



Critical Observable Action Table Transmission Bulk Power



Activity / Environment	Primary Hazards	Critical Observable Actions
	General	<ul style="list-style-type: none"> <input type="checkbox"/> There is a Contractor Health and Safety Program (HASP) on site <input type="checkbox"/> The crew has completed a thorough tailboard, covering all Primary Hazards (critical hold points), and it is signed by all. <input type="checkbox"/> There is an Emergency Action Plan (EAP) on site. <input type="checkbox"/> Emergency rescue equipment is on site, and readily available. <input type="checkbox"/> The site is well organized and free of tripping hazards. <input type="checkbox"/> Weather condition is 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 appropriate clothing for their scope and environment.
	Fire	<ul style="list-style-type: none"> <input type="checkbox"/> There is a fire evacuation plan on site, if required. <input type="checkbox"/> Required fire tools are on site and easily accessible. <input type="checkbox"/> Vehicles are parked in a cleared area when possible, and in the direction of egress.
	Basic Personal Protective Equipment	<ul style="list-style-type: none"> <input type="checkbox"/> Crew is wearing proper head protection. <input type="checkbox"/> Crew is wearing safety glasses. <input type="checkbox"/> Crew is wearing hand protection. <input type="checkbox"/> Crew is wearing foot protection.
	Traffic	<ul style="list-style-type: none"> <input type="checkbox"/> Effective traffic control is 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.
	Human Performance	<ul style="list-style-type: none"> <input type="checkbox"/> The crew is communicating effectively. <input type="checkbox"/> The crew is using three-way communication for critical tasks. <input type="checkbox"/> The crew is working at a safe pace. <input type="checkbox"/> The crew is avoiding pinch points and bights. <input type="checkbox"/> The crew is working free of distractions (e.g. mobile phones, etc.). <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.




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	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.
	Induction	<input type="checkbox"/> Approved site-specific grounding plan, including EPZ grounding, is on site. <input type="checkbox"/> Equipment is EPZ grounded. <input type="checkbox"/> Crane basket is bonded to the wire. <input type="checkbox"/> If accessible, crane is bonded to the structure. <input type="checkbox"/> Equipment is barricaded.
	Ladders and Platforms	<input type="checkbox"/> Ladders and platforms are pre-inspected and in good condition. <input type="checkbox"/> Anticipated load within capacity of the ladder or platform. <input type="checkbox"/> Ladders and platforms are anchored to structure properly. <input type="checkbox"/> Fall protection attached to an appropriate anchorage point. <input type="checkbox"/> Safety chains are in place.
	Induction / Electrical Contact	<input type="checkbox"/> Approved site-specific grounding plan is in place. <input type="checkbox"/> Equipment is EPZ grounded. <input type="checkbox"/> All equipment on site is bonded properly. <input type="checkbox"/> Equipment barricaded and proper personnel transition is in place.
	Dropped Wire	<input type="checkbox"/> Old conductor is inspected and confirmed safe to pull. <input type="checkbox"/> There is an approved pull plan on site. <input type="checkbox"/> Guard structures are in place. <input type="checkbox"/> Adequate cover over hot crossings are in place. <input type="checkbox"/> Line status is confirmed. <input type="checkbox"/> Traffic/pedestrian security is in place. <input type="checkbox"/> Traffic and railroad crossing permits are in place as required. <input type="checkbox"/> Effective radio communication is established. <input type="checkbox"/> Qualified observers are present at critical points.
	Rigging Failure	<input type="checkbox"/> Ensure proper rigging meets anticipated tensions. <input type="checkbox"/> Rigging equipment is in good condition. <input type="checkbox"/> Rigging is applied correctly (grips, hoists, slings, shackles, etc.).

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<p>(CONTINUED)</p> 	<p>Equipment Failure</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Equipment has been inspected, has valid certifications, and is in good condition. <input type="checkbox"/> Equipment is set up correctly. <input type="checkbox"/> Crew is using correct equipment for the job. <input type="checkbox"/> Equipment operated in a safe manner and as designed.
	<p>Structure Failure</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Structure is visibly sound. <input type="checkbox"/> Tension is within structure capacity. <input type="checkbox"/> Foundation integrity has been confirmed.
	<p>Backing Into / Over</p>	<ul style="list-style-type: none"> <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.
	<p>Collision</p>	<ul style="list-style-type: none"> <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.
	<p>Driving with a Trailer</p>	<ul style="list-style-type: none"> <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.
	<p>Load Securement</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Loads are secured properly.
	<p>Fall from Heights</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Crew maintains 3 POC when ascending and descending. <input type="checkbox"/> Walking surfaces are free of tripping hazards and oil.
	<p>Overhead Obstructions</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Crew uses a spotter to avoid overhead obstructions. <input type="checkbox"/> Equipment (boom, etc.) is properly stowed.
	<p>Crane Instability</p>	<ul style="list-style-type: none"> <input type="checkbox"/> The crew has a lift plan in place. <input type="checkbox"/> Operator is certified and qualified. <input type="checkbox"/> Crane configuration and capacity sufficient for the weight of the load. <input type="checkbox"/> Outrigger and pads are in place. <input type="checkbox"/> Ground is stable. <input type="checkbox"/> Weather is safe for crane operation.
	<p>Overhead Obstructions</p>	<ul style="list-style-type: none"> <input type="checkbox"/> There is a qualified engaged observer. <input type="checkbox"/> The operator has an acceptable flight plan in place.



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<p>(CONTINUED)</p> 	<p>Rigging Failure</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Rigging is tagged and in good condition. <input type="checkbox"/> Rigging is 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.
	<p>Loss of Control of the Load</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Use of taglines when appropriate. <input type="checkbox"/> Load is plumb prior to lift. <input type="checkbox"/> Equipment is operated properly and as intended.
	<p>Equipment Failure</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Equipment has been inspected and confirmed in good condition.
	<p>General</p>	<ul style="list-style-type: none"> <input type="checkbox"/> All involved line crew has signed air operations tailboard sheet. <input type="checkbox"/> Weather conditions are safe for helicopter operations. <input type="checkbox"/> There is a solid communication plan, including both air-to-ground and air-to-air communications (i.e. multiple aircraft).
	<p>Landing Zone Ingress / Egress</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Pilot acknowledgement and eye contact established prior to approach. <input type="checkbox"/> Crews approach helicopter in full view of the pilot. <input type="checkbox"/> Tools are carried at or below waist level. <input type="checkbox"/> Crew wearing helicopter specific PPE (chin straps, goggles, etc.).
	<p>Flying Objects</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Landing zone clear of loose materials (FOD).
	<p>Static Electricity</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Crew dissipates static electricity before handling load or uses rubber gloves.
	<p>Uncontrolled Loads</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Crew using tag lines, if required. <input type="checkbox"/> Pilot controlling the load smoothly and effectively.
	<p>Dropped Objects</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Approved long line is inspected and in good condition. <input type="checkbox"/> Loads are rigged appropriately. <input type="checkbox"/> Pre-approved flight plan is in place. <input type="checkbox"/> Load is not approached or handled until chest height or lower. <input type="checkbox"/> Minimal personnel are underneath load.
	<p>Collision with a Conductor</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Pilot and airborne line crew have established effective communication protocol. <input type="checkbox"/> Pilot is aware of conductor heights along route of flight and has planned accordingly.
	<p>Dropped Objects</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Tools are tethered.
	<p>Fall from Heights</p>	<ul style="list-style-type: none"> <input type="checkbox"/> The helicopter has a double attachment point (bellyband, dual-hook systems, or approved waiver from FAA). <input type="checkbox"/> Crew is using a longline dedicated to HEC. <input type="checkbox"/> Long line has been inspected and found to be in good condition. <input type="checkbox"/> Lineman has two points of contact with the long line. <input type="checkbox"/> Fall protection is inspected daily and in good condition. <input type="checkbox"/> Personal fall protection worn correctly.

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	Structure Transfer	<ul style="list-style-type: none"> <input type="checkbox"/> Lineman has 100% fall protection attached to approved anchorage point. <input type="checkbox"/> [Skid Transfer] Lineman bonds to the structure prior to transfer. <input type="checkbox"/> [Skid Transfer] Lineman is never attached to the helicopter and structure at the same time. <input type="checkbox"/> [HEC] Lineman must be attached to structure prior to disconnecting from long line.
	Pinch Points	<ul style="list-style-type: none"> <input type="checkbox"/> Lineman keeps hands and arms clear of the rollers.
	Fall from Heights	<ul style="list-style-type: none"> <input type="checkbox"/> Safety chains are in place. <input type="checkbox"/> Lineman is using 100% fall protection.
	Dropped Objects	<ul style="list-style-type: none"> <input type="checkbox"/> Tools and equipment are secured.
	Equipment Failure	<ul style="list-style-type: none"> <input type="checkbox"/> Spacer cart is traveling at a safe speed. <input type="checkbox"/> Equipment is inspected and confirmed in good working condition.