**Network PCA Form**

**PCA Request Information**

***Requestor Name:*** Katie Conner

***Requestor Job Title:*** Hardware Support Engineer II

***Requestor Site:*** BOS21

***Date:*** 5/19/2022

***Triggering Event WO#:*** N/A

***Triggering Event TT Link (If Applicable):*** *N/A*

***Brief Description of Root Cause for Triggering Event/Why PCA being requested:***

To increase machine availability and reduce quality kickouts for RWC4, two hardware changes on the robot and eight software changes (5 HMI updates and 3 PLC bugs) were implemented at pilot site GRR1 showing a 75% reduction in the quality kick out “barcode no read” and a 50% reduction in the quality kick out “over height.” This PCA is requesting all the impacted sites to escort the Vendor (JR Automation) during these scheduled upgrades to the PLC program, complete the two hardware changes as per given instructions and take software backups after completion of the changes.

**Impacted Equipment/Sites:**

***Equipment Model/Models Impacted:*** RWC4 Workcells

***Sites Impacted:***

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ABE8 | ABQ1 | ACY1 | AFW1 | AGS1 | AKC1 | ATL2 | AUS2 | AUS3 | BDL3 | BDL4 | BFL1 | BFL2 | BHM1 |
| BNA3 | BOI2 | BOS12 | BWI2 | CAE1 | CHA1 | CLE2 | CLE3 | CLT2 | CLT4 | CMH1 | CMH4 | CSG1 | DAL2 |
| DAL3 | DCA1 | DEN3 | DEN4 | DET3 | DFW7 | DSM5 | DTW1 | ELP1 | EWR4 | EWR9 | FAT1 | FTW1 | FTW6 |
| FWA4 | GEG1 | GRR1 | GYR1 | GYR2 | GYR3 | HOU6 | IGQ1 | IND1 | IND9 | JAN 1 | JAX7 | JFK8 | LAS1 |
| LAS2 | LAS7 | LAX9 | LEX1 | LEX2 | LGB3 | LGB7 | LGB8 | LIT1 | MCO1 | MDW2 | MEM1 | MEM4 | MIA1 |
| MKE1 | MKE2 | MQJ1 | MQY1 | MTN1 | OAK4 | OKC1 | OMA2 | ONT2 | ONT6 | ORD5 | ORF2 | ORF3 | OXR1 |
| PCW1 | PDX9 | PHL7 | PSP1 | RDG1 | RDU1 | RIC2 | SAN3 | SAT2 | SBD1 | SCK4 | SLC1 | SMF3 | STL8 |
| SYR1 | TEB9 | TPA1 | TPA4 | TUL2 | TUS2 | VGT1 | VGT2 | YHM1 | YOW3 |  |  |  |  |

**General PCA WO Information**

***PCA Work Order Description:*** RWC4 2022 Retrofit Support

***Is LOTO/MTHA needed:*** Yes.

***# of Techs required to perform task:*** One

**Estimated Time to complete (in hours):** 4 Hours

***Requested PCA Due Date:*** 10/31/22

***Enter General Task instructions for WO:***

**Step 1: Pre-Visit Tasks**

* RME to submit a local MCM by duplicating network MCM: <https://mcm.amazon.com/cms/MCM-58165299>
* RME to submit contact (name, phone number, amazon alias) who will be able to assist JR personnel to ([*ctauberman@jrautomation.com*](mailto:ctauberman@jrautomation.com), [*Kory.Bauswell@jrautomation.com*](mailto:Kory.Bauswell@jrautomation.com))
* Coordinate any concerns with vendor and project owner Conner, [Katie/kathcon@amazon.com](mailto:Katie/kathcon@amazon.com) for site - [proposed schedule.](https://amazon.awsapps.com/workdocs/index.html#/document/a7c86f2a543212301f831f4c6b062695cdb35c1adf0b7868db4441324588f2a3)

**Step 2: Vendor onsite Tasks**

* RME technician will be required to fill safety forms, wear proper PPE and follow all required safety protocols before starting the job.
* RME to power down and power up RWC4 480V electrical cabinet as directed by JR Automation personnel.
* RME to escort JR Personnel during the 4-hour window while JR performs software updates.

Hardware Updates:

* [RME to remove existing proximity sensor bracket and replace with updated version](https://amazon.awsapps.com/workdocs/index.html#/document/d4a05707df5807ce3b86482c9a384b8712fa9383bbd4b133e38ac1f5a75aca0c)
* [RME to remove the regulator on the EoAT and install a plug on the ATI module](https://amazon.awsapps.com/workdocs/index.html" \l "/document/071a6f2b99ee2238eb790a91c4cddb351d2145907172c669cb88432cb6336b4e)

Software Tasks:

* RME Controls Engineers to download a copy of the new PLC code into the site's NACF-AE folder.

***Is there a master MCM/CR for this PCA request:*** *Yes*

***If Yes, provide link:***

***MCM****:* [*https://mcm.amazon.com/cms/MCM-58165299*](https://mcm.amazon.com/cms/MCM-58165299)

***CR:*** <https://approvals.amazon.com/Approval/Details/8243339?ref_=pe_3525350_264309050>

***Is a PO required for this PCA (Yes or No?):*** No, vendor cost is covered in CAR. (PO # 2D-08149218)

***Are the sites responsible for submitting PO (Yes or No or N/A?):*** No

***If No, provide PO/Tracking information for the impacted sites below:*** PO # 2D-08149218