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| **Signalling Like for Like Renewal Work Instruction** | **WO No.**  |
| **Page 1 of 2** |
| **Scope:** |  | **Date:** |
| **Team Leader:** |  | **Axle Counter Type:** |  |
| **Activity:** | **FADC R2 POWER SUPPLY BOARD (PSC) LIKE FOR LIKE RENEWAL** |
| **Reference:** PR S 4009, PR S 40051, MN S 41589 |
| **Activity No.** | **Task No.** | **WORK DESCRIPTION** | **Completed****Name/Sign** |
|  |  | **APPARATUS INSPECTION & PREPARATION** |  |
| **1** | **1A** | Ensure the new PSC board is of correct type and version.  |  |
|  | **1B** | Ensure the new PSC board is free from damage. |  |
| **2** | **2A** | Confirm which PSC board has failed by the absence of the PWR LED light.  |  |
|  | **2B** | Confirm if B1 or B2 LED is lit on the AEB is lit (B1 refers to first redundant PSC board and B2 refers to second redundant PSC board). |  |
|  | **2C** | Document the failed PSC board on the circuit diagram. |  |
|  | **2D** | Conduct an apparatus inspection of the condition of all remaining installed boards.  |  |
|  |  | **SAFEWORKING & DISCONNECTION FROM INTERLOCKING** |  |
| **3** | **3A** | Determine if the Frauscher FAdC R2 equipment and any associated signalling are required to be booked out of use. |  |
|  | **3B** | If required, disconnect the affected Frauscher FAdC R2 equipment and associated signalling, in accordance with PR S 40009 – Disconnection of Signalling Apparatus. |  |
|  |  | **DISCONNECTION, REMOVAL AND INSTALLATION** |  |
| **4** | **4A** | Unscrew the locking tab at the base of the failed PSC board.  |  |
|  | **4B** | Lift the locking tab to release the failed PSC board. |  |
|  | **4C** | Carefully remove the PSC board. Ensure the board is pulled out in a continuous direction. |  |
| **5** | **5A** | Carefully install the new PSC board. Ensure the new board is aligned and follows the chassis tracks. |  |
|  | **5B** | Push the locking tab to lock the new PSC board in place. |  |
| **6** | **6A** | Tighten (do not over tighten) the screw within the locking tab at the base of the new PSC board. |  |
| **7** | **7A** | Confirm the PWR LED is lit. |  |
|  |  | **CERTIFICATION** |  |
| **8** | **8A** | Verify that the new PSC board has been installed in the correct position and the PWR LED is illuminated. |  |
| **FADC R2 POWER SUPPLY BOARD (PSC) LIKE FOR LIKE RENEWAL** | **Page 2 of 2** |
| **NOTE** | If all FAdC R2 system power was lost then a reset of the track sections shall be required in accordance with PR S 40051. |
| **9** | **9A** | If applicable, book the FAdC R2 axle counter back into use. |  |

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| **I certify \_\_\_\_\_\_ PSC board at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ location has been inspected and tested and is fit for service.****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Print Name Position****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_****Signature Date** |