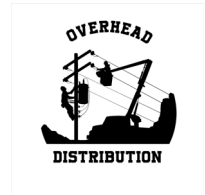



Critical Observable Action Table

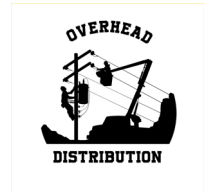
Overhead Distribution






This document is designed to be an observer's guide only. It is not intended to be an exhaustive list of regulatory requirements. Please refer to the appropriate Cal OSHA regulations, industry best practices, and company-specific safety documentation for additional guidance.

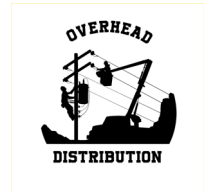
Activity / Environment	Primary Hazards	Critical Observable Actions
	<p>General</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Contractor Health and Safety Program (HASP) is on site. <input type="checkbox"/> The crew has a thorough tailboard, covering all Primary Hazards, signed by all on site. <input type="checkbox"/> There is an Emergency Action Plan on site. <input type="checkbox"/> Emergency rescue equipment is on site, readily available. <input type="checkbox"/> The site is well organized and free of tripping hazards. <input type="checkbox"/> Weather conditions safe for the work to be performed. <input type="checkbox"/> There is ample water and shade on site, especially if temperatures exceed 80 degrees. <input type="checkbox"/> The crew is wearing proper clothing based upon site condition and scope.
	<p>Fire Hazards</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Fire evacuation plan is on site, if required. <input type="checkbox"/> Required fire tools are on site and easily accessible. <input type="checkbox"/> Vehicles are parked in direction of egress.
	<p>Basic Personal Protective Equipment</p>	<ul style="list-style-type: none"> <input type="checkbox"/> The crew is wearing proper head protection. <input type="checkbox"/> The crew is wearing safety glasses. <input type="checkbox"/> The crew is wearing hand protection. <input type="checkbox"/> The crew is wearing foot protection.
	<p>Traffic Hazards</p>	<ul style="list-style-type: none"> <input type="checkbox"/> There is effective traffic control in place, with an approved traffic control plan (if necessary), allowing for smooth and safe traffic flow. <input type="checkbox"/> Approved pedestrian control plans are in place (if necessary), and pedestrians are diverted safely around the worksite, or are escorted safely through the worksite. <input type="checkbox"/> The crew is wearing high visibility clothing when working adjacent to traffic or at night.
	<p>Human Performance</p>	<ul style="list-style-type: none"> <input type="checkbox"/> The crew is working at a safe pace. <input type="checkbox"/> The crew is communicating effectively. <input type="checkbox"/> The crew is avoiding pinch points and bights. <input type="checkbox"/> The crew is working free of distractions (i.e. mobile phones, etc). <input type="checkbox"/> The crew is using three-way communication for critical tasks. <input type="checkbox"/> The crew is using Peer Check during critical tasks. <input type="checkbox"/> Individual workers are using Self Check during critical tasks. <input type="checkbox"/> The crew demonstrates a Questioning Attitude during critical tasks. <input type="checkbox"/> The crew knows to exercise Stop Work Authority whenever anyone is unsure about the safety of an activity.



Critical Observable Action Table Overhead Distribution



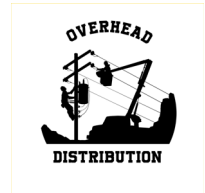
Activity / Environment	Primary Hazards	Critical Observable Actions
	Backing Hazards	<input type="checkbox"/> Crew is using spotter when backing vehicles. <input type="checkbox"/> Driver performs Circle of Safety (360 degrees) prior to backing when there is no spotter.
	Collision	<input type="checkbox"/> Vehicle has been inspected, prior to use (documented). <input type="checkbox"/> Crew has a pre-planned route. <input type="checkbox"/> Roads are confirmed safe to drive. <input type="checkbox"/> Driver avoids distractions. <input type="checkbox"/> Driver maintains safe distance. <input type="checkbox"/> Driver maintains a safe speed. <input type="checkbox"/> Driver uses turn signals. <input type="checkbox"/> Driver uses low gears down declines.
	Driving with a Trailer	<input type="checkbox"/> Trailer connections are sound. <input type="checkbox"/> Trailer has been inspected and confirmed to be in good condition. <input type="checkbox"/> Trailer is the appropriate size for load (trailer loaded correctly). <input type="checkbox"/> Crew uses a chase vehicle (comms between the two) with oversized loads.
	Load Securement	<input type="checkbox"/> Loads are secured properly.
	Fall from Heights	<input type="checkbox"/> Crew maintains 3 POC when ascending and descending. <input type="checkbox"/> Walking surfaces are free of tripping hazards and oil.
	Overhead Obstructions	<input type="checkbox"/> Crew uses a spotter to avoid overhead obstructions. <input type="checkbox"/> Equipment (boom, etc) is properly stowed.
	Dropped Objects	<input type="checkbox"/> Crew has established a clearly defined drop zone. <input type="checkbox"/> Tools are tethered. <input type="checkbox"/> Tools hung from the bucket are secured properly. <input type="checkbox"/> Crews are using handlines.
	Bight	<input type="checkbox"/> The crew has accurately identified and avoids the bight. <input type="checkbox"/> The crew keeps their hands within the bucket while moving. <input type="checkbox"/> The hydraulic system of the truck appears in good condition.
	Fall from Heights	<input type="checkbox"/> The crew has confirmed the structure is safe to climb (visually and physically). <input type="checkbox"/> Pole is adequately supported if required, before climbing. <input type="checkbox"/> The crew is using 100% fall protection. <input type="checkbox"/> Personal fall protection and equipment is in good condition and worn correctly. <input type="checkbox"/> Fall protection attached to appropriate anchorage point.
	Fall from Heights	<input type="checkbox"/> Ladder is in good condition. <input type="checkbox"/> Ladders has non-skid pads. <input type="checkbox"/> Ladder is secure from falling and on firm level ground. <input type="checkbox"/> Ladder extends three feet above upper landing. <input type="checkbox"/> Crew is using fall protection, if required. <input type="checkbox"/> Ladder is setup with a 4:1 ratio. <input type="checkbox"/> Crew is using appropriate ladder as intended for work being performed. <input type="checkbox"/> Crew maintains 3 POC, facing the ladder, and working without overreaching.




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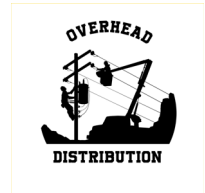
Activity / Environment	Primary Hazards	Critical Observable Actions
	Electrical Contact	<ul style="list-style-type: none"> <input type="checkbox"/> The crew has ample cover (i.e. second point of contact). <input type="checkbox"/> Gloves and sleeves are within their test dates. <input type="checkbox"/> Gloves and sleeves have passed inspection, prior to use. <input type="checkbox"/> Crew maintains Minimum Approach Distance (MAD). <input type="checkbox"/> Crew is wearing gloves and sleeves when working within the MAD. <input type="checkbox"/> The crew has grounded effectively per contractor grounding plan. <input type="checkbox"/> The crew has effective Lock Out Tag Out in place (i.e. clearance). <input type="checkbox"/> The open points are tagged. <input type="checkbox"/> There is an engaged qualified observer when crew is working in the Primary Zone. <input type="checkbox"/> The crew has defended against backfeed and induction (i.e. open points, grounding). <input type="checkbox"/> Equipment within the energized primary zone is barricaded.
	Arc Flash	<ul style="list-style-type: none"> <input type="checkbox"/> The crew has confirmed the Arc Flash requirements for their work area. <input type="checkbox"/> Crew is wearing appropriate Arc Flash PPE level.
	Rigging Failure	<ul style="list-style-type: none"> <input type="checkbox"/> Rigging is tagged and in good condition. <input type="checkbox"/> Rigging sufficient for the weight of the load. <input type="checkbox"/> The load is rigged correctly. <input type="checkbox"/> The crew is using tag lines to control the load if applicable. <input type="checkbox"/> Rigging is protected against sharp edges. <input type="checkbox"/> The load is not flown over crew members, pedestrians, etc.
	Equipment Failure	<ul style="list-style-type: none"> <input type="checkbox"/> Operator has completed pre-flight. <input type="checkbox"/> Equipment is inspected and in good condition. <input type="checkbox"/> Equipment capacity is sufficient for the load in its present configuration. <input type="checkbox"/> Operator is certified and qualified. <input type="checkbox"/> Equipment operated according to manufacturer design.
	Electrical Contact	<ul style="list-style-type: none"> <input type="checkbox"/> There is a qualified engaged observer. <input type="checkbox"/> The insulated stage of the digger derrick is extended. <input type="checkbox"/> Equipment is barricaded when working near or in the Primary Zone. <input type="checkbox"/> Conductors are spread. <input type="checkbox"/> Crew has proper cover in place. <input type="checkbox"/> There is effective communication between spotter and operator.
	Crane Instability	<ul style="list-style-type: none"> <input type="checkbox"/> The crew has a lift plan in place. <input type="checkbox"/> The crane is stable (outriggers, soil, etc.). <input type="checkbox"/> Wind and weather are safe for suspended loads.



Critical Observable Action Table Overhead Distribution



Activity / Environment	Primary Hazards	Critical Observable Actions
	Laceration	<input type="checkbox"/> The crew is operating chainsaws safely. <input type="checkbox"/> The chainsaw is in good condition.
	Fire Hazards	<input type="checkbox"/> The area around chainsaw operations is clear. <input type="checkbox"/> The crew mitigates fire danger while refueling the chainsaw. <input type="checkbox"/> The crew is using the proper sized chainsaw.
	Structure Failure	<input type="checkbox"/> Structure is capable of holding tension/strain. <input type="checkbox"/> The crew has properly guyed the structure.
	Electrical Contact / Induction	<input type="checkbox"/> The crew has ample cover in place. <input type="checkbox"/> The crew has guard structures in place. <input type="checkbox"/> The crew has no test orders in place, as applicable. <input type="checkbox"/> The crew has established an equipotential zone (EPZ) as applicable. <input type="checkbox"/> The crew uses grounded travelers as per their pull plan.
	Wire Hang Up	<input type="checkbox"/> Effective communication is in place. <input type="checkbox"/> The crew has removed grounds prior to pulling wire. <input type="checkbox"/> There is a spotter following the pulling sock. <input type="checkbox"/> There is proper rigging in place. <input type="checkbox"/> The crew is using proper bypass tension.
	Rigging Failure	<input type="checkbox"/> Rigging is in good condition. <input type="checkbox"/> Rigging is sufficient for the anticipated strain.
	Road / Railway Crossings	<input type="checkbox"/> Necessary permits are in place. <input type="checkbox"/> Observers are in place if necessary. <input type="checkbox"/> Necessary traffic control is in place.
	Mechanical Failure	<input type="checkbox"/> Equipment is in good condition.
	Communication Failure	<input type="checkbox"/> The crew has a pull plan in place. <input type="checkbox"/> The crew is communicating effectively.
	Dropped Wire	<input type="checkbox"/> There are guard structures where required. <input type="checkbox"/> There is proper tension on pullers. <input type="checkbox"/> There is proper rigging in place and in good condition. <input type="checkbox"/> Wire is sound for pull (splices, rigging, tools, etc).
	General	<input type="checkbox"/> Weather conditions safe for helicopter operations. <input type="checkbox"/> Pilot and crew conducted thorough pre-flight tailboard. <input type="checkbox"/> Clear communication established and maintained. <input type="checkbox"/> Pilot controls load safely and skillfully. <input type="checkbox"/> Crew mitigates static electricity. <input type="checkbox"/> Non-essential personnel remain at least 50 feet away from helicopter operations.
	Flying Debris	<input type="checkbox"/> Crew is wearing proper PPE for helicopter operations. <input type="checkbox"/> The landing zone is free of loose debris.

Critical Observable Action Table Overhead Distribution



Activity / Environment	Primary Hazards	Critical Observable Actions
	Dropped Loads	<input type="checkbox"/> Load is rigged correctly. <input type="checkbox"/> Rigging is inspected and in good condition. <input type="checkbox"/> Pole is secured by ground crew. <input type="checkbox"/> Crew is using SONO tubes when setting poles <input type="checkbox"/> Crew waits until pole is at waist level before guiding.
	Wire Strike	<input type="checkbox"/> Crew and pilot have established the safest path of travel. <input type="checkbox"/> Pilot maintains Minimum Approach Distance (MAD). <input type="checkbox"/> Long line is of sufficient length. <input type="checkbox"/> Load is confirmed free and clear before pilot climbs away.
	Utility Strike	<input type="checkbox"/> Crew has a valid current USA ticket on site. <input type="checkbox"/> Markings are clear and legible. <input type="checkbox"/> Crew hand digs to reveal conflicting utilities (within 24 inches either side) before mechanized digging.