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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** |