N
Work on energized parts, including voltage testing	2*	Υ	Υ
Application of safety grounds, after voltage test	2*	Υ	N
NEMA E2 (fused contactor) Motor starters 2.3Kv - 7.2Kv	-	-	-
Contactor operation with enclosure doors closed	0	N	N
Reading a panel meter while operating a meter switch	0	N	N
Contactor operation with enclosure doors open	2*	N	N
Work on energized parts, including voltage testing	3	Υ	Υ
Work on control circuits with exposed energized parts 120V or below	0	Υ	Υ
Work on control circuits with exposed energized parts >120V	3	Υ	Υ
Insertion or removal (racking) or starters from cubicles (Doors open)	3	N	N
Insertion or removal (racking) or starters from cubicles (Doors closed)	2	N	N
Application of safety grounds, after voltage test	3	Υ	N
Removal of bolted covers (To expose bare, energized parts)	4	N	N
Opening of hinged covers (To expose bare, energized parts)	3	N	N
Metal Clad Switchgear 1Kv and above	-	-	-
CB or fused switch operation with enclosure doors closed	2	N	N
Reading a panel meter while operating a meter switch	0	N	N
CB or fused switch or starter operation with enclosure doors open	4	N	N
Work on energized parts, including voltage testing	4	Y	Y
Work on control circuits with exposed energized parts 120V or below	2	Y	Y
Work on control circuits with exposed energized parts >120V	4	Y	Y
Insertion or removal (Racking) of CB's from cubicles (Doors open)	4	N	N
Insertion or removal (Racking) of CB's from cubicles (Doors closed)	2	N	N
Application of safety grounds, after voltage test	4	Y	N
Removal of bolted covers (To expose bare, energized parts)	4	N	N
Opening of hinged covers (To expose bare, energized parts)	3	N	N
Opening voltage transformer or CPT compartments	4	N	N
Other Equipment 1Kv and above	-	-	-
Market also discontinuous and talk of the control o			
Metal clad load interrupter switches, fuses or unfused	-	-	-
Switch operation, doors closed	2	N	N
Work on energized parts, including voltage testing	4	Y	Y
Removal of bolted covers (To expose bare, energized parts)	4	N	N
Opening of hinged covers (To expose bare, energized parts)	3	N	N
Outdoor switch operation (hookstick operated)	3	Y	Y
Outdoor switch operation (gang operated, from grade)	2	N	N
Insulated cable examination, in manhole or other confined space	4	Y	N
Insulated cable examination, in open area	2	Υ	N

Legend

V-Rated Gloves - gloves rated and tested for the maximum line to line voltage which the work will be done **V-Rated Tools** - tools rated and tested for the maximum line to line voltage which the work will be done **2*** means that a double layered switching hood are required for this task in addition to other hazard/risk

category 2 requirements Y=Yes (required) N=No (not required)

Notes:

- 1. 25 kA short circuit current available, 0.03 second (2 cycle) fault clearing time.
- 2. 65 kA short circuit current available, 0.03 second (2 cycle) fault clearing time.
- **3**. For < 10KA short circuit current available, the hazard/risk category may be reduced by one number.
- 4. 65 kA short circuit current available, 0.33 second (20 cycle) fault clearing time.
- **5**. 65 kA short circuit current available, up to 1.0 second 60 cycle) fault clearing time.
- **6**. For < 25KA short circuit current available, the hazard/risk category may be reduced by one number.