

Activity Hazard Analysis (AHA)

Activity/Work Task	TEMPORARY TELECOMMUNICATIONS		Overall Risk Assessment Code (RAC)		L		
AHA Signature Log #			(Use highest code)				
Project Location	San Diego	Risk Assessment Code (RAC) Matrix					
Contract Number	N62473-13-D-7436						
Date Prepared	March 7, 2018	Severity	Frequent	Likely	Occasional	Seldom	Unlikely
SSHO Signature		Catastrophic	E	E	H	H	M
Superintendent Signature		Critical	E	H	H	M	L
QC Manager Signature		Marginal	H	M	M	L	L
Subcontractor Foreman Name:	Mark Johnson	Negligible	M	L	L	L	L
Signature:		Step 1: Review each Hazard with identified safety "Controls". Determine RAC (see above).					
QA Reviewed by (Name/Title)	James Smith / SSHO	RAC CHART					
Notes: (Field Notes, Review Comments, etc)		Probability: Likelihood the activity will cause a Mishap (Near Miss, Incident, or Accident). Identify as Frequent, Likely, Occasional, Seldom or Unlikely.		E = Extremely High Risk			
		Severity: The outcome of a mishap occurred. Identify as Catastrophic, Critical, Marginal or Negligible.		H = High Risk			
		Step 2: Identify the RAC (probability vs. severity) as E, H, M, or L for each "Hazard" on AHA.		M = Moderate Risk			
		Announce the overall highest RAC at the top of the AHA.		L = Low Risk			

Job Steps (Work Sequence)	Specific Anticipated Hazards	Controls	RAC
Site-specific/Job specific training for workers	Employees not trained in the safe execution of their tasks may harm themselves or others	- Use this Activity Hazard Analysis and other formal and informal training as a means to train workers. NOTE: If the scope of work detailed below changes in any way, contact the Safety Department and complete an AHA amendment detailing the new scope of work.	L
Put on your personal protective equipment.	Head, foot, or eye injury Personnel being struck by equipment/trucks Hearing damage	- Workers entering the job site must wear a hard hat, safety glasses, Class II reflective vest and safety-toed work boots AT ALL TIMES. - Wear gloves when handling sharp objects. - Do not wear clothing or jewelry that could easily get snagged or caught by equipment or machinery.	L
EM 385-1-1, Sect. 5.A, 5.B, 5.C, 5.D, 5.E, 5.F			

UFGS 013526 11/15 1.9 Government reserves the right to require the Contractor to revise and resubmit the AHA if it fails to effectively identify the work sequences, specific anticipated hazards, site conditions, equipment, materials, personnel and the control measures to be implemented.

UFGS 013526 1.9.1 Review the AHA list periodically (at least monthly) at supervisory safety meetings, update when procedures, scheduling or hazards change

UFGS 013526 1.9.2 Each employee performing work ... must review the AHA and sign a signature log for that AHA prior to starting work. The SSHO must maintain a signature log on site for every AHA.

Job Steps (Work Sequences)	Specific Anticipated Hazards	Controls	RAC
Receive deliveries and store material	Crushing or pinching hands or feet Excessive material handling Strains and Sprains	<ul style="list-style-type: none"> - When moving material, keep hands and feet clear of pinch points. Stack material on stickers. - Store material in such a manner that it will not be blown or knocked over. - Stay clear of moving machinery, heed backup alarms and get out of the way. - Stage material as close to its final destination as possible. - Use safe lifting techniques. <p>EM 385-1-1, Sect. 14.A</p>	L
Check electrical cords (portable flexible cords)	Electrical Shock Electrocution/Death	<ul style="list-style-type: none"> - Do not use electrical cords with cuts, worn insulation, or visible conductors. - Use cords rated for hard extra-heavy usage. - Use factory-assembled cords as much as possible. Repairs must preserve the original electrical and mechanical integrity of the cord. - Electrical tape fixes are prohibited and replacement plugs must be properly installed and provided with strain relief clamps. - Check that the ground prong is in tact. - GFCI protection shall be provided on all circuits serving portable electric hand tools. Use only GFCI protected outlets. <p>EM 385-1-1, Sect. 11.D.05, 11.A.06</p>	L
Inspect tools	Injury due to defective or improperly functioning power tools Electric shock from defective tools. Impact injuries, splinters Impact injuries from spinning tool	<ul style="list-style-type: none"> - Remove defective tools from the job site. - Wooden handles for tools are secured tightly in the tool and free of cracks and splinters. - All saws are equipped with properly functioning manufacture installed guards. - Hand held power tools (saws, drills, grinders) are equipped only with a constant pressure switch. - Pneumatic nailers have a functioning safety device on the muzzle to prevent ejection unless muzzle in contact with work surface. - Only use tools for their intended use. - GFCI protection shall be provided on all circuits serving portable electric hand tools. Use only GFCI protected outlets. - Tag defective tools and remove them from the workplace. <p>EM 385-1-1, Sect. 11.D.05, 13.A, 13.B, 13.C, 13.D, 13.H</p>	L

UFGS 013526 11/15 1.9 Government reserves the right to require the Contractor to revise and resubmit the AHA if it fails to effectively identify the work sequences, specific anticipated hazards, site conditions, equipment, materials, personnel and the control measures to be implemented.

UFGS 013526 1.9.1 Review the AHA list periodically (at least monthly) at supervisory safety meetings, update when procedures, scheduling or hazards change

UFGS 013526 1.9.2 Each employee performing work ... must review the AHA and sign a signature log for that AHA prior to starting work. The SSO must maintain a signature log on site for every AHA.

Job Steps (Work Sequences)	Specific Anticipated Hazards	Controls	RAC
Re-fuel gas powered tools	Fires, explosions, burns	<ul style="list-style-type: none"> - Use only approved metal safety cans to store and dispense fuel. - Place oily or fuel soaked rags and other combustibles in approved containers. - DO NOT SMOKE WHILE REFUELING. <p>EM 385-1-1, Sect. 9.B, 26.D</p>	L
Cleaning surfaces with compressed air	Airway irritation, silicosis Injection of foreign material into the body through the skin	<ul style="list-style-type: none"> - Never use compressed air to blow dirt from hands, face, or clothing and pressure should not exceed 30 psi. - DO NOT HORSEPLAY WITH COMPRESSED AIR. - Wear a dust mask and goggles in addition to the standard PPE when working with compressed air. <p>EM 385-1-1, Sect. 20.B.05</p>	L
Layout, communication, and preparatory instructions	Lack of coordination between workers - Mistakes, Injuries	<ul style="list-style-type: none"> - Before beginning each phase of work the foreman will explain to the workers what needs to be done and how the work will be done. - All reach-lifts which is below the level of the work is ongoing, to which workers could fall must be protected with square top safety caps. - Be aware of your surroundings while moving materials, watch where you are going. - Never move materials over or above workers. - Team lift heavy or awkward materials. - Use safe lifting techniques. - Use material handling aids whenever possible. - Be aware of your surroundings and watch where you are going while carrying material. - Never move materials above coworkers. - When receiving/stocking material through a wall or floor opening, do not stand in front or above the opening where you could fall. - (See training and inspection requirements for reach-lifts below.) - When stocking material above ground level up to 35-feet, a reach-lift will place the pallet as close to the material's final destination as possible, then hand stocking will occur. <p>EM 385-1-1, Sect. 14.A See Activity Hazard Analysis on forklift operation</p>	L
Moving material	Strains from lifting Striking and injuring co-workers with materials Crushed	<ul style="list-style-type: none"> - Team lift heavy or awkward materials. - Use safe lifting techniques. - Use material handling aids whenever possible. - Be aware of your surroundings and watch where you are going while carrying material. - Never move materials above coworkers. - When receiving/stocking material through a wall or floor opening, do not stand in front or above the opening where you could fall. - (See training and inspection requirements for reach-lifts below.) - When stocking material above ground level up to 35-feet, a reach-lift will place the pallet as close to the material's final destination as possible, then hand stocking will occur. <p>EM 385-1-1, Sect. 14.A See Activity Hazard Analysis on forklift operation</p>	L

UFGS 013526 11/15 1.9 Government reserves the right to require the Contractor to revise and resubmit the AHA if it fails to effectively identify the work sequences, specific anticipated hazards, site conditions, equipment, materials, personnel and the control measures to be implemented.

UFGS 013526 1.9.1 Review the AHA list periodically (at least monthly) at supervisory safety meetings, update when procedures, scheduling or hazards change

UFGS 013526 1.9.2 Each employee performing work ... must review the AHA and sign a signature log for that AHA prior to starting work. The SSO must maintain a signature log on site for every AHA.

Job Steps (Work Sequences)	Specific Anticipated Hazards	Controls	RAC
Roll out tools and set up equipment	Tripping - Hoses, Cords, Compressor	<ul style="list-style-type: none"> - Keep corridors and high traffic areas free of cords, hoses, & other equipment. - Completely unroll all hoses and cords, avoid tangles. - Arrange hoses and cords in an orderly fashion. - Clean up scrap materials and debris before and after working in an area. - Maintain Good housekeeping. - All trash and debris shall be put in appropriate locations. - Do not leave tools and materials laying around on the ground. EM385-1-1, Sect. 14.C	L
Hoist and Set Material/Components (Forklift)	Unexpected movements Materials striking and injuring workers Crushed by falling material Swinging loads striking and injuring workers	<ul style="list-style-type: none"> - Assure that there is good communication between workers and the hoist operator. - Never walk under a raised load. - Use a tag line on all loads to stabilize the load and maneuver it into position. EM 385-1-1, Sect. 13.D, 14.A, 21.A, B, C, 27.A, B, C See Activity Hazard Analysis on Forklift Operation	L
Working with combustible materials	Fire and Explosions - Burns	<ul style="list-style-type: none"> - Ensure that there is an ABC rated fire extinguisher is always within 100 ft. of your working area. - Know how to operate the fire extinguisher. - Always heed "No Smoking or Open Flame" warning signs. Remove combustible scrap and debris from work areas daily. - Store combustibles in approved locations/containers. - Use approved metal safety cans used for handling and use of flammable liquids. EM385-1-1, Sect. 6.A, 6.B, 9.A, 9.B	L
Working in Confined Spaces	Asphyxiation or carbon monoxide poisoning	<ul style="list-style-type: none"> - Never enter a confined space such as man-holes, vats, silos, vaults, tunnels, duct work, etc. This hazard analysis does not cover painting in Confined Spaces. - Always heed warning signs for confined spaces. EM 385-1-1, Sect. 34	L

UFGS 013526 11/15 1.9 Government reserves the right to require the Contractor to revise and resubmit the AHA if it fails to effectively identify the work sequences, specific anticipated hazards, site conditions, equipment, materials, personnel and the control measures to be implemented.

UFGS 013526 1.9.1 Review the AHA list periodically (at least monthly) at supervisory safety meetings, update when procedures, scheduling or hazards change

UFGS 013526 1.9.2 Each employee performing work ... must review the AHA and sign a signature log for that AHA prior to starting work. The SSHA must maintain a signature log on site for every AHA.

Job Steps (Work Sequences)	Specific Anticipated Hazards	Controls	RAC
Using Explosive-Actuated tools	Injuries to eyes, hands and wrists, or ears	<ul style="list-style-type: none"> - Wear personal protective gear including eye, ear, and hand protection. - Proper warning signs are required to be posted. - Never use a powder actuated tool unless you have been trained and certified the specific tool (brand/model) & its use. - Hold the tool firmly (bend elbow slightly), and perpendicular to the work surface. - In the event of "mis-fire" hold in place for 30 seconds before removal. 	L
Cut uni-strut and/or conduit	Cuts and scrapes Sharp edges, burrs	<p>EM 385--1-1, Sect. 5.A, 5.C, 5.D, 5.E, 5.F, 12.1</p> <ul style="list-style-type: none"> - Keep fingers at least 8 inches from the blade. - Cut short pieces from long stock and hold the long end of the piece. - Don't try to cut too quickly. - Be sure the piece you are cutting is properly supported and secured. - Watch where you are throwing your cut pieces. Do not cut where sparks will land on other workers or on combustible materials. - Wear safety glasses with side shields or goggles, and foam ear muffs. 	L
Working in hot weather	Heat Stroke, Heat Exhaustion, Heat Cramps Sunburn	<p>EM 385--1-1, Sect. 5.A, 5.B, 5.C, 5.D, 5.E, 5.F, 13.A</p> <ul style="list-style-type: none"> - Make sure you always have an adequate supply of cold water available. If your water supply is running low talk to your supervisor. - Take scheduled cool down breaks. - Provide ventilation or air cooling equipment for enclosed work areas. - Use sunscreen. - Respond quickly and decisively in case of an accident. Call 911 immediately. - Know where the emergency numbers are posted, where the first aid kit is, and who is trained in first aid. - Only persons trained in first aid should be allowed to administer first aid. <p>EM 385-1-1, Sect. 6.I</p>	L

SAMPLE

UFGS 013526 11/15 1.9 Government reserves the right to require the Contractor to revise and resubmit the AHA if it fails to effectively identify the work sequences, specific anticipated hazards, site conditions, equipment, materials, personnel and the control measures to be implemented.

UFGS 013526 1.9.1 Review the AHA list periodically (at least monthly) at supervisory safety meetings, update when procedures, scheduling or hazards change

UFGS 013526 1.9.2 Each employee performing work ... must review the AHA and sign a signature log for that AHA prior to starting work. The SSO must maintain a signature log on site for every AHA.

Job Steps (Work Sequences)	Specific Anticipated Hazards	Controls	RAC
Roll up Equipment & Clean-up	Slipping, Tripping, or falling, and Delayed Egress	<ul style="list-style-type: none"> - Store equipment out of the way. Roll up hoses and cords at end of day. - Clean up work area at the end of each shift. Stack materials in designated lay down areas. - Never throw or drop scrap and debris to a lower level unless that drop area has been cautioned/barricaded off to prevent workers from entering the area. - Place combustibles in approved containers. <p>EM 385-1-1, Sect. 2.B</p>	L
Sweep floor	Dust inhalation	<ul style="list-style-type: none"> - Wear a dust mask or respirator when sweeping. <p>EM 385-1-1, Sect. 5.G</p>	L
Responding to an emergency	Delayed emergency response- further injury or loss of life	<ul style="list-style-type: none"> - Respond quickly and decisively in case of an accident. Call 911 immediately. - Know where the emergency numbers are posted, where the first aid kit is, and who is trained in first aid. - Only persons trained in first aid shall be allowed to administer first aid. <p>EM 385-1-1, Sect. 3.A</p>	L
Administering First Aid	Exposure to blood-borne pathogens	<ul style="list-style-type: none"> - Use appropriate PPE when administering first aid such as gloves, masks, eye protection and/or resuscitation equipment especially when blood is present - Wash after contact with blood or other body fluids - Dispose of soiled material in a labeled leak-proof container <p>EM 385-1-1, Sect. 3.A, 3.B, 3.D</p>	L

Equipment to be Used	Training Requirements & Competent or Qualified Personnel Names	Inspection Requirements
Forklift	Forklift Operator Training and Certification/License Review of Manufacturer's Operating Manual Activity Hazard Analysis Review	<ul style="list-style-type: none"> - Conduct Daily Inspection prior to Use - including Back-up Alarm and Maintenance Records. - Operators Manual shall be on ALL equipment. - Forklift will be equipped with Fire Extinguisher.
Explosive-Actuated Tools	Only Qualified Operators possessing a Qualified Operators Card can use an explosive-actuated device.	<ul style="list-style-type: none"> - Inspected daily PRIOR TO LOADING for proper function, broken parts, etc. Any equipment found defective will be tagged, taken out of service and replaced immediately. Explosive-actuated tools must be inspected, thoroughly cleaned, and tested after 1,000 rounds.
Power Tools	Trained by site supervisor and authorized to use power tools.	<ul style="list-style-type: none"> - Inspected daily for broken parts, damaged cords etc. Any equipment found defective will be tagged, taken out of service and replaced immediately.

UFGS 013526 11/15 1.9 Government reserves the right to require the Contractor to revise and resubmit the AHA if it fails to effectively identify the work sequences, specific anticipated hazards, site conditions, equipment, materials, personnel and the control measures to be implemented.

UFGS 013526 1.9.1 Review the AHA list periodically (at least monthly) at supervisory safety meetings, update when procedures, scheduling or hazards change

UFGS 013526 1.9.2 Each employee performing work ... must review the AHA and sign a signature log for that AHA prior to starting work. The SSHO must maintain a signature log on site for every AHA.

Equipment to be Used	Training Requirements & Competent or Qualified Personnel Names	Inspection Requirements
Hand Tools	Trained by site supervisor before use.	- Inspected daily for broken parts, loose handles or components etc. Any equipment found defective will be tagged, taken out of service and replaced immediately.
Field/Work Truck	Valid Driver's License Required. Valid Insurance Certificate Required. Review Owner's Manual. Activity Hazard Analysis Review for each worker.	- Activity Hazard Analysis Review for each worker. - Vehicle must be properly maintained and in good working order. - Owner's Manual must be with vehicle. - Inspect daily prior to each shift.
Personal Protective Equipment (PPE)	All workers will be trained in the proper donning and use of PPE before beginning work.	- Inspect ALL PPE prior to each use. All damaged PPE will be replaced immediately.
First Aid Kits	A MINIMUM of 2 individuals trained in CPR/First Aid will be on-site and available to render aid at all times.	- First Aid Kits will be inspected weekly for damage and/or missing items which shall be replaced immediately.

Competent Person

Signature

SAMPLE

UFGS 013526 11/15 1.9 Government reserves the right to require the Contractor to revise and resubmit the AHA if it fails to effectively identify the work sequences, specific anticipated hazards, site conditions, equipment, materials, personnel and the control measures to be implemented.

UFGS 013526 1.9.1 Review the AHA list periodically (at least monthly) at supervisory safety meetings, update when procedures, scheduling or hazards change

UFGS 013526 1.9.2 Each employee performing work ... must review the AHA and sign a signature log for that AHA prior to starting work. The SSHO must maintain a signature log on site for every AHA.

Activity/Work Task: TEMPORARY TELECOMMUNICATIONS
Contract Name: MARKETING SAMPLE
Contract Number: N62473-13-D-7436

Competent Persons

Name: Signature: Date:

Meeting Attendees

Name: Signature: Date: Name: Signature: Date:

SAMPLE