## **ATWS Worksite Protection for Kingswood condition and** monitoring equipment maintenance



| DOCUMENT NO.   | D2021/29418  |
|--|--|
| WORK DESCRIPTION   | Routine Maintenance activities - Condition monitoring equipment maintenance  |
| WPP Number   | CMO1BWS 10178  |
| SCOPE:   | <ul> <li>Routine maintenance activities performed by Condition Monitoring Operations team.</li> <li>On the Up Main and Down Main lines between 51.791 km to 51.926 km</li> <li>That does not involve the use of tools or equipment, or</li> <li>Using tools which can be easily and immediately removed from the track by one person and are light, non-powered hand tools, or light battery powered tools or devices.</li> </ul>  |
| AUTHORISATIONS:  | Protection Officer, ATWS Operator (Operator) & ATWS Installer (Installer):  Protection Officer (PO) Level 1 – 4, and  WATWS – Wireless Automatic Track Warning System  |
| PERSONAL PROTECTIVE EQUIPMENT                                | High visibility vest, boots, high visibility lookout sleeve  |
| SAFETY CONTROLS –<br>Lookout Working<br>(ATWS) arrangements: | <ul> <li>Automatic Track Warning System (ATWS) - provides visual and audible warning for workers</li> <li>Installed ATWS sensors for Down direction running on the Down Main line at 51.125 km</li> <li>Installed ATWS sensors for Up direction running on the on Up Main line at 52.945 km IMORTANT!</li> <li>This document must not be used to install or adjust the ATWS sensors</li> <li>All sensors in the plan and shown on the diagram must be connected to transmit a warning</li> </ul> |
| PRESTART REQUIREMENTS:                                       | Refer to D2015-45354 Wireless ATWS (Automatic Track Warning System) to install or remove sensors   |
| FURTHER INFORMATION:   | Refer to "D2015-45354 Wireless ATWS (Automatic Track Warning System)" for detailed instructions to set-up, connect, test and operate the ATWS system with pre-installed ATWS sensors   |

|                       | Required ATWS Equipment                      |          |
|-----------------------|--|----------|
| Item                  | Description                                  | Quantity |
| Aerial                | Telescopic Aerial                            | 3        |
| Assembly Kit          | Orange Bag with Tools                        | 1        |
| Battery ZA24-2.9      | Small battery for Junction Box & Transmitter | 4        |
| Device Frame          | Protective Frame                             | 3        |
| F500-AB Junction Box  | Receiver Device                              | 2        |
| F500-SEN Train Sensor | Sensor                                       | 2        |
| Housing for Aerial    | Housing for Telescopic Aerial                | 3        |
| KF5-5 Extension Cable | Extension Cable (5m) for F500-SEN to F500-AB | 0        |
| Mobile Backpack       | Harness for Device                           | 0        |
| Pouch                 | Pouch for small battery                      | 2        |
| Tripod                | Tripod for Device                            | 3        |
| ZFS Radio Transmitter | Radio Transmitter Device                     | 2        |
| ZPW Warning Unit      | Control & Warning Device                     | 1        |

### **ATWS Worksite Protection for Kingswood condition and** monitoring equipment maintenance



| Protection Officer/Operator assessment checklist             |  |                     |  |  |  |  |
|--|--|---------------------|--|--|--|--|
| Protection Officer's name:                                   | Yes<br>(Tick if Yes)                       |                     |  |  |  |  |
| This document has not expired 12 months                      |  |                     |  |  |  |  |
| SWI details and protection arrangements location, including: | have been reviewed and validated for the   | assessed worksite   |  |  |  |  |
| <ul> <li>On-site safety assessment has be</li> </ul>         | peen completed for relevancy of works bein | g undertaken        |  |  |  |  |
| The required protection details, 6 SWI                       | environment and tasks are unchanged from   | the details of this |  |  |  |  |
| <ul> <li>All boxes have been ticked if app</li> </ul>        | olicable and crossed if not applicable     |                     |  |  |  |  |
| All fields have been completed                               |  |                     |  |  |  |  |
| Corridor Safety Number                                       | Protection Officer Signature               | Date                |  |  |  |  |
|  |  |                     |  |  |  |  |



If an above item does not apply, the Protection Officer must not use this Safe Work Instruction. A new worksite protection plan must be completed in accordance with NRF 014 Worksite Protection Pre-work briefing and NRF 015 Worksite Protection Plan.

## **ATWS Worksite Protection for Kingswood condition and** monitoring equipment maintenance



| <b>Norksite Protection</b>   | Pre-work E                                 | 3riefing   | 9  |   |  |                                      |   |  |  |  |   |  |         |                                       |
|--|--|--|--|---|--|--------------------------------------|---|--|--|--|---|--|---------|---------------------------------------|
|  |  |  |  |   |  |                                      |   |  | Brief  | fing da  | ate:  |  | /       | 1                                     |
| Protection Officer deta  | ails                                       |  |  |   |  |                                      |   |  | _  |  |   |  |         |                                       |
|  | nan  | ne   |  |   |  |                                      | sign  | ature                                      |  |  |   |  |         | contact No.                           |
| Work location:   |  |  |  |   |  |                                      |   |  |  |  |   |  |         |                                       |
| Scope of work:   |  |  |  |   |  |                                      |   |  |  |  |   |  |         |                                       |
| Worksite protection:   | Lookout Wo                                 | rking u  | ısing (A   | ATWS)   |  |                                      |   |  | Refer  | to Wo  | rksite  | Protect                                | ion Pla | n for details                         |
| Hazards (e.g. Site spec<br>hazards identified, inclu-<br>physical environment, h<br>errors, plant and equipm | iding C<br>numan pi                        | ontrols (  |  | plemente  | d to el  | iminate                              | e or redu   | ce the                                     | risk to  | o the lo   | owest   |  | re      | erson<br>esponsible for<br>ontrol     |
| Crossing live lines  | A  | iake a s   | afety as   | ction Off<br>ssessme<br>orkers w  | nt to d  | cross I                              | ive line  | s in a                                     | ccord  | ance   | with 1  | NGE20                                  |         | Qualified<br>PO/ACS                   |
| Accessing Danger 2 conduct plate test  |  |  |  | safety m  |  |                                      | validat   | ed by                                      | a PC   | ). Refe  | er to d   | diagran                                | n       | Qualified PO                          |
| Electricity  |  | TWS an   | ntennae  | not to e  | ncroa  | ch saf                               | e appro   | ach d                                      | listan   | ce to  | overh   | ead                                    |         | Operator                              |
| Slips, trips, falls car<br>ATWS equipment  | rrying U                                   | se corre   |  | ual hand<br>rk area a   |  |                                      |   |  | safety   | y boot   | s, cle  | ar                                     |         | All                                   |
| Approaching rail tra   | d A (s C C C C C C C C C C C C C C C C C C | agram. Il points sensors) onfirm v peration Jorkers i rovide A afe place fter the v affic bet esume.   | of entry<br>) have b<br>with the<br>val.<br>immedia<br>ALL CLE<br>e.<br>warning<br>ween th | y using a<br>y have been insta<br>Operato<br>ately mo<br>EAR hand<br>g has been<br>ne senso | een valled.  or that  ve to  dsignate  en cal  ors and | alidate the A the de al afte ncelled | ed and A<br>TWS hatesignate<br>r worked, confires | ATWS as bee ed safe ers and erm the e befo | S safe<br>en tes<br>e plac<br>d equ<br>ere is<br>re allo | ety me<br>sted and<br>ce whe<br>iipmer<br>no ap<br>owing | easure<br>nd is<br>en wa<br>nt are<br>proac<br>work | es<br>arned.<br>in a<br>ching ra<br>to | ail     |                                       |
| Ineffective ATWS wa<br>/ Adjoining / surrous<br>worksites  | arnings<br>nding                           | nvironm<br>xplain th<br>/orkers t<br>/orkers t   | ent.<br>ne emer<br>to be wi<br>to rema   | rgency within 50m<br>ithin 50m<br>in within<br>used ne                                      | arning<br>of was                                       | gs.<br>arning<br>and h               | device  |  |  | •  |   |  |         | PO                                    |
| Train warning time I<br>than expected (stop<br>points or ATWS equ<br>fault)                                  | longer Coping so                           | orkers torrectly. ontact the contact the contact and contact the contact and c | to rema<br>he Sign<br>and the<br>stoppin   | in in a sa<br>aller or v<br>worksite<br>g points:<br>o signal                               | afe pla<br>/isuall<br>:<br>: Up -                      | ace ur<br>ly conf<br>- Kings         | irm the   | line is                                    | s clea   | ar betw<br>form 1  | veen<br>, 32.6                                      | the<br>3 auto                          |         | PO                                    |
| Adjacent live lines  |  |  |  | e tracks  |  |                                      |   |  |  |  |   |  |         | PO                                    |
| Second train warnin cancelled in error   | ng tr<br>T                                 | affic has<br>ell the P   | s comple<br>O and v  | n membe<br>etely pas<br>workers<br>ming afte  | ssed t<br>about  | the wo                               | rksite.<br>econd t                                | rain w                                     | arnin/   | ıg.  |   |  |         | Operator /<br>ominated team<br>member |
| Distraction  |  |  |  | on from F   |  |                                      |   |  |  |  |   |  |         | All                                   |
| Obstructions to safe   | _  |  | -  | o reach   | desig  | nated                                | safe pla  | aces f                                     | rom t  | he wo  | rksite  | ÷                                      |         | РО                                    |
| Electrical storms  |  | top work   | k immed  | diatelv   |  |                                      |   |  |  |  |   |  |         | All                                   |

**Electrical storms** 

## **ATWS Worksite Protection for Kingswood condition and** monitoring equipment maintenance



| Hazards (e.g. Site specific hazards identified, including physical environment, human errors, plant and equipment) | Controls (to be implemented to eliminate or reduce the risk to the lowest practicable level) | Person<br>responsible for<br>Control |
|--|--|--------------------------------------|
|  |  |                                      |
|  |  |                                      |
|  |  |                                      |
|  |  |                                      |
|  |  |                                      |
|  |  |                                      |
|  |  |                                      |
|  |  |                                      |
|  |  |                                      |
|  |  |                                      |
|  |  |                                      |
|  |  |                                      |

# **ATWS Worksite Protection for Kingswood condition and**



| m                    | onitoring equip                                     | ment maintenance  |  |   |  |
|----------------------|---|---|--|---|--|
| Vork                 | place Supervisor details                            |   |  |   |  |
|                      |   | name  |  |   | contact N  |
| Eme                  | ergency assembly point:                             |   | SWMS/SW  | 'I Ref #:   |  |
|                      | aid kit   |   | First aider:                                       |   |  |
| Nork                 | place Supervisor ack                                | nowledgement  |  |   |  |
| The V                |   | es that all identified WHS and rail safety l  | nazards have th                                    | e Yes □   | signatur   |
| Parti                | cipant Acknowledgem                                 | ent   |  |   |  |
| NO                   | TE: Recipients of the briefing are t                | to question the Briefer if they don't unders  | stand any part of                                  | this briefing.  |  |
| All ν                | workers listed below acknowledge                    | that they:  |  |   |  |
| 1.<br>2.<br>3.<br>4. | licence and/or induction record                     | Rail Safety Worker Authorisation, trade e.g. Construction Industry Induction                                  | 7. have be<br>8. underst<br>9. have be<br>the fina | een shown the Wor<br>and the kinds and l<br>een briefed about a | contents of the Worksite Protection Plan<br>ksite Protection Plan diagram<br>limits of worksite protection in place<br>ny new hazards and controls identified during<br>al site inspection must be conducted immediately |
| 5.                   | •             | onal Protective Equipment (PPE)   |  | Similarioning Work)   |  |
| Man                  | k each check box below with a tick 🗹 i              | if the item applies or a cross 🗷 if the item does   | not apply.   |   |  |
|                      | required) have been briefed on the SWMS for the job | rements of the electrical permit (if S/SWIs/documented safe work practice trols recorded in this document and | have be  | een briefed on Safe   | any hazardous materials/substances on site ty Data Sheets (SDS)  NHS Management plan nazards of adjoining worksites/processes.   |
|                      | SWMS/SWIs   |   |  |   |  |
| Nar                  | ne  | Signature   | Time of brie<br>hh:mm                              | fing:   | Amendment briefing: hh:mm and initial  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |
|                      |   |   |  |   |  |

# ATWS Worksite Protection for Kingswood condition and monitoring equipment maintenance



|  | name   |   |   | Penrith Pane                               | eı  |   | 4/8        | 30 3824  |
|--|--|---|---|--|---|---|------------|----------|
|  | name   |   | ,   | St Marys Pan                               | el  |   | 98         | 51 7209  |
| otection Officer de  | etails   |   |   |  |   |   |            |          |
|  | name   |   |   | signatur                                   |   |   | con        | tact No  |
|  | RSW or RIW No.   |   |   | designatio                                 | on Pla  | nned duration   |            |          |
| Workplace Superviso  |  |   |   |  |   |   |            |          |
| Гуре of work: Rou  | utine Maintenance A  | ctivities                                     |   |  |   |   |            |          |
| Worksite locatio   | on   |   |   |  |   |   |            |          |
| On the   |  |   | Up Mair   | n line                                     |   |   |            |          |
| between  | 32.0 Auto Signa  | al  | and   | i  | 32.6  | 6 Auto Signal   |            |          |
| On the   |  |   | Down Ma   | in line                                    |   |   |            |          |
|  |  |   |   |  |   |   |            |          |
| between  | 32.1 Auto Sign   | al  | and   | i  | 32.5  | 5 Auto Signal   |            |          |
| orksite Assessm  | -  |   |   |  |   | 5 Auto Signal   |            |          |
| orksite Assessm<br>as the Lookout Wo   | nent<br>orking Prohibited Lo   |   |   |  |   | 5 Auto Signal   |            |          |
| orksite Assessm<br>as the Lookout Wo   | nent<br>orking Prohibited Lo   | ocations Re                                   |   |  |   | 5 Auto Signal   |            |          |
| orksite Assessm<br>as the Lookout Wo   | nent<br>orking Prohibited Lo   | ocations Re                                   |   |  |   | 5 Auto Signal   |            | <u> </u> |
| orksite Assessmas the Lookout Wo   | nent  prking Prohibited Lo  ime Calculations                             | ocations Re                                   |   | consulted?                                 |   | 1   | 945 km     |          |
| Vorksite Assessmas the Lookout Wovarning method  Inimum Warning Ti  Maximum track speed  Number of ATWS Sens   | ime Calculations  115 km/h  sors used  3 sec + 10 sec                    | ATWS  1/2  = Minimum                          | Position of A Sensors                                 | consulted?                                 | Yes □ 51.125 km                               | and 52.   | es Up Mair |          |
| Vorksite Assessmas the Lookout Wolfarning method  Varning method   | ime Calculations  115 km/h  sors used  3 sec                             | ATWS  | Position of A Sensors  n Warning ne vt)               | consulted?                                 | Yes □<br>51.125 km                            | and 52.  639 metre 639 metre  639 metre                             | es Up Mair |          |
| Vorksite Assessmas the Lookout Wolfarning method  Varning method   | ime Calculations  115 km/h  sors used  3 sec  + 10 sec   10 sec   10 sec | ATWS  1/2  = Minimum Tin (MW                  | Position of A Sensors  n Warning ne vt)               | consulted?                                 | Yes □  51.125 km  115 km/h  115 km/h          | 639 metre   | es Up Mair |          |
| Vorksite Assessmas the Lookout Wovarning method  Inimum Warning Ti  Maximum track speed  Number of ATWS Sens  7 sec +  | ime Calculations  115 km/h  sors used  3 sec                             | ATWS  1 / 2  = Minimum Tin (MW (S+M+10 se     | Position of A Sensors  N Warning Ne 2  VT)  ec = MWT) | consulted?  TWS  20 sec  7 Track           | Yes □  51.125 km  115 km/h  115 km/h  k speed | and 52.  639 metre 639 metre Minimum Sightin Distance as calculated | es Up Mair |          |
| Vorksite Assessmas the Lookout Wovarning method  Inimum Warning Ti  Maximum track speed  Number of ATWS Sens  7 sec +  | ime Calculations  115 km/h  sors used  3 sec                             | ATWS  1 / 2  = Minimum Tin (MW (S+M+10 se     | Position of A Sensors  N Warning Ne 2  VT)  ec = MWT) | consulted?  TWS  20 sec  7 Track           | Yes □  51.125 km  115 km/h  115 km/h  k speed | and 52.  639 metre 639 metre Minimum Sightin Distance as calculated | es Up Mair |          |
| Vorksite Assessmas the Lookout Wolfarning method  Varning meth | ime Calculations  115 km/h  sors used  3 sec                             | ATWS  ATWS  1/2  = Minimum Tin (MW (S+M+10 se | Position of A Sensors  Warning ne VT)  EC = MWT)      | consulted?  TWS 20 sec 77ack  or, Lookouts | Yes □  51.125 km  115 km/h  115 km/h  k speed | and 52.  639 metre 639 metre Minimum Sightin Distance as calculated | es Up Mair |          |

# ATWS Worksite Protection for Kingswood condition and monitoring equipment maintenance



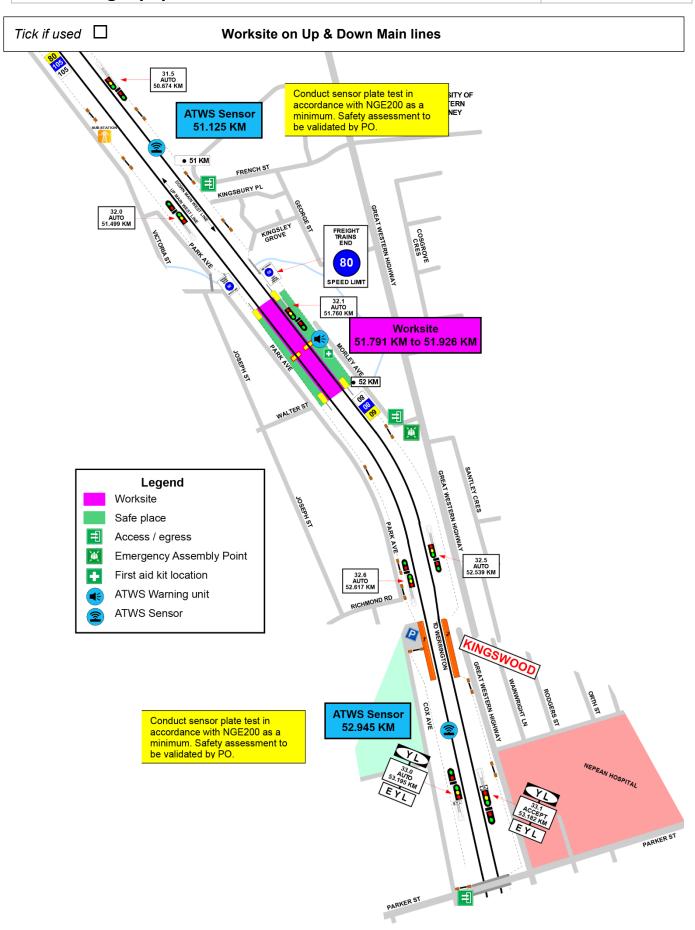
**ATWS Check-sheet** 

| Planning  |
|---|
| 1. How will the installed location of sensor(s) be verified?  The PO will have direct line of sight to the sensor from the worksite location  The installer will travel from the sensor location to the worksite location on the same side of track  The ID no. of the first train will be verified between he operator and installer  Train ID # observed:  Verified by installer: |
| Testing   |
| 2. Record evidence of mandatory First Trains Tests:  a. Record Train ID # or type of train observed for all sensors:  b. Confirm mandatory first train tests are complete for all sensors installed  (tick to confirm)  Pre-work Briefing   |
| 3. Identify potential stopping points affecting warning times: Record any potential stopping points e.g. (stations or signals) between the sensor(s) and worksite which could cause variable warning times:   |
| Up – Kingswood platform 1, 32.6 auto signal<br>Down – 32.1 auto signal  |

Note: Factors affecting warning times should be highlighted to staff during the pre-work brief

### **ATWS Worksite Protection for Kingswood condition and** monitoring equipment maintenance





## ATWS Worksite Protection for Kingswood condition and monitoring equipment maintenance



Tick if used □ Worksite on Up Main line UNIVERSITY OF WESTERN SYDNEY O'CONNELL ST KINGSBURY PL Worksite 51.791 KM to 51.926 KM ®<sub>2</sub> P<sub>2</sub> ■ 52 KM Legend Worksite Safe place Access / egress **Emergency Assembly Point** First aid kit location ATWS Warning unit ATWS Sensor Conduct sensor plate test in accordance with NGE200 as a minimum. Safety assessment to be validated by PO. **ATWS Sensor** 52.945 KM

## ATWS Worksite Protection for Kingswood condition and monitoring equipment maintenance



Tick if used □ Worksite on Down Main line Conduct sensor plate test in accordance with NGE200 as a minimum. Safety assessment to be validated by PO. SITY OF ERN NEY **ATWS Sensor** 51.125 KM • 51 KM = KINGSBURY PL 32.1 AUTO 1.760 KM Worksite 51.791 KM to 51.926 KM Legend Worksite Safe place Access / egress **Emergency Assembly Point** First aid kit location ATWS Warning unit ATWS Sensor

### **ATWS Worksite Protection for Kingswood condition and** monitoring equipment maintenance



| INSTRUCTIONS: | <ol> <li>Workers enter the rail corridor via access gate W00 52.283 U.</li> <li>Use assets to validate worksite location on Up Main and Down Main lines between 51.791 km to 51.926 km</li> <li>Conduct WP Pre-work briefing to set-up ATWS.</li> <li>Tell Signaller at Penrith Panel about the use of lookout working with ATWS if applicable.</li> <li>Tell Signaller at St Marys Panel about the use of lookout working with ATWS if applicable.</li> <li>Access Up Cess 52.945 km, verify sensor label &amp; connect to sensor cable, calibrate with test plate,</li> </ol>  |
|---------------|--|
| Tick if used  | <ol> <li>Access Dn Cess 51.125 km, verify sensor label, connect to sensor cable, calibrate with test plate, connect and turn on transmitter.</li> </ol>  |
|               | <ol> <li>Place warning system on same side of tracks if working on one track only within sight &amp; hearing of workers, conduct siren &amp; light self test, &amp; connect to transmitter(s).</li> <li>Record first rail traffic movement test for each sensor on ATWS Check-sheet.</li> <li>Conduct WP Pre-work briefing for lookout working with ATWS and confirm workers have seen and heard the warning.</li> <li>Start work when advised by the PO, and move to the designated safe place when warned.</li> <li>When work is complete, and workers and equipment are in a safe place, turn off and pack up warning unit</li> </ol> |
| Tick if used  | 13. Access <b>Up Cess</b> to turn off and pack up transmitter unit(s).   |
| Tick if used  | <ol> <li>Access Dn Cess to turn off and pack up transmitter unit(s).</li> <li>Access Up Cess for all workers to leave the rail corridor via access gate W00 52.283 U.</li> <li>Tell Signaller at Penrith Panel when work is completed and the workers and their equipment are clear of the Danger Zone if applicable.</li> <li>Tell Signaller at St Marys Panel when work is completed and the workers and their equipment are clear of the Danger Zone if applicable.</li> </ol>  |

#### Tick if used Position of ATWS transmitter and sensor on Up Main line at 53.945 KM







Image 2: Sensor and transmitter installation location

Position of ATWS transmitter and sensor on Down Main line at 51.125 KM Tick if used



Image 1: Access Gate location W00 51.306 U



Image 2: Access gate to sensor location

# ATWS Worksite Protection for Kingswood condition and monitoring equipment maintenance



**Protection Officer's diary** 

| TOLECTION | Officer 3 C | iai y |
|-----------|-------------|-------|
| Date      | Time        | Notes |
|           |             |       |
|           |             |       |
|           | -           |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |
|           |             |       |

## **ATWS Worksite Protection for Kingswood condition and** monitoring equipment maintenance



(This page is optional and may be separated and given to the assigned operator to assist set- up of ATWS equipment. Refer also to Refer to "D2015-45354 Wireless ATWS (Automatic Trak Warning System)" for detailed instructions.)

|      | Setup Stage 1: Checklist for ATWS transmitter and sensor                    |                 |
|------|---|-----------------|
| Step | Task Description  | Installer Check |
| 1    | Verify Track Label for location of sensor as per the Protection Diagram and |                 |
|      | Photos in this document   |                 |
| 2    | Confirm equipment is within inspection date                                 |                 |
| 3    | Sensor direction is per Worksite Protection Diagram and photos in this      |                 |
|      | document  |                 |
| 4    | Connect sensor cable to junction box  |                 |
| 5    | Confirm all batteries are fully charged                                     |                 |
| 6    | Connect junction box to ZFS using channel T1-T4                             |                 |
| 7    | Commence calibration and automatic self- test                               |                 |
| 8    | Perform function test using test plate                                      |                 |
| 9    | Confirm transmitter booked in to correct T- channel (T1-T4)                 |                 |
| 10   | Select & confirm channel for the radio transmitter (AU3 or AU4)             |                 |
| 11   | Perform worksite warning test using test plate                              |                 |
| 12   | Lock device & remove key  |                 |

|      | Setup Stage 2: checklist for ATWS worksite warning unit                         |                |
|------|---|----------------|
| Step | Task Description  | Operator Check |
| 1    | Confirm equipment is within inspection date                                     |                |
| 2    | Confirm Audible level   |                |
| 3    | Confirm and set Radio Channel for Warning unit                                  |                |
| 4    | Book in ATWS sensor 1   |                |
| 5    | Book in ATWS sensor 2   |                |
| 6    | Perform Worksite Warning Test with all ATWS sensor                              |                |
| 7    | Ensure the workers have seen the visual warning and heard the audible warning   |                |
| 8    | Select and Confirm Channel for the Radio Transmitter                            |                |
| 9    | Confirm worksite warning unit is operational with Installers and advise them to |                |
|      | lock devices & remove key   |                |