Issue: 7

Date: 01/04/2017

VS(Chorus)-SWM-004



visionstream

VS(CHORUS)-SWM-004

NZ SHEWMS – v7

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SAFETY, HEALTH AND ENVIRONMENT WORK METHOD STATEMENT

Working at Heights – Hardware install / Cable hauling

Project: (CIRCLE) UFI	B / M&P / NGA	/ BAU / RB	I / OTHE	ER: Proje	ct Office	Address:	 Auckland – P Whangarei – 		, ,	
Project No:		t or Princ	ipal:	CHORU	IS					
Field Manager:			PH:	Safet	y Coordi	nator:			PH:	
SHEWMS Valid From: 01/04/2	/2017	SHEWMS Valid To:	01/04/201	I8 Loca	tion / Are	a of Works			tch 7, 8, 9 tch 10	
SHEWMS Re-Induction (Click appropriate check is		Week	ly 🗆	Monthly 🗌	Quarte	erly 🗹	STRIKE re	port	ing: 027 523 1251	1
TELECOMMUNICATION	NS SAFETY ESSENTIA	ALS: (Check bo	x for thos	se relevant to this wo	rk activity	/)				
1. Confined Spaces	3. Driver Alertn	ess	5.	Excavation Works			g in and around Plant		9. Heavy Lifting	T
2. Working at Heights	4. Working in the Utility Servi		6. \	Working in the Vicinity Vehicular Traffic	of 🗹		g Remote and ed Locations	T	10. Exposure to Asbestos	
 Only a competent per Rep may deem an in All works above 5m at A VPL 'Working at Help of M/EWP (Mobile/Elevation found on a truck most similar protrusions to the If an M/EWP with SPONLY a certified Asbore 	erson may enter insidentividual competent, a are 'Notifiable' to Wolleights' permit must a evated Work Platforms bunted EWP). Hard strain may extend out for PS is not available, a selevant WTC qualifications specialist may be	e the MAD, and and all condition orksafe New Zealso be complete so must have a Stuctures may income the building pecific SHEWMS tions may undenandle, break, reandle, break, r	only if a Cons stipulate land (WSN d, AND ap econdary I lude, but a g edge s must be contake work emove, and	ed in a Close Approach IZ). A minimum 48hrs proved, by a VPL Field Protection (SPS) when	t has bee Consent notice mu Manager working t de any pre VPL FLL m MEWP's os. DO NO	n requested must be foll st be given prior to sta under 'Hard emise or bui nust also act (Mobile Ele OT touch Asl	I and approved by lowed to WSNZ prior to sarting works above Structures', or it reliding, under any contact as spotter during evated Work Platfobestos unless you	starting 25m must haleck ar the operms are cel	ave ground based controls (as eas or balconies, under eaves of peration	

VS-HS-SWP-021 Electrical Work Safe Work Procedure

MANDATORY SITE	PERSONAL	PROTECTIVE EQUIPME	NT (PP	E) REQUIRE	MENTS						
727				3					1		
X		X		Χ	X		X		X		
SPECIFIC ACTIVITY	Y PPF REOU	IRED (fall arrest systems	confi	ned snares	equinment resnir	atory	protection etc	• 1			
TYPE:	I I I L KLQO	inced (iaii arrest systems	s, com	neu spaces	equipinient, respin		ERATOR'S NAM	•			
WORK PERMITS R	FOLIIDED										
			[2]	_	/5					$\overline{}$	
Confined Space Ent	ry	Working at Height		Exca	vation / Drill		Other:				
Live Electrical Work	k 🗌	Hot Work		Environmer	ntal / Land Access		Other:				
		·									
RELEVANT SAFE V	VORKING PR	ROCEDURES (SWP)									
VS-HS-SWP-(VS-HS-SWP-(VS-HS-SWP-(VS-HS-SWP-(004 Remote/Isc 005 Traffic Man 009 Working at 011 Confined S	Ianagement Safe Work Procellated Locations Safe Work Fagement Height Safe Work Procedure Jork Safe Work Procedure	Procedure	e • \ • \	/S-HS-SWP-022 Driv /S-HS-SWP-023 Vici /S-HS-SWP-024 Exc /S-HS-SWP-025 Vici /S-HS-SWP-026 Me	inity of cavatic inity of	Utility Services S ns Safe Work Pro Mobile Plant Saf	Safe Work Procedure ocedure fe Work Procedure			

NOTE: All Power/Hand Tools, Electrical/Motorised/Hydraulic Equipment, Heights Platforms (Ladders/Scaffolds/EWP), or PPE, must be:

Certified as required, compliant with relevant AS/NZ S standards, be 'within test' date, be used in accordance to manufacturer's recommendation's, meets VPL on-boarding requirements, is inspected and registered as specified, and is fit for use

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RISK MATRIX

Task 1: Determine Impact of Event

Impact	Substantial	Major	Moderate	Minor	Negligible
Safety	Class 1 (Fatal Incident) Class 1 (Permanent Injury)		Class 2 (Lost Time Injury)	Class 3 (Minor injury, medical treatment required)	Class 3 (Slight injury, First Aid)
Environment	Permanent widespread ecological damage	Heavy ecological damage, costly restoration	Major but recoverable ecological damage	Limited but medium term damage	Short term damage

Task 2: Determine Probability of Event Occurring

	Almost Certain	Likely	Possible	Unlikely	Rare
Probability	The threat can be expected to occur 75% - 99%	The threat will quite commonly occur 50% - 75%	The threat may occur occasionally 25% - 50%	The threat could infrequently occur 10% - 25%	The threat may occur in exceptional circumstances 0% - 10%

Task 3: Assess Level of Risk Using Matrix (Combine highest impact with probability)

	Impact				
Probability	Negligible	Minor	Moderate	Major	Substantial
Almost Certain	Low (5)	Moderate (10)	Very High (18)	Extreme (23)	Extreme (25)
Likely	Low (4)	Moderate (9)	Very High (17)	Very High (20)	Extreme (24)
Possible	Low (3)	Moderate (8)	High (13)	Very High (19)	Very High (22)
Unlikely	Low (2)	Low (7)	High (12)	High (15)	Very High (21)
Rare	Low (1)	Low (6)	Moderate (11)	High (14)	High (16)

Hierarchy or Preferred Order of Control								
Australia		NZ						
Eliminate	Eliminate the hazard, remove the hazard or process from the workplace.	Eliminate						
Substitute	Substitute or replace the hazard or hazardous work practice with a less hazardous one	Isolate						
Isolate	Isolate the hazard, i.e. installing screen or barriers, marking off hazardous areas							
Engineering Controls	Engineer the hazard out, i.e. modification to tools or equipment, guarding machinery							
Admin Controls	Introducing work practices that reduce the risk, i.e. limiting the amount of time a person is exposed to a particular hazard	Minimise						
Personal Protective Equipment (PPE)	PPE, last and least effective option							

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access to site dr	Travel distance, driver Alertness (Safety Essentials no.3) Driver alertness Work Safe Work Procedure (VS-HS-SWP-022)	Driver fatigue	16	 Scheduling and planning of job tasks for the day is to be completed in a way which minimises travel times and driving Driver to ensure a travel plan discussed/agreed to with relevant person. During normal hours of operation, this may be a staff member's direct manager (or higher). During after-hours operations (for repair/call-out staff), this may be the despatch centre staff. A travel plan would typically include the intended travel route, an ETA, regular rest breaks, and have scheduled check-in times. If a scheduled check-in time is missed then an emergency response plan should be initiated Driver to operate within management guidelines stipulated in Working Hours and Fatigue Safe Work Instruction Driver must be given 24 hours' notice prior to long distance travel for planned works. Long distance would be any trip typically longer than 4 hours in one direction, as this would likely mean a night away from home. A minimum 15min rest period is to be taken every 2 hours Driving in excess of two hours after a full shift must only be undertaken if the driver has had an adequate rest period. Stop at least every 2 hours for a minimum break of 15 minutes Adequate time must be allocated for sleep and rest between shifts and/or each leg of long distance travel. Avoid driving when normally asleep 	Project Manager / Immediate Manager / Supervisor / Operator/s
access to site dr	driver Alertness (Safety Essentials no.3) Driver alertness Work Safe Work	Driver fatigue	16	 briver to ensure a travel plan discussed/agreed to with relevant person. During normal hours of operation, this may be a staff member's direct manager (or higher). During after-hours operations (for repair/call-out staff), this may be the despatch centre staff. A travel plan would typically include the intended travel route, an ETA, regular rest breaks, and have scheduled check-in times. If a scheduled check-in time is missed then an emergency response plan should be initiated Driver to operate within management guidelines stipulated in Working Hours and Fatigue Safe Work Instruction Driver must be given 24 hours' notice prior to long distance travel for planned works. Long distance would be any trip typically longer than 4 hours in one direction, as this would likely mean a night away from home. A minimum 15min rest period is to be taken every 2 hours Driving in excess of two hours after a full shift must only be undertaken if the driver has had an adequate rest period. Stop at least every 2 hours for a minimum break of 15 minutes Adequate time must be allocated for sleep and rest between shifts and/or each leg of long distance 	Immediate Manager / Supervisor /
(Sa	(Safety Essentials no.3) Driver alertness Work Safe Work			 operation, this may be a staff member's direct manager (or higher). During after-hours operations (for repair/call-out staff), this may be the despatch centre staff. A travel plan would typically include the intended travel route, an ETA, regular rest breaks, and have scheduled check-in times. If a scheduled check-in time is missed then an emergency response plan should be initiated Driver to operate within management guidelines stipulated in Working Hours and Fatigue Safe Work Instruction Driver must be given 24 hours' notice prior to long distance travel for planned works. Long distance would be any trip typically longer than 4 hours in one direction, as this would likely mean a night away from home. A minimum 15min rest period is to be taken every 2 hours Driving in excess of two hours after a full shift must only be undertaken if the driver has had an adequate rest period. Stop at least every 2 hours for a minimum break of 15 minutes Adequate time must be allocated for sleep and rest between shifts and/or each leg of long distance 	/ Supervisor /
Driv	Driver alertness Work Safe Work			 (for repair/call-out staff), this may be the despatch centre staff. A travel plan would typically include the intended travel route, an ETA, regular rest breaks, and have scheduled check-in times. If a scheduled check-in time is missed then an emergency response plan should be initiated Driver to operate within management guidelines stipulated in Working Hours and Fatigue Safe Work Instruction Driver must be given 24 hours' notice prior to long distance travel for planned works. Long distance would be any trip typically longer than 4 hours in one direction, as this would likely mean a night away from home. A minimum 15min rest period is to be taken every 2 hours Driving in excess of two hours after a full shift must only be undertaken if the driver has had an adequate rest period. Stop at least every 2 hours for a minimum break of 15 minutes Adequate time must be allocated for sleep and rest between shifts and/or each leg of long distance 	Operator/s
				 Drivers must follow road rules (including speed, drugs, alcohol, mobile phones and other hand held devices) Avoid driving when normally asleep 	
lO: (Sa	Isolated or remote Iocation (Safety Essentials no.8) Remote/Isolated Locations Safe Work Procedure (VS-HS-SWP-004)	Delayed emergency response	16	 Limit time spent or avoid working in isolated or remote location Use of EPIRB may be required (person must be trained in use). This would be at the discretion of the staff member's manager. Generally a travel plan would be acceptable as a safety control. In elevated instances, a 2man team could be implemented. Only in extreme circumstances would an EPIRB be deemed necessary Develop and activate travel plan prior to travel commencing. During normal hours of operation, this may be a staff member's direct manager (or higher). During after-hours operations (for repair/call-out staff), this may be the despatch centre staff. A travel plan would typically include the intended travel route, an ETA, and have scheduled check-in times. If scheduled check-in times are missed then an emergency response plan should be initiated Have an appropriate vehicle for the terrain. Carry adequate supplies (water, fuel, appropriate clothing), and tools/equipment working in a remote/isolated area All persons must be appropriately trained to work in isolation or a remote location including check in procedures, first aid, map reading / navigation, communications, as deemed necessary 	Project Manager / Immediate Manager / Supervisor / Operator/s

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Activity Steps List the sequence of steps needed to do the activity	Potential Hazards Against each step, list the potential safety and environmental hazards that could cause injury or harm (E.g. work at height)	Potential Risk List the potential risk associated with the hazard (E.g. fall from height)	Residual Risk Assess risk level of hazard using risk matrix	Controls For each hazard, identify control measures to eliminate or effectively control associated risks. A combination of above the line and below the line control measures are required for high risks, with an emphasis on above the line controls.	Person Responsible for Control Implementation
	Isolated or remote location	Delayed emergency response	16	 A mobile phone must be carried that is charged, working, and has a signal at all times. If in doubt, access to a landline (in conjunction with an appropriate travel plan) to be utilised. Access to the copper network, or telephone exchanges would be acceptable as a means of communication 	Project Manager / Immediate Manage Supervisor Operator
Task 2					
Set up traffic management	Working in the Vicinity of Vehicular Traffic (Safety Essentials no.6) Traffic Management (VS-HS-SWP-005)	Struck by moving vehicles, vehicle collision, pedestrians safety	21	 Implement the Traffic Management Plan (TMP), which has been developed by an accredited TM provider, complies with CoPTTM regulations/standards, and approved by the local governing body (e.g.: AT - Auckland Transport). All L2 roads must have an approved TMP which will have specific traffic management plans, and pedestrian movement plans. L1 roads may use generic traffic/pedestrian management plans. All equipment and resources to be set-up exactly as per the approved TMP. An assessment of the TMP must be made to ensure that it remains appropriate for the conditions. All staff must be briefed on the TMP prior to works starting Review the adequacy of traffic controls during the course of the work to ensure ongoing effectiveness and communicate changes if required. Use physical barriers where practicable or if a requirement of the approved TMP (e.g. concrete barriers or water-filled barriers) with crash attenuators to separate workers from live traffic. Physical Barriers composition/installation must be CoPTTM compliant Apply signage and barriers that direct members of the public away from or around the work site, as per the approved TMP. Traffic management personnel to wear high visibility clothing that complies with AS/NZ S 4501.1 VPL and CoPTTM standards 	STMS Provider / Supervisor / Operator/s
Task 3					
Accessing aerial structures Use of ladder Use of scaffolding Use of MEWP (Elevated Work Platform)	Working at Heights (Safety Essential no. 2) Working at Height Safe Work Procedure (VS-HS-SWP-009)	Injuries from falls, falling objects, plant roll overs, crush injuries, electrocution	16	Visionstream's Minimum Approach Distances (MAD) must be maintained at all times. The MAD for working in the vicinity of Aerial Low Voltage power is 500mm If working within 4m of overhead conductors, a Close Approach Consent is required. Only a competent person may enter inside the MAD, and only if a Close Approach Consent has been requested and approved by the Utility Owner prior to undertaking works. Only the Utility Owner Rep may deem an individual competent, and all conditions stipulated in a Close Approach Consent must be followed MAD's are based on the ECP (Electrical Code of Practice – Safe working distances) documentation. The guidelines for working safely in the vicinity of power can be found in the SM-EI 1, 2, & 3 released by the EEA (Electricity Engineers' Association). They are the recommended reference documents for NZ electricity. Regardless of the ECP/EEA MAD's – Visionstream MAD's MUST be followed	Supervisor / Operator/s

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Accessing aerial structures • Use of ladder • Use of scaffolding • Use of MEWP (Elevated Work Platform)	Working at Heights (Safety Essential no. 2) Working at Height Safe Work Procedure (VS-HS-SWP-009)	Injuries from falls, falling objects, plant roll overs, crush injuries, electrocution	16	Prior to climbing a Pole, a 'Pre-Climb Pole Inspection' must be carried out. Four step pre-climb process: 1. Visual inspection / 2. Probe test 300mm below ground level / 3. Probe test 300mm above ground level / 4. Hammer test. Do not carry out a push test, if in doubt – DO NOT CLIMB. Contact VPL FLL to arrange a Pole Specialist to assess. The following pole MUST NOT be climbed: Vierendeel #1 poles, Spun poles (round), Yagi poles (antenna), Fibre glass poles, Poles with Power Transformers, and any damaged or condemned poles (Tagged – Caution or Do Not Climb) All works above 5m are 'Notifiable' to Worksafe New Zealand (WSNZ). A minimum 48hrs notice must be given to WSNZ prior to starting works. A VPL 'Working at Heights' permit must also be completed AND approved, by a VPL Field Manager, prior to starting works above 5m ANY work at Heights requires a risk assessment to be completed. This may include: • Assessing the activity risk, identifying and implementing the correct Critical Risk controls • Ensuring the correct equipment is being used for the activity, and in accordance to Visionstream safety standards, industry code of practice, and current legislation • A completed and approved emergency response rescue plan MEWP plant must have a Secondary Protection System (SPS) fitted an operational when working under 'Hard Structures', or it must have ground based controls (as found on a truck mounted EWP). Hard structures may include, but are not limited to: Inside any premise or building, under any deck areas or balconies, under eaves or similar protrusions that may extend out from the building edge • A SPS device automatically shuts the EWP down and reverses the last action. This would happen if the operator accidentally came into contact with a hard structure (from behind) and is forced against the 'collapsible safety bar', triggering the SPS • If a MEWP with an SPS is not immediately available for reactive works, further controls MUST be implemented. This MUST include: • A senior Manager level sign of	Supervisor / Operator/s

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Aerial structures Use of ladder Use of scaffolding Use of MEWP (Elevated Work Platform)	Working at Heights Carrying tools & installing hardware (Safety Essential no. 2) Working at Height Safe Work Procedure (VS-HS-SWP-009)	Injuries from falling objects	16	 Undertake as much of the work activity on the ground, prior to ascending An exclusion zone must be established around the immediate work space (ladder/Scaffold/EWP). A minimum of 2m around the work space is ideal No 'Work at Heights' should be undertaken in adverse weather conditions When working on structures/poles with live power, fire retardant overalls (AS/NZ S Ensure a clear line of ascent/descent No work is to be undertaken above live traffic or pedestrian corridors EWP booms/buckets must never pass above a live traffic or pedestrian corridor when getting into work position or returning to its transporting position All tools should be carried aloft in a tool bag/pouch, which is lifted into position with use of a belay rope A tool belt or body harness/sling may be used to carry tools aloft so long as both hands remain free to ensure 3 points of contact at all times while climbing When working at Heights, all tools should be attached to an appropriate lanyard or secured/tethered to an appropriate anchor point. This may an approved anchor point on a personal body harness, or a fixed anchor point on the scaffold/EWP Mobile scaffolds and EWP baskets must have appropriate toe/kick boards installed 	Supervisor / Operator/s
	Working at Heights from a Ladder (Safety Essential no. 2) Working at Height Safe Work Procedure (VS-HS-SWP-009)	Gravitational fall from height, injuries from falling objects	16	 SPARK and CHORUS assets may not have suitable fit for purpose ladders on site. When working on these sites ensure you have an appropriate heights access system which meets all Asset owner, Visionstream and Legislative safety requirements. The utility owner MAD must always be maintained When working on structures/poles with live power, fire retardant overalls (AS/NZ S 4602.1:2011) are required to be worn (as well as minimum standard PPE Ladder must be AS/NZ S 1892 (Reinforced plastic) Ladders must be fit-for-purpose, industrial strength SWL 150kg, non-metallic, inspected prior to use and in good condition (AS/NZ S 1892-Reinforced plastic), with the relevant AS/NZ S Ladder standards clearly labelled/stickered Check ladder for any evidence of damage prior to mounting each time When working on structures/poles with live power, correct minimum standard PPE must be work which includes fire retardant overalls (AS/NZ S 4602.1:2011) Ladders must be tested and recorded in the Ladder/Rack checklist register An exclusion zone must be establish around the ladder, with signage indicating that heights work is underway ('Linesman', 'Working at Heights', or similar signage) Work from the ground or a solid platform where possible A full body harness attached to a certified anchor point must be used where the potential to fall is two metres or more AS/NZ S 1891 	Supervisor / Operator/s

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	Working at Heights from a Ladder (Safety Essential no. 2) Working at Height Safe Work Procedure (VS-HS-SWP-009)	Gravitational fall from height, injuries from falling objects	16	 Anybody working above 2m must be trained and competent to do so If working up a pole, a pole strap must be used with a full body harness AS/NZ S 1891 No work shall be carried out above the safe working height for ladders, i.e. not above the 3rd rung top from top of ladder The angle of slope from of ladder to the structure must be 1:4 (ladder 1m out from base of structure, for every 4m the ladder extends upwards) Ladders must include a secondary control at the base. This can either be a person securing the base of the ladder, chocking it, or tying off with a 'footer' rope 	Supervisor / Operator/s
	Working at Heights from a Mobile Scaffold (Safety Essential no. 2) Working at Height Safe Work Procedure (VS-HS-SWP-009)	Gravitational fall from height, injuries from falling objects	14	 Works above 5 meters become 'Notifiable Works'. Worksafe NZ (DoL) must be advised of Notifiable Works at least 48hrs prior to works starting All mobile scaffolds must be approved by Visionstream prior to being used on a Visionstream site. Only Fibre Glass Mobile scaffold units are to be used Mobile scaffold must be erected as per manufactures instruction, on stable flat secure ground, with toe/kick boards installed (AS/NZ S:1576) Mobile scaffold is to be tied off to the pole as per Working at Heights Procedure (VS-HS-SWP09). The top of the scaffold must not exceed 5 metres Four stabilizers are required under the feet of the scaffold units to minimise scaffold movement. Pads must be used under scaffold feet when erected on grass/soft ground to prevent sinking A full body harness and lanyard must be worn at all times when accessing/working on the platform. Lanyards may only be connected to anchor points on the scaffold A lanyard must not be hooked back on itself, unless that use is as per manufacturer's instructions Only a tag line may be looped around the wrist or in a sling around the body to carry tools, allowing full use of both hands at all times Scaffolds must not have a canopy attached on or above them that contravenes manufacturers recommendations, or enters inside the MAD at any time The SWL (Safe working load) for the configuration must be available on site Mobile scaffold must be 'within' test dates and certified 	Supervisor / Operator/s
	Working at Heights Roofs - Exposed heights (Safety Essential no. 2)	Gravitational fall from height, injuries from falling objects	14	 Works undertaken within 2m of an unprotected edge require; A full body harness attached to a certified anchor point must be used where the potential to fall is greater than 2m The harness, and lanyard must be AS/NZ S 1891 compliant and 'within test' Lanyards may only be connected to specifically engineered anchor points A lanyard must not be hooked back on itself, unless that use is as per manufacturer's instructions 	Supervisor / Operator/s

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	Working at Heights Roofs - Exposed heights (Safety Essential no. 2) Working at Height Safe Work Procedure (VS-HS-SWP-009)	Gravitational fall from height, injuries from falling objects	14	 Lanyard must be attached to a certified Fixed Anchor Point (FAP) If a FAP is not present, a Temporary Anchor Point (TAP) may be used TAP's must be AS/NZ S 5532 compliant. TAP's may be installed by a competent 'Working at Heights' professionals Staff with the required working at heights WTC's and training could be deemed competent. If in doubt, a certified builder or engineer may install a TAP Access on/off rooflines must be via an approved ladder, or a roofline access hatch or door Ladder must be AS/NZ S 1892 (Reinforced plastic) Ladders must be fit-for-purpose, industrial strength to minimum 150kg, non-metal, inspected prior to use and in good condition Check ladder for any evidence of damage prior to mounting each time Use a tool bucket with rope to be used to lift tools up/down ladder, or in a 'tool pouch' sling that allows both hands to be free at all times. If roof access is via a door, and the work space can be safely traversed and hands are not required to assist in climbing, tools may be carried manually 	Supervisor / Operator/s
	Entering and exiting the EWP basket (Safety Essential no. 7) Vicinity of Mobile Plant Safe Work Procedure (VS-HS-SWP-025)	Entanglement in moving parts of plant	11	 An exclusion zone must be establish around the mobile plant, with signage indicating that heights work is underway ('Linesman', 'Working at Heights', or similar signage) All walking surfaces and steps must be clear of obstructions All walking surfaces and steps must have permanently secured grip mats Face the machine and watch footing Maintain three points of contact when climbing steps, entering and exiting the EWP basket The gap between the EWP platform and the landing area to be as small as possible, but not exceed 300mm. AS/NZ S 2550.10 specifies 100mm, this should be the aim at all times If for any reason the basket needs to be lowered for entry/exit, please check the insulation integrity of the bucket caused by scratches before use If for any reason the basket needs to be lowered for entry/exit, please check the insulation integrity of the bucket caused by scratches before use The gap between the EWP platform and the landing area to be as small as possible, but not exceed 300mm. AS/NZ S 2550.10 specifies 100mm, this should be the aim at all times No personnel are permitted to enter/exit a EWP basket by climbing over the basket wall/railings. If the basket has no gate, access must be via the ground Access and egress does not take place unless a safety harness is properly worn, and connected to an FAP at all times. Use a double lanyard system when entering or exiting the EWP cage at heights above 2m 	Supervisor / Operator/s

Activity Steps List the sequence of steps needed to do the activity	Potential Hazards Against each step, list the potential safety and environmental hazards that could cause injury or harm (E.g. work at height)	Potential Risk List the potential risk associated with the hazard (E.g. fall from height)	Residual Risk Assess risk level of hazard using risk matrix	Controls For each hazard, identify control measures to eliminate or effectively control associated risks. A combination of above the line and below the line control measures are required for high risks, with an emphasis on above the line controls.	Person Responsible for Control Implementation
	Working at Heights Operating a Mobile Elevated Work Platform (M/EWP) in the Vicinity of Utility Services (Safety Essential no. 7) Working at Height Safe Work Procedure (VS-HS-SWP-009)	Entanglement in moving parts of plant, gravitational fall from height, injuries from falling objects	21	Vector MAD's (Minimum Approach Distances) MUST be maintained at all times The MAD for working in the vicinity of Low Voltage power is 500mm Close approach distances must be maintained at all times, with a minimum approach distance of 4 Metres • If working within 4m of overhead power, a Close Approach Consent is required • An exclusion zone must be establish around the M/EWP with signage indicating Heights work is underway ('Linesman', 'Working at Heights', or similar signage) • A competent person must complete the lift risk assessment, determine the safe method to lift, nominate the required equipment and approve the Lift Plan • Cranes/EWP must only be set up on approved suitable ground. A certified geotechnical engineer may be required to assess the ground conditions and advise on appropriate ground protection to ensure suitable support of Plants outriggers • All outriggers are to be packed/supported as per manufacturers' and/ or engineer's recommendations and be protected from traffic/disturbance by physical barriers • Only equipment that is marked with the SWL and designed for the purpose and use on the specific crane will be used (this includes the use of extensions such as fly jibs and other extension) • All rigging equipment e.g. slings, chains, spreader bars and the like are to be inspected, tagged and certified for use by a competent person prior to use • When working on structures/poles with live power, fire retardant overalls (AS/NZ S 4602.1:2011) are required to be worn (as well as minimum standard PPE) • Plant must be inspected by a competent person prior to use using the VPL M/EWP Checklist • A M/EWP must be used and maintained in accordance with AS/NZ S2550 requirements, manufactures' instructions and specifications or approved design document • M/EWP's must be operated and maintained by competent personnel • Set up an exclusion zone around the M/EWP • Full body harness and lanyard must be worn at all times • Operator must always keep both feet in the M/EWP • Works above 5 meters become 'Notifiab	Supervisor / Operator/s

Activity Steps List the sequence of steps needed to do the activity	Potential Hazards Against each step, list the potential safety and environmental hazards that could cause injury or harm (E.g. work at height)	Potential Risk List the potential risk associated with the hazard (E.g. fall from height)	Residual Risk Assess risk level of hazard using risk matrix	Controls For each hazard, identify control measures to eliminate or effectively control associated risks. A combination of above the line and below the line control measures are required for high risks, with an emphasis on above the line controls.	Person Responsible for Control Implementation
Task 4					
Working at Heights Hardware install Cable Hauling	Working in and around Mobile Plant (Safety Essential no. 7) Vicinity of Mobile Plant Safe Work Procedure (VS-HS-SWP-025)	Plant rollover, struck by moving plant	21	 M/EWP's MUST be certified by a Registered and appropriate Engineer. The Plant must be 'stickered' appropriately with the Engineers registration number If the EWP has been hired, it must be hired from a reputable Hire Company. The Hire Company must have a comprehensive maintenance program, and the Plant hired must be Certified and fit for purpose Use physical (solid barriers) to separate mobile plant from workers, members of the public, buildings or structures, or other mobile plant and vehicle An exclusion zone must be barriers, not building faces, private fences, hedges etc. Establish exclusion zone and implement the Authority to Enter procedure (to be implemented by crew managing the plant(s) and covered in pre-start) Where separation is not possible delineation and exclusion zones must be established Prepare a Vehicle Movement Plan for movement of mobile plant and implement. Mobile plant movements must be managed by a reliable means of positive communication (e.g. two way radio) Engineering detection systems are to be implemented where practical An authority to work procedure in conjunction with increased supervision is required Plant should be set/chocked so it cannot creep backwards while in operation Load shifting and earth moving plant must be fitted with ROPS / FOPS Plant should be fitted with guarding around rotating or moving parts Wearing of seat belts is mandatory Plant must have been risk assessed and approved prior to entry to site Staff and operators must be trained and verified competent to operate plant A competent person should complete daily pre-checks on all mobile plant to ensure plant is in good working condition and fit-for-purpose. Plant must locked-out / tagged if found defective Plant must have working warning devices fitted (Beepers, lights and flashing lights) Workers, Spotters and Plant Operators to maintain eye contact when working	Supervisor / Operator/s
				until that vehicle is isolated (isolated means stopped, turned off, vacated and keys removed from the ignition).	

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Activity Steps List the sequence of steps needed to do the activity	Potential Hazards Against each step, list the potential safety and environmental hazards that could cause injury or harm (E.g. work at height)	Potential Risk List the potential risk associated with the hazard (E.g. fall from height)	Residual Risk Assess risk level of hazard using risk matrix	Controls For each hazard, identify control measures to eliminate or effectively control associated risks. A combination of above the line and below the line control measures are required for high risks, with an emphasis on above the line controls.	Person Responsible for Control Implementation
Working at Heights Hardware install Cable Hauling	Working in and around Mobile Plant (Safety Essential no. 7) Vicinity of Mobile Plant Safe Work Procedure (VS-HS-SWP-025)	Plant rollover, struck by moving plant	21	 Vehicles must not be left unattended with keys still in ignition and/or with ignition still on. Any vehicle that is not 'isolated' must have the driver / operator in the vehicle with seat belt firmly fastened prior to engine being switched on and then the vehicle being moved Positive communication must be maintained which can include, but is not limited to, two way radio Load and unload plant on solid even ground and secure with wheel chocks and or hand brakes Staff must clearly communicate with plant operator when they are attaching adjusting or removing lifting equipment 	Supervisor / Operator/s
Manual Lifting	Heavy Lifting Crane Hoist Gantry (Safety Essentials no.9)	Plant rollover, struck by moving plant, injuries from falling objects	16	 MANUAL- Ensure you maintain a straight back, while bending at the knees when lifting heavy object. See the VPL 'Manual Handling' SWI for correct lifting technique ONLY lift items that are well within your physical capabilities. If in doubt of your capability to safely lift an object, them undertake as a two person lift A two person lift is required for any load over 20kg Clear communication is required before and during any two person lifts If a two person lift is not possible, a mechanical aid may be required. If a mechanical aid is not possible, an alternative methodology will be required 	Supervisor / Operator/s
Mechanically Assisted Lifts	Heavy Lifting Crane Hoist Gantry (Safety Essentials no.9)	Plant rollover, struck by moving plant, injuries from falling objects	16	 MECHANICAL - An Excavator is not an acceptable means of lifting, unless the SWL of the machine and the related manufacturer's documents can be provided. These MUST be on site. Chains, strops, and lifting points must ALL be certified with a SWL All mechanical plant used for lifting purposes must be assessed by VPL prior to being used. It must also have the necessary legislative certifications (COF etc) The Plant used must be designed for the purpose of lifting, and clearly display the SWL (Safe Working Load) All heavy lifts (all lifts above 75% of the SWL) must be risk assessed, with a documented lift plan developed and implemented Only a competent person may complete a lift risk assessment, determine the safe methodology, nominate the appropriate equipment, and approve the lift plan Lifting plant must be set-up safely on suitable firm stable ground, with out-riggers correctly deployed if they are present on plant. A certified engineer must assess the ground conditions and advise on appropriate ground protection to ensure suitable support All rigging equipment (slings, chains, spreader bars) must be inspected prior to use and deemed fit for purpose, have the SWL clearly displayed, and be within test date 	Supervisor / Operator/s

Activity Steps List the sequence of steps needed to do the activity	Potential Hazards Against each step, list the potential safety and environmental hazards that could cause injury or harm (E.g. work at height)	Potential Risk List the potential risk associated with the hazard (E.g. fall from height)	Residual Risk Assess risk level of hazard using risk matrix	Controls For each hazard, identify control measures to eliminate or effectively control associated risks. A combination of above the line and below the line control measures are required for high risks, with an emphasis on above the line controls.	Person Responsible for Control Implementation
Mechanically Assisted Lifts	Heavy Lifting Crane Hoist Gantry (Safety Essentials no.9)	Plant rollover, struck by moving plant, injuries from falling objects	16	 An exclusion zone must be set-up prior to lifting to ensure no persons are struck by a load should the lift fail in any way A dog-man with a dog-line may be utilised to stabilise a load and may be inside the exclusion zone, but they must remain outside the fall/swing path of the load should the lift fail in any way Prior to a heavy or complex lift, a competent person must check all safety devices are operational, and all equipment being used is operating within its SWL Only a suitably qualified and competent person may operate the Plant undertaking the lift All load lift points must be designed to carry the load, and or engineer certified 	

LABOUR RESOURCES REQUIRED			
TYPE	QUALIFICATIONS & TRAINING		
WTC 1	Underground Network (with Confrined Spaces), ECP34 & SM-EI		
WTC 1a	Underground Network (without Confined Spaces) ECP34 & SM-EI		
WTC 2	Operating M/EWP		
WTC 3	Overhead Network, ECP34 & SM-EI		
WTC 4	Confined Spaces only		
WTC 5	Working at Heights (Proprietary fall arrest training – Riggers only)		

RELEVANT LEGISLATION AND STATUTORY REG	QUIREMENTS: Regulations	Code of Practice
Health and Safety at Work Act 2015	Health and Safety in Employment Regulations 2015	Code of Fractice
Resource Management Act 1991	Latest reprint: 3 rd March, 2015	
New Zealand Transport Agency (NZTA)	Latest version: 4 th Addition, 1 st February, 2015	СоРТТМ
RELEVANT AS/NZ S (Australia / New Zealand Saf		
 AS/NZS 4501.2: 2006 Occupational protective clothing - General requirements AS/NZS 4501.1:2008 Occupational protective clothing - Guidelines on the selection, use, care and maintenance of protective clothing AS/NZS 2161.2: 2005 Occupational protective gloves - General requirements AS/NZS 2210.1: 2010 Occupational protective footwear - Guide to selection, care and use AS/NZS 4399:1996 Sun protective clothing - Evaluation and classification (Amendment 1-1998) AS/NZS 2397:1993 Guide to safe use of lasers in the building and construction industry AS/NZS Standards AS/NZS 1891.4:2009 - Industrial fall arrest systems and devices 	 AS/NZS 1270: 2002 Acoustics - Hearing protectors AS/NZS 1715: 2009 Selection, use and maintenance of respiratory protective devices AS/NZS 1716: 2012 Respiratory protective devices AS/NZS 1891.4:.2009 Industrial fall-arrest systems and devices - Selection, use and maintenance AS/NZS 4836:2011 Safe working on or near low voltage electrical installations and equipment AS/NZS 4602: 2011 High visibility safety garments AS/NZ S 1892.1.1996 Portable ladder - Metal AS/NZ S 1892.2.1996 Portable ladders - Timber AS/NZ S 1892.3.1996 Portable ladders - Reinforced plastic AS/NZS IEC 60825.14:2011 Safety of laser products - A user's guide 	 AS/NZS 1336:1997 Recommended practices for occupational eye protection (Amendment 1-1997) AS/NZS 1337:1992 Eye Protectors for Industrial Applications AS/NZS 1337:1: 2010 Eye and face protectors for industrial applications (Amendment 1-2012) AS/NZS 1338.1: 2012 Filters for eye protectors - Filters for protection against radiation generated in welding and allied operations AS/NZS 1800: 1998 Occupational protective helmets - Selection, care and use AS/NZS 1269.3: 2005 Occupational noise management - Hearing protector program

*For further information related to the relevant legislation and statutory requirements refer to VS-HS-REG-001 SHE Related Legislation Register.

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SHEWMS INDUCTION RECORD

Name	Company	Signature	Date	Inductor	Initials

Please note: All personnel on site are to be inducted into this SHEWMS prior to carrying out the activity. By signing, it indicates you have read, understand and will follow its contents to the best of your ability.

In addition, the Telco Take 5 Booklet (or equivalent) is to be completed daily by each individual and any new identified hazards or changes to the task or work conditions are to be managed through this process initially and the impact of these hazards / changes assessed to identify possible changes to the SHEWMS. Any hazards / changes shall be immediately brought to the attention of any persons who may be potentially exposed to these hazards / changes.

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SHEWMS RE-INDUCTION RECORD

Name	Date	Initials												

Please note: A person must first be inducted into this SHEWMS and sign the SHEWMS induction Record on the previous page before being able to re-review the SHEWMS using the SHEWMS Re-induction Record. A SHEWMS must be formally reviewed & updated (where required) whenever:

- a significant change to the activity is identified
- an incident occurs relating to the activity
- a significant hazard is identified relating to the activity that is not already covered in the SHEWMS and Take 5
- periodically as required and stipulated on Page 1

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