

PURDUE UNIVERSITY
Electrical Safety Program

Hazard Risk Assessment

TASK: _____

Safety Concern	Exposure	Existing Controls	F	L	S	R (F*L*S)

Completed by (Print) _____ Signature _____ Date _____

To perform a hazard risk assessment, use the instructions and risk rating scale (Table D.1):

1. List the task.
2. State the safety concerns, which are the possible hazards of the task.
3. If performing an assessment for an area like a shop or zone, state the number of employees performing the task. If you are filling the form out individually, leave space blank. (REM will compile cumulative results).
4. List what existing controls are used to decrease or eliminate the hazard.
5. Then rate on a scale from 1-5 the frequency (F), how often you perform the task; likelihood of the hazard occurring (L); and the severity (S) of possible harm from the hazard. Multiply the three parameters to find the Risk rating (R).

Table D.1 – Risk Rating Scale

Rating	Exposure Opportunity (Frequency)	Chance of Occurrence (Likelihood)	Degree of Harm (Severity)
1	Less than 1x per month	Highly Unlikely	First Aid
2	Less than 1x per week	Unlikely	Medical Treatment
3	Less than 1x per shift	Possible	Lost time, full recovery
4	Greater than 1x per shift	Probable	Some permanent impairment
5	At all times	Highly Probable	Major permanent impairment or death

The Electrical Safety Program has example hazard risk assessments (Table D.2 and Table D.3) in Appendix D.