

## Enterprise Contractor Safety Management Standard

### Attachment 2, Enterprise Contractor Safety Risk Matrix

PG&E's Enterprise Contractor Safety Program applies to all contractors, including subcontractors, that provide medium and/or high-risk services on PG&E's sites or assets. It is the responsibility of LOB personnel to determine the risk classification of contract work being performed based on the guidelines provided below. The examples of work scopes or work activities are not all-inclusive.

Any issues regarding the risk classification of a contractor and their work activities should be assessed and determined between the LOB Contractor Champion, Supply Chain/procurement representative and EHS Contractor Safety.

| Risk Category | Examples of Work Scopes or Work Activities   | Primary Triggers  |
|---------------|--|---|
| Low Risk      | <ul style="list-style-type: none"> <li>• Consulting, classroom training</li> <li>• Office engineering, design, inspection (limited to no direct exposure to site hazards)</li> <li>• Project Management Office (PMO) services</li> <li>• Basic landscaping services such as lawn mowing, trimming, and pruning (no trenching)</li> <li>• Material delivery off PG&amp;E premises (Shipping)</li> <li>• Transportation of materials (limited to Material Handling off-site to PG&amp;E premises)</li> <li>• Security Services: Unarmed</li> </ul> | <ul style="list-style-type: none"> <li>• Performs NO work activities covered in the Medium/High-Risk definitions</li> <li>• Does NOT require ANY of the pre-requisites covered in the Medium/High-risk definitions</li> <li>• Does NOT require Occupational Safety and Health Administration (OSHA) safety and health programs to address specific criteria identified below under high and medium risk definitions, including any OSHA required training, to mitigate task and location specific hazards.</li> </ul> |

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| Medium Risk   | <ul style="list-style-type: none"> <li>• Bulk hazardous chemicals transport and handling</li> <li>• Compressed natural gas (CNG)/ liquified natural gas (LNG) handling</li> <li>• Electric work less than 50 volts/instrumentation</li> <li>• Emergency response clean-up services</li> <li>• Equipment inspection, including radiography</li> <li>• Excavating and trenching under 4 feet (excluding hand digging within 2 feet of depth)</li> <li>• Geotechnical investigation, potholing, drilling, boring, horizontal directional drilling (HDD)</li> <li>• Industrial motorized equipment operation, not specified as “high risk”</li> <li>• Industrial motorized equipment maintenance</li> <li>• Material Handling (on/off loading materials using mechanical, electric, or pneumatic equipment)</li> <li>• Mechanical services (conveyors, structural/civil work)</li> <li>• Process chemical service</li> <li>• Surveying, field inspection, construction management, engineering, design services that require specialized PPE</li> <li>• Any other work performed under a general work permit</li> </ul> | <ul style="list-style-type: none"> <li>• Requires OSHA safety and health programs, including OSHA required training, to mitigate task and location specific hazards</li> <li>• Work requires advanced or specialized PPE, beyond hard hat, safety boots, safety glasses and reflective vest (examples: personal fall arrest/restraint system, respirator, SCBA, rubber gloves, ear plugs/hearing protection, Flame Resistant (FR) clothing, Electrical Hazard (EH) boots, Energy Control Locks, Tyvek suit, etc.)</li> </ul> |
| High Risk     | <ul style="list-style-type: none"> <li>• Conductor stringing/sagging removal</li> <li>• Confined space entry (excludes inert entry which is “always high”)</li> <li>• Electrical work equal to or greater than 50 volts (energized, de-energized, or in an electrically classified area)</li> <li>• Excavation and trenching beyond 4 feet (include hand digging)</li> <li>• Fault protection/grounding</li> </ul>  | <ul style="list-style-type: none"> <li>• Work requires specialized training, formal training, licensing, certification or qualification (Examples: HVAC, Industrial Lift Truck, Permit Required Confined Space Training, Fall Protection Training, Crane Operator Certification, pest control applicators license, FERC/NERC training, HAZWOPER, etc.)</li> </ul>  |

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|               | <ul style="list-style-type: none"> <li>• General construction activities such as framing, sawing, cutting, welding, boring, blasting, coating, grinding, roofing, commercial painting using specialized equipment, electrical/gas installation, scaffolding erecting, dismantling and modifying, civil</li> <li>• Hazardous waste disposal/treatment/transportation, contaminated soil, asbestos, lead, etc.</li> <li>• Industrial motorized equipment operation: forklift, front loader, backhoe, bobcat, bucket truck, aerial lift, boom lift, skidder, vacuum truck</li> <li>• Personnel transportation service providers (by land, marine or air)</li> <li>• Pesticide, herbicide application</li> <li>• Radiological handling activities</li> <li>• Rail operations</li> <li>• Security Services: Armed</li> <li>• Tank cleaning</li> <li>• Traffic control flagging</li> <li>• Vegetation Management: Utility tree trimming, clearance work</li> <li>• Work-at-height requiring fall protection</li> <li>• Any other work that requires specialized permits</li> </ul> | <ul style="list-style-type: none"> <li>• Work <u>that directly</u> exposes contract employee(s) to the hazards associated with the other work (Examples: Suspended load spotters, aggregate haulers where delivery of materials requires material handling or site hazard exposure, heavy equipment is in operation, traffic control flaggers)</li> </ul> |
| Always High   | <ul style="list-style-type: none"> <li>• Aviation operations (helicopter, fixed wing, and drone operation)</li> <li>• All crane operations including critical lifts</li> <li>• Inert confined space entry</li> <li>• High voltage substation work on energized conductors (exclusive of only operating switch gear)</li> <li>• Marine operations involving personnel transfer at waterways, cargo handling, anchor handling, management of hoses, line handling and vessels engaged in SIMOPs</li> <li>• Underwater diving operations</li> <li>• Vacuum trucks used in hydrocarbon service</li> </ul>  | <ul style="list-style-type: none"> <li>• Regardless of annual work hours</li> </ul>   |

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|               | <ul style="list-style-type: none"> <li>• Welding and/or hot tapping of gas lines</li> <li>• Work on or at a live flare or against a live relief line</li> <li>• Demolition/blasting/explosive work</li> </ul> |                  |

#### REVISION NOTES

| Where?                         | What Changed?   |
|--------------------------------|---|
| Added "Always High" risk level | Regardless of annual work hours, certain job activities will always be classified at high-risk level. |