

**UETTDRT21A Install traction overhead wiring systems**

**Candidate:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Employer:** \_\_\_\_\_ **Employer Contact:** \_\_\_\_\_

Supervisor Report Part 1 – Work Performance (supervisor to complete)

Tick each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

1. Prepare to install overhead traction wiring systems		Achieved	
		Yes	No
1.1	Works schedule(s), including drawings, plans, requirements, established procedures, and material lists, are received, analysed and confirmed, if necessary, by site inspection.	<input type="checkbox"/>	<input type="checkbox"/>
1.2	Relevant requirements and established procedures for the work are communicated to all personnel and identified for all work sites.	<input type="checkbox"/>	<input type="checkbox"/>
1.3	OHS policies and procedures related to requirements and established procedures for the installation of overhead traction wiring systems are obtained and confirmed for the purposes of the work to be performed and communicated.	<input type="checkbox"/>	<input type="checkbox"/>
1.4	Work is prioritised and sequenced following consultation with others for completion within acceptable timeframes and in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.5	Hazards are identified, OHS risks assessed and control measures are prioritised, implemented and monitored including emergency exits kept clear according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.6	Relevant work permits are obtained to access and perform work according to requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.7	Resources including personnel, equipment, tools and personal protective equipment required for the job are obtained and confirmed in working order.	<input type="checkbox"/>	<input type="checkbox"/>
1.8	Relevant personnel at worksite are confirmed current in CPR, First Aid and other rescue procedures and related work procedures according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.9	Liaison and communication issues with other/authorised personnel, authorities, clients and land owners are resolved to carry out work where necessary.	<input type="checkbox"/>	<input type="checkbox"/>

1.10	Site is prepared according to the work schedule and to minimise risk and damage to property, commerce, and individuals in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.11	Personnel participating in the work, including plant operators and contractors, are fully briefed and respective responsibilities confirmed where applicable in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.12	Rail/Road signs, barriers and warning devices are positioned in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.13	Environmental constraints applicable to work are identified and control measures applied.	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Carry out the installation of overhead traction wiring systems</b>		<b>Achieved</b>	
		<b>Yes</b>	<b>No</b>
2.1	OHS, sustainable energy and environmental principles and practices to reduce the incidents of accidents and minimise waste are monitored and followed in accordance with requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.2	Lifting, climbing, working aloft, rescue and use of power tools/equipment, techniques and practices are safely followed and, currency according to requirements confirmed.	<input type="checkbox"/>	<input type="checkbox"/>
2.3	Systems and circuits are isolated as required, proved safe to work on in accordance with the requirements/permits and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.4	Essential knowledge and associated skills are applied in the safe installation of overhead traction wiring systems to ensure completion in an agreed timeframe and, to quality standards with a minimum of waste according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2.5	Overhead traction wiring systems, including cables, fittings, traction conductors and associated equipment are installed according to design and work schedule requirements and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.6	Profiling completed according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.7	Hazard warnings and safety signs are recognised and hazards and assessed OHS risks are reported to the immediate authorised persons for directions according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.8	Unplanned events in the installation of overhead traction wiring systems are undertaken within the scope of established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.9	Known solutions to a variety of problems are applied using acquired essential knowledge and associated skills.	<input type="checkbox"/>	<input type="checkbox"/>
2.10	Ongoing checks of quality of the work are undertaken in accordance with instructions and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>

3. Complete the installation of overhead traction wiring systems		Achieved	
		Yes	No
3.1	Work undertaken is checked against design drawings and works schedule for conformance with requirements and anomalies reported in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.2	Accidents and/or injuries are reported in accordance with requirements/established procedures, where applicable.	<input type="checkbox"/>	<input type="checkbox"/>
3.3	Work site is rehabilitated, cleaned up and made safe in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.4	Tools, equipment and any surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.5	Relevant work permit(s) are signed off and, the overhead traction wiring system is returned to service in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
3.6	Works completion records, reports, as installed /modified drawing and/or documentation and information are finalised and processed and appropriate personnel notified.	<input type="checkbox"/>	<input type="checkbox"/>

Supervisor Report Part 2 – Range Validation (supervisor to complete)

Initial against each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

Performance Element	Required Number of Occasions	Supervisor Initial
Use tensioning equipment correctly and safely	2	
Work safely from two (2) of the following plant/equipment: <i>(indicate)</i> ( ) EWP ( ) Portable platform ( ) Ladder	2 (for each type indicated)	
Install four (4) of the following traction wiring system components: <i>(indicate)</i> ( ) Support structure ( ) Span ( ) Section insulator ( ) Neutral section ( ) Midpoint anchor ( ) Support equipment ( ) Tension regulators ( ) Stay/guy wire ( ) Tramway support network	2 (for each type indicated)	

Install a contact/trolley	2	
Install one (1) of the following traction wiring system conductors: <i>(indicate)</i> <input type="checkbox"/> Catenary <input type="checkbox"/> Dropper <input type="checkbox"/> Feeder <input type="checkbox"/> Earth conductor <input type="checkbox"/> Drape/potential jumper	2	

**Supervisor Declaration**

Being a competent person, I verify that the candidate has performed each task, as indicated in this report, safely, within acceptable timeframes, and to a standard typically expected in the industry.

**Supervisor Name:** \_\_\_\_\_

**Supervisor Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

NOTE: to be considered a 'competent person' you must hold the unit of competency (or equivalent) against which you are reporting.

**UETDRRT22A Maintain traction overhead wiring systems**

**Candidate:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Employer:** \_\_\_\_\_ **Employer Contact:** \_\_\_\_\_

Supervisor Report Part 1 – Work Performance (supervisor to complete)

Tick each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

1. Prepare to maintain overhead traction wiring systems		Achieved	
		Yes	No
1.1	Works schedule(s), including drawings, plans, requirements, established procedures, and material lists, are received, analysed and confirmed, if necessary, by site inspection.	<input type="checkbox"/>	<input type="checkbox"/>
1.2	Relevant requirements and established procedures for the work are communicated to all personnel and identified for all work sites.	<input type="checkbox"/>	<input type="checkbox"/>
1.3	OHS policies and procedures related to requirements and established procedures for the maintenance of overhead traction wiring systems are obtained and confirmed for the purposes of the work to be performed and communicated.	<input type="checkbox"/>	<input type="checkbox"/>
1.4	Work is prioritised and sequenced following consultation with others for completion within acceptable timeframes and in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.5	Hazards are identified, OHS risks assessed and control measures are prioritised, implemented and monitored including emergency exits kept clear according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.6	Relevant work permits are obtained to access and perform work according to requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.7	Resources including personnel, equipment, tools and personal protective equipment required for the job are obtained and confirmed in working order.	<input type="checkbox"/>	<input type="checkbox"/>
1.8	Relevant personnel at worksite are confirmed current in CPR, First Aid and other rescue procedures according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.9	Liaison and communication issues with other/authorised personnel, authorities, clients and land owners are resolved to carry out work where necessary.	<input type="checkbox"/>	<input type="checkbox"/>

1.10	Site is prepared according to the work schedule and to minimise risk and damage to property, commerce, and individuals in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.11	Personnel participating in the work, including plant operators and contractors, are fully briefed and respective responsibilities confirmed where applicable in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.12	Rail/Road signs, barriers and warning devices are positioned in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.13	Environmental constraints applicable to work are identified and control measures applied.	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Carry out maintenance on overhead traction wiring systems</b>		<b>Achieved</b>	
		<b>Yes</b>	<b>No</b>
2.1	OHS, sustainable energy and environmental principles and practices to reduce the incidents of accidents and minimise waste are monitored and followed in accordance with requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.2	Lifting, climbing, working aloft, rescue and use of power tools/equipment, techniques and practices are safely followed and, currency according to requirements confirmed.	<input type="checkbox"/>	<input type="checkbox"/>
2.3	Systems and circuits are isolated as required, proved safe to work on in accordance with the requirements/permits and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.4	Essential knowledge and associated skills are applied in the safe maintenance of overhead traction wiring systems to ensure completion in an agreed timeframe and, to quality standards with a minimum of waste according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2.5	Maintenance, including repair and/or replacement of overhead traction wiring systems, including the modification and re-adjustment of overhead traction conductors is carried out, in accordance with the work schedule and requirements/established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.6	Hazard warnings and safety signs are recognised and hazards and assessed OHS risks are reported to the immediate authorised persons for directions according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.7	Unplanned events in the maintenance on overhead traction wiring systems are undertaken within the scope of established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.8	Known solutions to a variety of problems are applied using acquired essential knowledge and associated skills.	<input type="checkbox"/>	<input type="checkbox"/>
2.9	Ongoing checks of quality of the work are undertaken in accordance with instructions and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.10	Recommissioning checks and tests are undertaken to ensure the integrity of the system prior to returning to service.	<input type="checkbox"/>	<input type="checkbox"/>

3. Complete the maintenance on overhead traction wiring systems		Achieved	
		Yes	No
3.1	Work undertaken is checked against works schedule for conformance with requirements and anomalies reported in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.2	Accidents and/or injuries are reported in accordance with requirements/established procedures, where applicable.	<input type="checkbox"/>	<input type="checkbox"/>
3.3	Work site is rehabilitated, cleaned up and made safe in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.4	Tools, equipment and any surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.5	Relevant work permit(s) are signed off and, the overhead traction wiring system is returned to service in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
3.6	Works completion records, reports, as installed/modified drawing and/or documentation and information are finalised and processed and appropriate personnel notified.	<input type="checkbox"/>	<input type="checkbox"/>

Supervisor Report Part 2 – Range Validation (supervisor to complete)

Initial against each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

Performance Element	Required Number of Occasions	Supervisor Initial
Use tensioning equipment correctly and safely	2	
Work safely from two (2) of the following plant/equipment: <i>(indicate)</i> ( ) EWP ( ) Portable platform ( ) Ladder	2 (for each type indicated)	
Maintain four (4) of the following traction wiring system components: <i>(indicate)</i> ( ) Support structure ( ) Span ( ) Section insulator ( ) Neutral section ( ) Midpoint anchor ( ) Support equipment ( ) Tension regulators ( ) Stay/guy wire ( ) Tramway support network	2 (for each type indicated)	

Maintain a contact/trolley	2	
Maintain one (1) of the following traction wiring system conductors: <i>(indicate)</i> <input type="checkbox"/> Catenary <input type="checkbox"/> Dropper <input type="checkbox"/> Feeder <input type="checkbox"/> Earth conductor <input type="checkbox"/> Drape/potential jumper	2	

**Supervisor Declaration**

Being a competent person, I verify that the candidate has performed each task, as indicated in this report, safely, within acceptable timeframes, and to a standard typically expected in the industry.

**Supervisor Name:** \_\_\_\_\_

**Supervisor Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

NOTE: to be considered a 'competent person' you must hold the unit of competency (or equivalent) against which you are reporting.



**UETTD RRT23A Install rail traction bonds**

**Candidate:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Employer:** \_\_\_\_\_ **Employer Contact:** \_\_\_\_\_

Supervisor Report Part 1 – Work Performance (supervisor to complete)

Tick each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

1. Prepare to install traction bonds		Achieved	
		Yes	No
1.1	Works schedule(s), including drawings, plans, requirements, established procedures, and material lists, are received, analysed and confirmed, if necessary, by site inspection.	<input type="checkbox"/>	<input type="checkbox"/>
1.2	Relevant requirements and established procedures for the work are communicated to all personnel and identified for all work sites.	<input type="checkbox"/>	<input type="checkbox"/>
1.3	OHS policies and procedures related to requirements and established procedures for the installation of traction bonds are obtained and confirmed for the purposes of the work to be performed and communicated.	<input type="checkbox"/>	<input type="checkbox"/>
1.4	Work is prioritised and sequenced following consultation with others for completion within acceptable timeframes and in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.5	Hazards are identified; OHS risks assessed and control measures are prioritised, implemented and monitored including emergency exits kept clear according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.6	Relevant work permits are obtained to access and perform work according to requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.7	Resources including personnel, equipment, tools and personal protective equipment required for the job are obtained and confirmed in working order.	<input type="checkbox"/>	<input type="checkbox"/>
1.8	Relevant personnel at worksite are confirmed current in CPR, First Aid and other rescue procedures and related work procedures according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.9	Liaison and communication issues with other/authorised personnel, authorities, clients and land owners are resolved to carry out work where necessary.	<input type="checkbox"/>	<input type="checkbox"/>

1.10	Site is prepared according to the work schedule and to minimise risk and damage to property, commerce, and individuals in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.11	Personnel participating in the work, including plant operators and contractors, are fully briefed and respective responsibilities confirmed where applicable in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.12	Rail/Road signs, barriers and warning devices are positioned in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.13	Environmental constraints applicable to work are identified and control measures applied.	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Carry out the installation of traction bonds</b>		<b>Achieved</b>	
		<b>Yes</b>	<b>No</b>
2.1	OHS, sustainable energy and environmental principles and practices to reduce the incidents of accidents and minimise waste are monitored and followed in accordance with requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.2	Lifting, climbing, working aloft, rescue and use of power tools/equipment, techniques and practices are safely followed and, currency according to requirements confirmed.	<input type="checkbox"/>	<input type="checkbox"/>
2.3	Systems and circuits are isolated as required, proved safe to work on in accordance with the requirements/permits and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.4	Essential knowledge and associated skills are applied in the safe installation of traction bonds and bonding cables to ensure completion in an agreed timeframe and, to quality standards with a minimum of waste according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2.5	Cable and surrounds, including rail and other surfaces, are prepared to enable joint and terminations to be carried out according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.6	Traction bonds are carried out according to requirements and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.7	Hazard warnings and safety signs are recognised and hazards and assessed OHS risks are reported to the immediate authorised persons for directions according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.8	Unplanned events in the installation of traction bonds are undertaken within the scope of established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.9	Known solutions to a variety of problems are applied using acquired essential knowledge and associated skills.	<input type="checkbox"/>	<input type="checkbox"/>
2.10	Ongoing checks of quality of the work are undertaken in accordance with instructions and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>

3. Complete the installation of traction bonds		Achieved	
		Yes	No
3.1	Work undertaken is checked and tested against design drawings and works schedule for conformance with requirements and anomalies reported in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.2	Work site is rehabilitated, cleaned up and made safe in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.3	Tools, equipment and any surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.4	Relevant work permit(s) are signed off and, the system that has undergone the installation of a traction bond(s) is returned to service in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
3.5	Works completion records, reports, as installed /modified drawing and/or documentation and information are finalised and processed and appropriate personnel notified.	<input type="checkbox"/>	<input type="checkbox"/>

Supervisor Report Part 2 – Range Validation (supervisor to complete)

Initial against each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

Performance Element	Required Number of Occasions	Supervisor Initial
Install two (2) of the following bonds: <i>(indicate)</i> ( ) Covered or bare aluminium bonds ( ) Copper bonds ( ) Steel bonds ( ) Steel rail	2 (for each type indicated)	
Use three (3) of the following tools/equipment to install traction bonds: <i>(indicate)</i> ( ) Bonding specific tools ( ) Crimping devices ( ) Thermal moulds ( ) Rail drill ( ) Bonding fittings ( ) Explosive power tools ( ) Portable hand tools	2 (for each type indicated)	

Supervisor Report  
UETTD RRT23A Install rail traction bonds  
Candidate: \_\_\_\_\_



**Supervisor Declaration**

Being a competent person, I verify that the candidate has performed each task, as indicated in this report, safely, within acceptable timeframes, and to a standard typically expected in the industry.

**Supervisor Name:** \_\_\_\_\_

**Supervisor Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

NOTE: to be considered a 'competent person' you must hold the unit of competency (or equivalent) against which you are reporting.

Authorised by: Managing Director Craig Murray	Head of QIT - electrogroup Bob Carcary	Release Date: 11/02/2013	Author: Q Jeremy	Revision No: 1	Page: 12 of 4
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**UETDRRT24A Maintain rail traction bonds**

**Candidate:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Employer:** \_\_\_\_\_ **Employer Contact:** \_\_\_\_\_

Supervisor Report Part 1 – Work Performance (supervisor to complete)

Tick each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

1. Prepare to maintain traction bonds		Achieved	
		Yes	No
1.1	Works schedule(s), including drawings, plans, requirements, established procedures, and material lists, are received, analysed and confirmed, if necessary, by site inspection.	<input type="checkbox"/>	<input type="checkbox"/>
1.2	Relevant requirements and established procedures for the work are communicated to all personnel and identified for all work sites.	<input type="checkbox"/>	<input type="checkbox"/>
1.3	OHS policies and procedures related to requirements and established procedures for the maintenance of traction bonds are obtained and confirmed for the purposes of the work to be performed and communicated.	<input type="checkbox"/>	<input type="checkbox"/>
1.4	Work is prioritised and sequenced following consultation with others for completion within acceptable timeframes and in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.5	Hazards are identified; OHS risks assessed and control measures are prioritised, implemented and monitored including emergency exits kept clear according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.6	Relevant work permits are obtained to access and perform work according to requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.7	Resources including personnel, equipment, tools and personal protective equipment required for the job are obtained and confirmed in working order.	<input type="checkbox"/>	<input type="checkbox"/>
1.8	Relevant personnel at worksite are confirmed current in CPR, First Aid and other rescue procedures and related work procedures according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.9	Liaison and communication issues with other/authorised personnel, authorities, clients and land owners are resolved to carry out work where necessary.	<input type="checkbox"/>	<input type="checkbox"/>

1.10	Site is prepared according to the work schedule and to minimise risk and damage to property, commerce, and individuals in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.11	Personnel participating in the work, including plant operators and contractors, are fully briefed and respective responsibilities confirmed where applicable in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.12	Rail/Road signs, barriers and warning devices are positioned in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.13	Environmental constraints applicable to work are identified and control measures applied.	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Carry out the maintenance of traction bonds</b>		<b>Achieved</b>	
		<b>Yes</b>	<b>No</b>
2.1	OHS, sustainable energy and environmental principles and practices to reduce the incidents of accidents and minimise waste are monitored and followed in accordance with requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.2	Lifting, climbing, working aloft, rescue and use of power tools/equipment, techniques and practices are safely followed and, currency according to requirements confirmed.	<input type="checkbox"/>	<input type="checkbox"/>
2.3	Systems and circuits are isolated as required, proved safe to work on in accordance with the requirements/permits and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.4	Essential knowledge and associated skills are applied in the safe maintenance and repair of traction bonds and bonding cables to ensure completion in an agreed timeframe and, to quality standards with a minimum of waste according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2.5	Cable and surrounds, including rail and other surfaces, are prepared to enable joint and terminations to be carried out according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.6	Maintenance is carried out, in accordance with the work schedule and requirements/established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.7	Hazard warnings and safety signs are recognised and hazards and assessed OHS risks are reported to the immediate authorised persons for directions according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.8	Unplanned events in the maintenance of traction bonds are undertaken within the scope of established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.9	Known solutions to a variety of problems are applied using acquired essential knowledge and associated skills.	<input type="checkbox"/>	<input type="checkbox"/>
2.10	Ongoing checks of quality of the work are undertaken in accordance with instructions and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>

3. Complete the maintenance of traction bonds		Achieved	
		Yes	No
3.1	Work undertaken is checked and tested against design drawings and works schedule for conformance with requirements and anomalies reported in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.2	Work site is rehabilitated, cleaned up and made safe in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.3	Tools, equipment and any surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.4	Relevant work permit(s) are signed off and, the system that has undergone the maintenance of a traction bond(s) is returned to service in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
3.5	Works completion records, reports, as installed /modified drawing and/or documentation and information are finalised and processed and appropriate personnel notified.	<input type="checkbox"/>	<input type="checkbox"/>

Supervisor Report Part 2 – Range Validation (supervisor to complete)

Initial against each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

Performance Element	Required Number of Occasions	Supervisor Initial
Maintain two (2) of the following bonds: ( <i>indicate</i> ) ( ) Covered or bare aluminium bonds ( ) Copper bonds ( ) Steel bonds ( ) Steel rail	2 (for each type indicated)	
Use three (3) of the following tools/equipment to maintain traction bonds: ( <i>indicate</i> ) ( ) Bonding specific tools ( ) Crimping devices ( ) Thermal moulds ( ) Rail drill ( ) Bonding fittings ( ) Explosive power tools ( ) Portable hand tools	2 (for each type indicated)	

Supervisor Report  
UETDRRT24A Maintain rail traction bonds  
Candidate: \_\_\_\_\_



**Supervisor Declaration**

Being a competent person, I verify that the candidate has performed each task, as indicated in this report, safely, within acceptable timeframes, and to a standard typically expected in the industry.

**Supervisor Name:** \_\_\_\_\_

**Supervisor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

NOTE: to be considered a 'competent person' you must hold the unit of competency (or equivalent) against which you are reporting.

Authorised by: Managing Director Craig Murray	Head of QIT - electrogroup Bob Carcary	Release Date: 11/02/2013	Author: Q Jeremy	Revision No: 1	Page: 16 of 4
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**UETDRRT25A Install overhead rail traction configurations**

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Employer:** \_\_\_\_\_

**Employer Contact:** \_\_\_\_\_

Supervisor Report Part 1 – Work Performance (supervisor to complete)

Tick each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

1. Prepare to install overhead traction configurations		Achieved	
		Yes	No
1.1	Works schedule(s), including drawings, plans, requirements, established procedures, and material lists, are received, analysed and confirmed, if necessary, by site inspection.	<input type="checkbox"/>	<input type="checkbox"/>
1.2	Relevant requirements and established procedures for the work are communicated to all personnel and identified for all work sites.	<input type="checkbox"/>	<input type="checkbox"/>
1.3	OHS policies and procedures related to requirements and established procedures for the installation of overhead traction configurations are obtained and confirmed for the purposes of the work to be performed and communicated.	<input type="checkbox"/>	<input type="checkbox"/>
1.4	Work is prioritised and sequenced following consultation with others for completion within acceptable timeframes and in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.5	Hazards are identified; OHS risks assessed and control measures are prioritised, implemented and monitored including emergency exits kept clear according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.6	Relevant work permits are obtained to access and perform work according to requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.7	Resources including personnel, equipment, tools and personal protective equipment required for the job are obtained and confirmed in working order.	<input type="checkbox"/>	<input type="checkbox"/>
1.8	Relevant personnel at worksite are confirmed current in CPR, First Aid and other rescue procedures and related work procedures according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.9	Liaison and communication issues with other/authorised personnel, authorities, clients and land owners are resolved to carry out work where necessary.	<input type="checkbox"/>	<input type="checkbox"/>

1.10	Site is prepared according to the work schedule and to minimise risk and damage to property, commerce, and individuals in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.11	Personnel participating in the work, including plant operators and contractors, are fully briefed and respective responsibilities confirmed where applicable in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.12	Rail/Road signs, barriers and warning devices are positioned in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.13	Environmental constraints applicable to work are identified and control measures applied.	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Carry out the installation of overhead traction configurations</b>		<b>Achieved</b>	
		<b>Yes</b>	<b>No</b>
2.1	OHS, sustainable energy and environmental principles and practices to reduce the incidents of accidents and minimise waste are monitored and followed in accordance with requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.2	Lifting, climbing, working aloft, rescue and use of power tools/equipment, techniques and practices are safely followed and, currency according to requirements confirmed.	<input type="checkbox"/>	<input type="checkbox"/>
2.3	Systems and circuits are isolated as required, proved safe to work on in accordance with the requirements/permits and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.4	Essential knowledge and associated skills are applied in the safe installation of overhead traction configurations to ensure completion in an agreed timeframe and, to quality standards with a minimum of waste according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2.5	Electrical equipment and associated hardware is positioned, secured and terminated/connected in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2.6	Overhead traction configurations are installed as per requirements and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.7	Hazard warnings and safety signs are recognised and hazards and assessed OHS risks are reported to the immediate authorised persons for directions according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.8	Unplanned events during the installation of overhead traction configurations are undertaken within the scope of established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.9	Known solutions to a variety of problems are applied using acquired essential knowledge and associated skills.	<input type="checkbox"/>	<input type="checkbox"/>
2.10	Ongoing checks of quality of the work are undertaken in accordance with instructions and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>

3. Complete the installation of overhead traction configurations		Achieved	
		Yes	No
3.1	Work undertaken is checked and tested against design drawings and works schedule for conformance with requirements and anomalies reported in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.2	Work site is rehabilitated, cleaned up and made safe in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.3	Tools, equipment and any surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.4	Relevant work permit(s) are signed off after final inspections and the system is energised, tested and returned to service in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
3.5	Works completion records, reports, as installed /modified drawing and/or documentation and information are finalised and processed and appropriate personnel notified.	<input type="checkbox"/>	<input type="checkbox"/>

Supervisor Report Part 2 – Range Validation (supervisor to complete)

Initial against each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

Performance Element	Required Number of Occasions	Supervisor Initial
Install three (3) of the following configurations: ( <i>indicate</i> ) ( ) Overlap ( ) Cross-over ( ) Turnout crossings ( ) Train/tram crossing	2 (for each type indicated)	
Use one (1) of the following plant/equipment to install overhead traction configurations: ( <i>indicate</i> ) ( ) Elevating work platform ( ) Road/rail traction height access equipment. ( ) Ladders	2 (for each type indicated)	
Use two (2) of the following equipment types to install overhead traction configurations: ( <i>indicate</i> ) ( ) Height gauge ( ) Stagger gauge ( ) Cant gauge	2 (for each type indicated)	

Use one (1) of the following testers to verify overhead traction configurations: <i>(indicate)</i> <input type="checkbox"/> Voltage detector (LV or HV) <input type="checkbox"/> Voltmeter <input type="checkbox"/> Insulation resistance tester <input type="checkbox"/> Field intensity tester	2 (for each type indicated)	
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**Supervisor Declaration**

Being a competent person, I verify that the candidate has performed each task, as indicated in this report, safely, within acceptable timeframes, and to a standard typically expected in the industry.

**Supervisor Name:** \_\_\_\_\_

**Supervisor Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

NOTE: to be considered a 'competent person' you must hold the unit of competency (or equivalent) against which you are reporting.

**UETTD RRT26A Maintain overhead rail traction configurations**

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Employer:** \_\_\_\_\_

**Employer Contact:** \_\_\_\_\_

Supervisor Report Part 1 – Work Performance (supervisor to complete)

Tick each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

1. Prepare to maintain overhead traction configurations		Achieved	
		Yes	No
1.1	Works schedule(s), including drawings, plans, requirements, established procedures, and material lists, are received, analysed and confirmed, if necessary, by site inspection.	<input type="checkbox"/>	<input type="checkbox"/>
1.2	Relevant requirements and established procedures for the work are communicated to all personnel and identified for all work sites.	<input type="checkbox"/>	<input type="checkbox"/>
1.3	OHS policies and procedures related to requirements and established procedures for the maintenance of overhead traction configurations are obtained and confirmed for the purposes of the work to be performed and communicated.	<input type="checkbox"/>	<input type="checkbox"/>
1.4	Work is prioritised and sequenced following consultation with others for completion within acceptable timeframes and in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.5	Hazards are identified; OHS risks assessed and control measures are prioritised, implemented and monitored including emergency exits kept clear according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.6	Relevant work permits are obtained to access and perform work according to requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.7	Resources including personnel, equipment, tools and personal protective equipment required for the job are obtained and confirmed in working order.	<input type="checkbox"/>	<input type="checkbox"/>
1.8	Relevant personnel at worksite are confirmed current in CPR, First Aid and other rescue procedures and related work procedures according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.9	Liaison and communication issues with other/authorised personnel, authorities, clients and land owners are resolved to carry out work where necessary.	<input type="checkbox"/>	<input type="checkbox"/>

1.10	Site is prepared according to the work schedule and to minimise risk and damage to property, commerce, and individuals in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.11	Personnel participating in the work, including plant operators and contractors, are fully briefed and respective responsibilities confirmed where applicable in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.12	Rail/Road signs, barriers and warning devices are positioned in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.13	Environmental constraints applicable to work are identified and control measures applied.	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Carry out the maintenance of overhead traction configurations</b>		<b>Achieved</b>	
		<b>Yes</b>	<b>No</b>
2.1	OHS, sustainable energy and environmental principles and practices to reduce the incidents of accidents and minimise waste are monitored and followed in accordance with requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.2	Lifting, climbing, working aloft, rescue and use of power tools/equipment, techniques and practices are safely followed and, currency according to requirements confirmed.	<input type="checkbox"/>	<input type="checkbox"/>
2.3	Systems and circuits are isolated as required, proved safe to work on in accordance with the requirements/permits and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.4	Essential knowledge and associated skills are applied in the safe maintenance of overhead traction configurations to ensure completion in an agreed timeframe and, to quality standards with a minimum of waste according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2.5	Electrical equipment and associated hardware is positioned, secured and terminated/connected in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2.6	Maintenance, including repair and/or replacement of overhead traction configurations is carried out, in accordance with the work schedule and requirements/established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.7	Hazard warnings and safety signs are recognised and hazards and assessed OHS risks are reported to the immediate authorised persons for directions according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.8	Unplanned events during the maintenance of overhead traction configurations are undertaken within the scope of established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.9	Known solutions to a variety of problems are applied using acquired essential knowledge and associated skills.	<input type="checkbox"/>	<input type="checkbox"/>
2.10	Ongoing checks of quality of the work are undertaken in accordance with instructions and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>

3. Complete the maintenance of overhead traction configurations		Achieved	
		Yes	No
3.1	Work undertaken is checked and tested against design drawings and works schedule for conformance with requirements and anomalies reported in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.2	Work site is rehabilitated, cleaned up and made safe in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.3	Tools, equipment and any surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.4	Relevant work permit(s) are signed off after final inspections and recommissioning checks. The system is energised, tested and returned to service in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
3.5	Works completion records, reports, as installed /modified drawing and/or documentation and information are finalised and processed and appropriate personnel notified.	<input type="checkbox"/>	<input type="checkbox"/>

Supervisor Report Part 2 – Range Validation (supervisor to complete)

Initial against each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

Performance Element	Required Number of Occasions	Supervisor Initial
Maintain three (3) of the following configurations: <i>(indicate)</i> ( ) Overlap ( ) Cross-over ( ) Turnout crossings ( ) Train/tram crossing	2 (for each type indicated)	
Use one (1) of the following plant/equipment to maintain overhead traction configurations: <i>(indicate)</i> ( ) Elevating work platform ( ) Road/rail traction height access equipment. ( ) Ladders	2 (for each type indicated)	
Use two (2) of the following equipment types to maintain overhead traction configurations: <i>(indicate)</i> ( ) Height gauge ( ) Stagger gauge ( ) Cant gauge	2 (for each type indicated)	

Use one (1) of the following testers to verify overhead traction configurations: ( <i>indicate</i> ) <input type="checkbox"/> Voltage detector (LV or HV) <input type="checkbox"/> Voltmeter <input type="checkbox"/> Insulation resistance tester <input type="checkbox"/> Field intensity tester	2 (for each type indicated)	
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**Supervisor Declaration**

Being a competent person, I verify that the candidate has performed each task, as indicated in this report, safely, within acceptable timeframes, and to a standard typically expected in the industry.

**Supervisor Name:** \_\_\_\_\_

**Supervisor Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

NOTE: to be considered a 'competent person' you must hold the unit of competency (or equivalent) against which you are reporting.

Authorised by: Managing Director Craig Murray	Head of QIT - electrogroup Bob Carcary	Release Date: 11/02/2013	Author: Q Jeremy	Revision No: 1	Page: 24 of 4
Document:				Last print date: 02/07/22	



**UETDRRT27A Install overhead traction components and equipment**

**Candidate:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Employer:** \_\_\_\_\_

**Employer Contact:** \_\_\_\_\_

Supervisor Report Part 1 – Work Performance (supervisor to complete)

Tick each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

<b>1. Prepare for the installation of overhead traction equipment/components</b>		<b>Achieved</b>	
		<b>Yes</b>	<b>No</b>
<b>1.1</b>	Works schedule(s), including drawings, plans, requirements, established procedures, and material lists, are received, analysed and confirmed, if necessary, by site inspection.	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.2</b>	Relevant requirements and established procedures for the work are communicated to all personnel and identified for all work sites.	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.3</b>	OHS policies and procedures related to requirements and established procedures for the installation of overhead traction equipment/components are obtained and confirmed for the purposes of the work to be performed and communicated.	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.4</b>	Work is prioritised and sequenced following consultation with others for completion within acceptable timeframes and in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.5</b>	Hazards are identified, OHS risks assessed and control measures are prioritised, implemented and monitored including emergency exits kept clear according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.6</b>	Relevant work permits are obtained to access and perform work according to requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.7</b>	Resources including personnel, equipment, tools and personal protective equipment required for the job are obtained and confirmed in working order.	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.8</b>	Relevant personnel at worksite are confirmed current in CPR, First Aid and other rescue procedures according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.9</b>	Liaison and communication issues with other/authorised personnel, authorities, clients and land owners are resolved to carry out work where necessary.	<input type="checkbox"/>	<input type="checkbox"/>
<b>1.10</b>	Site is prepared according to the work schedule and to minimise risk and damage to property, commerce, and individuals in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>

1.11	Rail/Road signs, barriers and warning devices are positioned in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.12	Environmental constraints applicable to work are identified and control measures applied.	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Carry out the installation of overhead traction equipment/components</b>		<b>Achieved</b>	
		<b>Yes</b>	<b>No</b>
2.1	OHS, sustainable energy and environmental principles and practices to reduce the incidents of accidents and minimise waste are monitored and followed in accordance with requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.2	Lifting, climbing, working aloft, rescue and use of power tools/equipment, techniques and practices are safely followed and, currency according to requirements confirmed.	<input type="checkbox"/>	<input type="checkbox"/>
2.3	Systems and circuits are isolated as required, proved safe to work on in accordance with the requirements/permits and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.4	Essential knowledge and associated skills are applied in the safe installation of overhead traction equipment/components to ensure completion in an agreed timeframe and, to quality standards with a minimum of waste according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2.5	Electrical components/equipment and associated hardware are positioned, secured and terminated/connected in accordance with requirements and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.6	Hazard warnings and safety signs are recognised and hazards and assessed OHS risks are reported to the immediate authorised persons for directions according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.7	Unplanned events during the installation of overhead traction equipment/components are undertaken within the scope of established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.8	Known solutions to a variety of problems are applied using acquired essential knowledge and associated skills.	<input type="checkbox"/>	<input type="checkbox"/>
2.9	Ongoing checks of quality of the work are undertaken in accordance with instructions and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.10	Work undertaken is checked against design drawings and works schedule for conformance with requirements and anomalies reported in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>

3. Complete the installation of overhead traction equipment/components		Achieved	
		Yes	No
3.1	Work undertaken is checked against design drawings and works schedule for conformance with requirements and anomalies reported in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.2	Work site is rehabilitated, cleaned up and made safe in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.3	Tools, equipment and any surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.4	Relevant work permit(s) are signed off and, overhead traction equipment/components are commissioned in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
3.5	Works completion records, reports, as installed/modified drawing and/or documentation and information are finalised and processed and appropriate personnel notified.	<input type="checkbox"/>	<input type="checkbox"/>

Supervisor Report Part 2 – Range Validation (supervisor to complete)

Initial against each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

Performance Element	Required Number of Occasions	Supervisor Initial
Install two (2) of the following fittings: ( <i>indicate</i> ) ( ) Preformed fittings ( ) Compression fittings ( ) Wedge fittings ( ) Bolted splices	2 (for each type indicated)	
Install two (2) of the following devices: ( <i>indicate</i> ) ( ) Fuse switches ( ) Dropout fuses ( ) Section insulators ( ) Switches/isolators ( ) Links ( ) Fuses ( ) Surge diverters ( ) Transformers	2 (for each type indicated)	

<p>Safely and correctly use two (2) of the following tools and equipment: <i>(indicate)</i></p> <p><input type="checkbox"/> Voltage detectors  <input type="checkbox"/> Micrometer/gauge  <input type="checkbox"/> Tension wrench  <input type="checkbox"/> Dynamometer  <input type="checkbox"/> Specialised tools</p>	<p>2          (for each type indicated)</p>	
<p>Install five (5) of the following components: <i>(indicate)</i></p> <p><input type="checkbox"/> Cantilever hardware  <input type="checkbox"/> Head span  <input type="checkbox"/> Neutral sections  <input type="checkbox"/> Pull offs  <input type="checkbox"/> Registration fittings  <input type="checkbox"/> Steady span  <input type="checkbox"/> Tension regulators  <input type="checkbox"/> Cross spans  <input type="checkbox"/> Tramway support network  <input type="checkbox"/> Pendulum</p>	<p>2          (for each type indicated)</p>	
<p>Install three (3) of the following components: <i>(indicate)</i></p> <p><input type="checkbox"/> Feeders  <input type="checkbox"/> Dissimilar conductors  <input type="checkbox"/> Lugs  <input type="checkbox"/> Bolted clamp  <input type="checkbox"/> Drapes/potential jumper  <input type="checkbox"/> Droppers</p>	<p>2          (for each type indicated)</p>	

**Supervisor Declaration**

Being a competent person, I verify that the candidate has performed each task, as indicated in this report, safely, within acceptable timeframes, and to a standard typically expected in the industry.

**Supervisor Name:** \_\_\_\_\_

**Supervisor Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

NOTE: to be considered a 'competent person' you must hold the unit of competency (or equivalent) against which you are reporting.

**UETTD RRT28A Maintain overhead traction components and equipment**

**Candidate:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Employer:** \_\_\_\_\_ **Employer Contact:** \_\_\_\_\_

Supervisor Report Part 1 – Work Performance (supervisor to complete)

Tick each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

1. Prepare for the maintenance of overhead traction equipment/components		Achieved	
		Yes	No
1.1	Works schedule(s), including drawings, plans, requirements, established procedures, and material lists, are received, analysed and confirmed, if necessary, by site inspection.	<input type="checkbox"/>	<input type="checkbox"/>
1.2	Relevant requirements and established procedures for the work are communicated to all personnel and identified for all work sites.	<input type="checkbox"/>	<input type="checkbox"/>
1.3	OHS policies and procedures related to requirements and established procedures for the maintenance of overhead traction equipment/components are obtained and confirmed for the purposes of the work to be performed and communicated.	<input type="checkbox"/>	<input type="checkbox"/>
1.4	Work is prioritised and sequenced following consultation with others for completion within acceptable timeframes and in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.5	Hazards are identified, OHS risks assessed and control measures are prioritised, implemented and monitored including emergency exits kept clear according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.6	Relevant work permits are obtained to access and perform work according to requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.7	Resources including personnel, equipment, tools and personal protective equipment required for the job are obtained and confirmed in working order.	<input type="checkbox"/>	<input type="checkbox"/>
1.8	Relevant personnel at worksite are confirmed current in CPR, First Aid and other rescue procedures according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.9	Liaison and communication issues with other/authorised personnel, authorities, clients and land owners are resolved to carry out work where necessary.	<input type="checkbox"/>	<input type="checkbox"/>

1.10	Site is prepared according to the work schedule and to minimise risk and damage to property, commerce, and individuals in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.11	Personnel participating in the work, including plant operators and contractors, are fully briefed and respective responsibilities confirmed where applicable in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.12	Rail/road signs, barriers and warning devices are positioned in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.13	Environmental constraints applicable to work are identified and control measures are applied.	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Carry out the maintenance of overhead traction equipment/components</b>		<b>Achieved</b>	
		<b>Yes</b>	<b>No</b>
2.1	OHS, sustainable energy and environmental principles and practices to reduce the incidents of accidents and minimise waste are monitored and followed in accordance with requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.2	Lifting, climbing, working aloft, rescue and use of power tools/equipment, techniques and practices are safely followed and, currency according to requirements confirmed.	<input type="checkbox"/>	<input type="checkbox"/>
2.3	Systems and circuits are isolated as required, proved safe to work on in accordance with the requirements/permits and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.4	Essential knowledge and associated skills are applied in the safe maintenance of overhead traction equipment/components to ensure completion in an agreed timeframe and, to quality standards with a minimum of waste according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2.5	Electrical component/equipment and associated hardware is ascertained as operating within normal operating parameters and in accordance with requirements and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.6	Maintenance, including repair and/or replacement of overhead traction equipment/components is carried out, in accordance with the work schedule and requirements/established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.7	Hazard warnings and safety signs are recognised and hazards and assessed OHS risks are reported to the immediate authorised persons for directions according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.8	Unplanned events during the maintenance of overhead traction equipment/components are undertaken within the scope of established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.9	Known solutions to a variety of problems are applied using acquired essential knowledge and associated skills.	<input type="checkbox"/>	<input type="checkbox"/>

<b>2.10</b>	Ongoing checks/visual inspection of work quality are undertaken in accordance with instructions and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
<b>3. Complete the maintenance of overhead traction equipment/components</b>		<b>Achieved</b>	
		<b>Yes</b>	<b>No</b>
<b>3.1</b>	Work undertaken is checked and or tested against works schedule for conformance with requirements and anomalies reported in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
<b>3.2</b>	Work site is rehabilitated, cleaned up and made safe in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3</b>	Tools, equipment and any surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
<b>3.4</b>	Relevant work permit(s) are signed off after final inspections and the system is energised, tested and returned to service in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5</b>	Works completion records, reports, as installed /modified drawing and/or documentation and information are finalised and processed and appropriate personnel notified.	<input type="checkbox"/>	<input type="checkbox"/>

Supervisor Report Part 2 – Range Validation (supervisor to complete)

Initial against each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

Performance Element	Required Number of Occasions	Supervisor Initial
Maintain two (2) of the following fittings: <i>(indicate)</i> ( ) Preformed fittings ( ) Compression fittings ( ) Wedge fittings ( ) Bolted splices	2 (for each type indicated)	
Maintain two (2) of the following devices: <i>(indicate)</i> ( ) Fuse switches ( ) Dropout fuses ( ) Section insulators ( ) Switches/isolators ( ) Links ( ) Fuses ( ) Surge diverters ( ) Transformers	2 (for each type indicated)	

Safely and correctly use two (2) of the following tools and equipment: <i>(indicate)</i> <input type="checkbox"/> Voltage detectors <input type="checkbox"/> Micrometer/gauge <input type="checkbox"/> Tension wrench <input type="checkbox"/> Dynamometer <input type="checkbox"/> Specialised tools	2 (for each type indicated)	
Maintain five (5) of the following components: <i>(indicate)</i> <input type="checkbox"/> Cantilever hardware <input type="checkbox"/> Head span <input type="checkbox"/> Neutral sections <input type="checkbox"/> Pull offs <input type="checkbox"/> Registration fittings <input type="checkbox"/> Steady span <input type="checkbox"/> Tension regulators <input type="checkbox"/> Cross spans <input type="checkbox"/> Tramway support network <input type="checkbox"/> Pendulum	2 (for each type indicated)	
Maintain three (3) of the following components: <i>(indicate)</i> <input type="checkbox"/> Feeders <input type="checkbox"/> Dissimilar conductors <input type="checkbox"/> Lugs <input type="checkbox"/> Bolted clamp <input type="checkbox"/> Drapes/potential jumper <input type="checkbox"/> Droppers	2 (for each type indicated)	

**Supervisor Declaration**

Being a competent person, I verify that the candidate has performed each task, as indicated in this report, safely, within acceptable timeframes, and to a standard typically expected in the industry.

**Supervisor Name:** \_\_\_\_\_

**Supervisor Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

NOTE: to be considered a 'competent person' you must hold the unit of competency (or equivalent) against which you are reporting.



**UETTDRVC29B Control vegetation whilst performing linework**

**Candidate:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Employer:** \_\_\_\_\_ **Employer Contact:** \_\_\_\_\_

Supervisor Report Part 1 – Work Performance (supervisor to complete)

Tick each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

1. Prepare to control vegetation		Achieved	
		Yes	No
1.1	Works schedule(s), including drawings, plans, requirements, established procedures, and material lists, are received, analysed and confirmed, if necessary, by site inspection.	<input type="checkbox"/>	<input type="checkbox"/>
1.2	Relevant requirements and established procedures for the work are communicated to all personnel and identified for all work sites.	<input type="checkbox"/>	<input type="checkbox"/>
1.3	OHS policies and procedures related to requirements and established procedures for the control of vegetation near live low voltage conductors are obtained and confirmed for the purposes of the work to be performed and communicated.	<input type="checkbox"/>	<input type="checkbox"/>
1.4	Work is prioritised and sequenced following consultation with others for completion within acceptable timeframes and in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.5	Hazards are identified, OHS risks assessed and control measures are prioritised, implemented and monitored including emergency exits kept clear according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.6	Relevant work permits are obtained to access and perform work according to requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.7	Resources including personnel, equipment, tools and personal protective equipment required for the job are obtained and confirmed in working order.	<input type="checkbox"/>	<input type="checkbox"/>
1.8	Relevant personnel at worksite are confirmed current in First Aid, Pole Top Rescue and other related work procedures according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
1.9	Liaison and communication issues with other/authorised personnel, authorities, clients and land owners are resolved to carry out work where necessary.	<input type="checkbox"/>	<input type="checkbox"/>

1.10	Site is prepared according to the work schedule and to minimise risk and damage to property, commerce, and individuals in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.11	Personnel participating in the work, including plant operators and contractors, are fully briefed and respective responsibilities confirmed where applicable in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
1.12	Road signs, barriers and warning devices are positioned in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
<b>2. Carry out vegetation control</b>		<b>Achieved</b>	
		<b>Yes</b>	<b>No</b>
2.1	OHS and sustainable energy principles and practices to reduce the incidents of accidents and minimise waste are monitored and followed in accordance with requirements and/or established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.2	Lifting, climbing, working aloft, and use of power tools/equipment, techniques and practices are safely followed and, currency according to requirements confirmed.	<input type="checkbox"/>	<input type="checkbox"/>
2.3	Essential knowledge and associated skills for the safe control of vegetation near live low voltage conductors are applied to ensure completion in an agreed timeframe and, to quality standards with a minimum of waste according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2.4	Vegetation control is carried out, in accordance with the work schedule and requirements/established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.5	Hazard warnings and safety signs are recognised and hazards and assessed OHS risks are reported to the immediate authorised persons for directions according to established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.6	Unplanned events in vegetation control are undertaken within the scope of established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
2.7	Known solutions to a variety of problems are applied using acquired essential knowledge and associated skills.	<input type="checkbox"/>	<input type="checkbox"/>
2.8	Ongoing checks of quality of the work are undertaken in accordance with instructions and established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
<b>3. Complete vegetation control</b>		<b>Achieved</b>	
		<b>Yes</b>	<b>No</b>
3.1	Work undertaken is checked against works schedule for conformance with requirements and anomalies reported in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
3.2	Accidents and/or injuries are reported in accordance with requirements/established procedures, where applicable.	<input type="checkbox"/>	<input type="checkbox"/>
3.3	Work site is rehabilitated, cleaned up and made safe in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>

<b>3.4</b>	Tools, equipment and any surplus resources and materials are, where appropriate, cleaned, checked and returned to storage in accordance with established procedures.	<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5</b>	Relevant work permit(s) are signed off and, the site is returned to service in accordance with requirements.	<input type="checkbox"/>	<input type="checkbox"/>
<b>3.6</b>	Works completion records, reports, as installed /modified drawing and/or documentation and information are finalised and processed and appropriate personnel notified.	<input type="checkbox"/>	<input type="checkbox"/>

**Supervisor Report Part 2 – Range Validation** (supervisor to complete)

Initial against each performance element below to verify that the candidate has performed each task in the workplace, safely, within acceptable timeframes, and to a standard typically expected in the industry, on the required number of occasions.

Performance Element	Required Number of Occasions	Supervisor Initial
Control vegetation from one (1) of the following: ( <i>indicate</i> ) ( ) Non conductive ladder ( ) EWP ( ) Ground level	2 (for each type indicated)	
Use two (2) of the following methods to control vegetation: ( <i>indicate</i> ) ( ) Hand clearing ( ) Specialised tools and equipment ( ) Machinery assisted clearing ( ) Herbicidal clearing	2 (for each type indicated)	

**Supervisor Declaration**

Being a competent person, I verify that the candidate has performed each task, as indicated in this report, safely, within acceptable timeframes, and to a standard typically expected in the industry.

**Supervisor Name:** \_\_\_\_\_

**Supervisor Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

NOTE: to be considered a 'competent person' you must hold the unit of competency (or equivalent) against which you are reporting.