







Risk Assessment for: [REDACTED] - Year 3			Required PPE			
Start date	14/08/2023	End date	18/08/2023			
Contact	[REDACTED]					
Phone	[REDACTED]					
Location	[REDACTED]					
Description	[REDACTED] - Critical and Non Critical Year 3 Scaffolding is required by site to do temperature calibration on the top of the tanks					
						

1 -General Site Work Method Statement

- Arrive on site and address site (general) and job (task specific) safety with customer contact.
- Observe and comply with all site safety rules and procedures.
- Confirm the scope of work with customer contact.
- Obtain a site permit-to-work as necessary taking note of any precautions / P.P.E required etc.
- Electroserv personnel must wear all PPE issued by the customer.
- Perform Point Of Work Risk Assessment (POWRA) before beginning task – raise any identified risks with customer contact and work with the contact to resolve.
- Electrical isolations are to be completed in accordance with the Customers Isolation Procedures – Remember LOTO – Lock Out Tag Out.
- Mechanical isolations are to be completed in accordance with the Customers Isolation Procedures – Remember LOTO – Lock Out Tag Out.
- Breaking in to lines/ vessels is to be performed in accordance with the customers local procedures – use PPE as specified.

Calibration of instruments by signal injection

- Assess instrument as found condition.
- Safely isolate electricity supply to the device (if required – engineer to assess).
- Disconnect the process sensor from the instrument/ input channel to be calibrated
- Connect multifunction calibrator to the instrument using suitable test leads.
- Remove isolation and reinstate power (if isolated)
- Perform Calibration by signal injection using multifunction calibrator
- Safely isolate electricity supply to the device (if required).
- Reconnect the process sensor to the instrument/ input channel that has been calibrated
- Remove isolation and reinstate power (if isolated)
- Check the instrument/ input channel has returned to the as found condition.
- Produce Calibration Certificate and affix calibration label.

Calibration of temperature systems (Full Loop)

- Assess system/ process as found condition.
- Ensure that the process/ temperature sensor is at a safe temperature to work on.
- Safely isolate electricity supply to the instrument/measurement system (if required - engineer to assess).
- Mechanically isolate and remove any sources of stored energy from the process (if required - engineer to assess).
- Remove the temperature sensor from the process. If it is necessary to Disconnect/reconnect the process wiring to remove the sensor, ensure electrical isolation is in place.
- Install temperature sensor into a mains powered dry block calibrator/ bath / mobile furnace.
- Apply test temperature as required. Monitor the temperature of the test environment with a reference temperature sensor.
- Perform Calibration by comparison with the system display temperature at the required points.
- Cool the temperature sensor to a safe temperature before removing from the test environment.
- Produce Calibration Certificate and affix calibration label.
- Refit the temperature sensor to the system/ process. If it is necessary to Disconnect/reconnect the process wiring to refit the sensor, ensure electrical isolation is in place.
- Remove isolations and reinstate power (if isolated)
- Check the system has returned to the as found condition.
- Produce Calibration Certificate and affix calibration label.

Calibration of Pressure Instruments

- Assess instrument as found condition.
- Safely isolate the pressure instrument from the process (seek isolation from customer contact if required)
- Safely isolate process wiring to the pressure instrument and disconnect (if required - engineer to assess).
- Remove the pressure instrument from the process.
- Connect the pressure instrument to the pressure calibration apparatus
- Perform Calibration over the specified range using the calibration apparatus - measure loop current using test equipment if required.
- Disconnect the pressure instrument from the pressure calibration apparatus
- Refit the pressure instrument to the process.
- Reconnect process wiring to the pressure instrument (If required)
- Remove isolations and reinstate power (if isolated)
- Check the instrument has returned to the as found condition.
- Produce Calibration Certificate and affix calibration label.

Sign off

Capacity: Service Business controller

Name: Lydia Deaville

08/08/2023 15:57:21



Manual Handling

From Register: 'Service Calibration RAMS'


Hazard:	Manual Handling	
	Rating Before Control Measures:	Rating After Control Measures:
	9	1



Risk Level	3 = High - Permanent Disability or Major Injury	Risk Level	1 = Low - Minor Injury
Likelihood	3 - Possible	Likelihood	1 - Very Unlikely


Description	Risk of injury through poor lifting techniques and/or excessive load
Who is harmed and how	All Electroserve staff and contractors. Exoskeletal injuries - back injuries.
Current Controls (Manual Handling)	Use approved manual handling techniques PPE. Loads not to exceed 25KG lifted by a single person.
Additional Controls (Manual Handling)	Point of works RA. Seek assistance as appropriate. Use mechanical manual handling aids where appropriate.

Lone Working From Register: 'Service Calibration RAMS'

Hazard:	Lone Working			
	Rating Before Control Measures:		Rating After Control Measures:	
	9		2	
	Risk Level	3 = High - Permanent Disability or Major Injury	Risk Level	2 = Medium - Temporary Disability or Illness
Likelihood	3 - Possible	Likelihood	1 - Very Unlikely	

Description	Risk of incident occurring when a person is working alone
Who is harmed and how	Staff or personnel working alone. Any potential for injury.
Current Controls (Lone Working)	Induction. PTW procedure. Regular Contact with with site contact or colleagues.
Additional Controls (Lone Working)	Point of work Risk assessment. Radio or phone contact. Regular check in with lone worker.


Adjacent Work Activities From Register: 'Service Calibration RAMS'

Hazard:	Adjacent Work Activities			
	Rating Before Control Measures:		Rating After Control Measures:	
	9		4	
	Risk Level	3 = High - Permanent Disability or Major Injury	Risk Level	2 = Medium - Temporary Disability or Illness
	Likelihood	3 - Possible	Likelihood	2 - Unlikely

Description	Risk of injury due to other people/teams working in the same area
Who is harmed and how	All Electroserve staff and contractors working in and around your working area. Dropped tools or objects Untidy working area. Hot works.
Current Controls	PTW System.


(Adjacent Work Activities)	
Additional Controls (Adjacent Work Activities)	Point of work risk assessment Be aware of your surroundings and the people working in the vicinity Communication

Access and Egress From Register: 'Service Calibration RAMS'

Hazard:	Access and Egress			
	Rating Before Control Measures:		Rating After Control Measures:	
	12		4	
	Risk Level	4 = Very high - Fatality, multiple serious injuries	Risk Level	2 = Medium - Temporary Disability or Illness
	Likelihood	3 - Possible	Likelihood	2 - Unlikely

Description	Inadequate access to or egress from the work space in the case of an emergency
Who is harmed and how	All Electroserve staff and contractors. Unable to exit the working area safely or extract an individual in the case of an incident
Current Controls (Access and Egress)	Site induction. Permit to work system. Access and Egress to be monitored and controlled by the site No confined space entry without permit and controls in place
Additional Controls (Access and Egress)	Point of work risk assessment. Plan escape route. Access and Egress to be monitored by the engineer constantly. Barriers, Fences and ladder access to be maintained and regularly checked.

Site Traffic From Register: 'Service Calibration RAMS'

Hazard:	Site Traffic			
	Rating Before Control Measures:		Rating After Control Measures:	
	12		3	
	Risk Level	4 = Very high - Fatality, multiple serious injuries	Risk Level	3 = High - Permanent Disability or Major Injury
	Likelihood	3 - Possible	Likelihood	1 - Very Unlikely

Description	Risk of injury due to moving vehicles and site traffic.
Who is harmed and how	All Electroserve staff, contractors and visitors. Being struck or crushed by a vehicle.
Current Controls (Site Traffic)	Site induction. Hi visibility clothing/workwear. Keep to the walkways and designated areas.
Additional Controls (Site Traffic)	Point of Works Risk Assessment. Be aware of surroundings. Barrier off work area if required.

Electrical Hazard From Register: 'Service Calibration RAMS'

Hazard:	Electrical Hazard			
	Rating Before Control Measures:		Rating After Control Measures:	
	12		3	
	Risk Level	4 = Very high - Fatality, multiple serious injuries	Risk Level	3 = High - Permanent Disability or Major Injury



Likelihood


3 - Possible

Likelihood

1 - Very Unlikely


Description	LV Equipment (110v-415v) Electrical shock, burns (internal and external).
Who is harmed and how	All Electroserve staff and contractors.
Current Controls (Electrical Hazard)	Permit to work Engineer to assess if isolation is required to carry out task Electrical Isolation to be carried out by the client
Additional Controls (Electrical Hazard)	Point of work risk assessment Fit personal lock to isolation point. (LOTOTO). Test electrical system is dead before working. Exercise caution when working on live equipment (Test and Calibration purposes only)



Working at Height From Register: 'Service Calibration RAMS'

Hazard:	Working at Height			
	Rating Before Control Measures:		Rating After Control Measures:	
	9		4	
	Risk Level	3 = High - Permanent Disability or Major Injury	Risk Level	2 = Medium - Temporary Disability or Illness
	Likelihood	3 - Possible	Likelihood	2 - Unlikely


Description	Risk of falling from Ladders, Platforms and general raised working areas. Injury and/or fall due to faulty equipment.
Who is harmed and how	All Electroserve staff and contractors. Other Personnel working in/or around the area. Falls from height.
Current Controls (Working at Height)	Site Induction PTW System. Access equipment to be provided and maintained by the client - MEWP, ladders and stepladders.
Additional Controls (Working at Height)	Check for scaffold / ladder inspection tag before use Do not work from the top step of stepladder - maintain 3 points of contact. 3 points of contact must be maintained on ladders. Ladders must be secured (tied) and footed by a second man. Competent MEWP operative - IPAF Certified. Harness to be worn in MEWP - to be provided by the client. No loose tools - use tool tethers.



Live Production Facility From Register: 'Service Calibration RAMS'

Hazard:	Live Production Facility			
	Rating Before Control Measures:		Rating After Control Measures:	
	6		2	
	Risk Level	3 = High - Permanent Disability or Major Injury	Risk Level	1 = Low - Minor Injury
	Likelihood	2 - Unlikely	Likelihood	2 - Unlikely

Description	Risk of moving vehicles, machinery and processes with various hazards associated across the site.
Who is harmed and how	All Electroserve staff including contractors, visitors.
Current Controls (Live Production Facility)	<div style="text-align: center;">  <p>General mandatory action sign</p> </div> <hr/> <p>Induction. PTW procedure. PPE</p>
Additional Controls (Live Production Facility)	<div style="text-align: center;">  <p>General mandatory action sign</p> </div> <hr/> <p>Site familiarity. Site hazard identification. Point of works Risk assessment.</p>

Noise From Register: 'Service Calibration RAMS'

Hazard:	Noise					
	Rating Before Control Measures:		6	Rating After Control Measures:		2
	Risk Level	2 = Medium - Temporary Disability or Illness		Risk Level	1 = Low - Minor Injury	
	Likelihood	3 - Possible		Likelihood	2 - Unlikely	


Description	Risk of hearing loss or permanent injury.
Who is harmed and how	All Personnel working in or nearby loud areas and/or environments due to absent or defective hearing protection.
Current Controls (Noise)	<div style="text-align: center;">  <p>Wear ear protection</p> </div> <hr/> <p>Induction for the site. PPE as indicated by signage.</p>
Additional Controls (Noise)	<div style="text-align: center;">  <p>Wear ear protection</p> </div> <hr/> <p>Site Familiarity. Point of work assessment. Increased level of PPE (if required)</p>

Hand Tools From Register: 'Service Calibration RAMS'

Hazard:	Hand Tools			
	Rating Before Control Measures:		Rating After Control Measures:	
	2		1	
	Risk Level	1 = Low - Minor Injury	Risk Level	1 = Low - Minor Injury
	Likelihood	2 - Unlikely	Likelihood	1 - Very Unlikely


Description	Risk of injury through use of defective or modified hand tools.
Who is harmed and how	Any Electroserve member of staff in use of the tools. Injuries caused by defective or modified equipment
Current Controls (Hand Tools)	Visual inspection - ensure tool is in good condition Ensure the tool has not been modified in any way.
Additional Controls (Hand Tools)	Correct use of tool

Ambient Temperatures From Register: 'Service Calibration RAMS'

Hazard:	Ambient Temperatures			
	Rating Before Control Measures:		Rating After Control Measures:	
	4		1	
	Risk Level	2 = Medium - Temporary Disability or Illness	Risk Level	1 = Low - Minor Injury
	Likelihood	2 - Unlikely	Likelihood	1 - Very Unlikely

Description	Risk of injury or harm due to excessive temperatures
Who is harmed and how	All Electroserve staff and contractors. Staff in constant exposure to extreme temperatures, extreme heat or extreme cold.
Current Controls (Ambient Temperatures)	Induction to the site. PTW procedure. Appropriate PPE. Regular water breaks - ensure hydration. Regular breaks to warm up.
Additional Controls (Ambient Temperatures)	Point of work risk assessment.


Poor Lighting From Register: 'Service Calibration RAMS'

Hazard:	Poor Lighting			
	Rating Before Control Measures:		Rating After Control Measures:	
	6		4	
	Risk Level	2 = Medium - Temporary Disability or Illness	Risk Level	2 = Medium - Temporary Disability or Illness
	Likelihood	3 - Possible	Likelihood	2 - Unlikely

Description	Risk of injury due to poor lighting,
Who is harmed and how	Electroserve personnel, Contractors, other colleagues or staff in the work area. Slips and trips, Emergency Egress - Hindered.
Current Controls	Induction to the site. Client to provide adequate lighting.

(Poor Lighting)	
Additional Controls (Poor Lighting)	Point of work risk assessment, Hand held / head torch. Task lighting.

Test Equipment : Calibration From Register: 'Service Calibration RAMS'

Hazard:	Test Equipment : Calibration			
	Rating Before Control Measures:		Rating After Control Measures:	
	6		2	
	Risk Level	3 = High - Permanent Disability or Major Injury	Risk Level	2 = Medium - Temporary Disability or Illness
	Likelihood	2 - Unlikely	Likelihood	1 - Very Unlikely


Description	Risk of injury through electrical shock/ burns/ pressure release
Who is harmed and how	All Electroserve staff. Faulty or defective equipment.
Current Controls (Test Equipment : Calibration)	PTW. PA Tested and in date. Calibrated and in date.
Additional Controls (Test Equipment : Calibration)	Point of work risk assessment Visual inspection. Check equipment is in good condition and free of damage. Route extension leads safely.

Hygiene From Register: 'Service Calibration RAMS'

Hazard:	Hygiene			
	Rating Before Control Measures:		Rating After Control Measures:	
	2		1	
	Risk Level	1 = Low - Minor Injury	Risk Level	1 = Low - Minor Injury
	Likelihood	2 - Unlikely	Likelihood	1 - Very Unlikely

Description	Risk of injury and/or infection, through poor sanitation and hygiene.
Who is harmed and how	All Electroserve staff and contractors. Spreading germs and diseases.
Current Controls (Hygiene)	Wash hands before, after eating and using the toilet. Follow all customer hygiene policies as instructed. PPE.
Additional Controls (Hygiene)	Availability and use of antibacterial hand sanitiser. Wear nitrile gloves during work and dispose of when finished.

Slips, Trips and Falls. From Register: 'Service Calibration RAMS'

Hazard:	Slips, Trips and Falls.			
	Rating Before Control Measures:		Rating After Control Measures:	
	9		2	
	Risk Level	3 = High - Permanent Disability or Major Injury	Risk Level	1 = Low - Minor Injury
	Likelihood	3 - Possible	Likelihood	2 - Unlikely


Description	Risk of slips, trips and falls.
Who is harmed and how	All Electroserve personnel and others. Poor house keeping, poor waste management, trip hazards.
Current Controls (Slips, Trips and Falls.)	Site induction. PPE. PTW system.
Additional Controls (Slips, Trips and Falls.)	Point of work risk assessment good house keeping to be maintained at all times. Route any extension leads safely


Personal Protective Equipment. From Register: 'Service Calibration RAMS'

Hazard:	Personal Protective Equipment.			
	Rating Before Control Measures:		Rating After Control Measures:	
	6		3	
	Risk Level	3 = High - Permanent Disability or Major Injury	Risk Level	3 = High - Permanent Disability or Major Injury
Likelihood	2 - Unlikely	Likelihood	1 - Very Unlikely	

Description	Risk of injury through poor PPE or defective PPE.
Who is harmed and how	All Electroserve staff. Defective PPE or the wrong PPE for purpose,
Current Controls (Personal Protective Equipment.)	Appropriate PPE to be issued. PPE to be maintained and used as instructed. Ensure no loose clothing.
Additional Controls (Personal Protective Equipment.)	Point of work risk assessment Adhere to any special PPE requirements of site. Site to provide additional required PPE.

Dust From Register: 'Service Calibration RAMS'

Hazard:	Dust		
	Rating After Control Measures:		
	4		
	Risk Level	2 = Medium - Temporary Disability or Illness	
Likelihood	2 - Unlikely		

Description	Dust in working environment
Who is harmed and how	Electroserve staff and any other contractors in working area. Respiratory difficulties and diseases.
Current Controls (Dust)	 Wear a mask
Additional	Client to advise on dusts present in working area. Client to supply appropriate PPE.

Controls

(Dust)

On-Site Amendments

Risk level	Likelihood
1 = Low - Minor Injury	1 = Very Unlikely
2 = Medium - Temporary Disability or Illness	2 = Unlikely
3 = High - Permanent Disability or Major Injury	3 = Possible
4 = Very high - Fatality, multiple serious injuries	4 = Likely
5 = Severe - Multiple Fatalities	5 = Very Likely

Risk Level	Likelihood				
	1	2	3	4	5
1	1	2	3	4	5
2	2	4	6	8	10
3	3	6	9	12	15
4	4	8	12	16	20
5	5	10	15	20	25

Identified Risk	People Affected	Control Measures	Risk Rating

