**Network PCA Form**

**PCA Request Details:**

***Requestor Name:*** Kyle Carosotto

***Requestor Job Title:*** Reliability Engineer

***Requestor Site:*** *NA RCA/PCA Central Team, GRT*

***Date:*** April 5, 2022

***Triggering Event WO#:***

***Triggering Event TT Link (If Applicable):***

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

Currently, CB4000 sorters use an anti-collision device that is mounted directly in front of the LSM drives. If there is a damaged low carrier, the sorter will not have time to stop before the low carrier could impact the LSM drives. This will cause catastrophic damage to the main drive mechanism of the sorter and result in extended and unplanned downtime to the site. If the device is tripped, there is a possibility that the carrier that tripped it will collide with the LSM drives. The current Anti-Collision sensor is mounted approximately 6 inches in front of each LSM drive. Most Cross-belt sorters take between 10 and 15 meters to come to a complete stop.

**Impacted Equipment/Sites:**

***Equipment Model/Models Impacted:*** *Intelligrated CB4000 Sorter*

***EAM Profile: N0A100***

***EAM Part No: None***

***Sites Impacted:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sites** | | | | |
| CMH4 | CVG9 | JAX2 | MKE2 | TUS2 |
| ACY1 | DAL3 | KSBD | MKE5 | VGT2 |
| AKC1 | DEN3 | LAS1 | OAK5 | YYZ4 |
| AUS3 | DSM5 | LAS7 | OKC1 | YYZ7 |
| AZA5 | EWR8 | LAX9 | OMA2 | YYC1 |
| BFI4 | EWR9 | LGA9 | ONT5 |  |
| BFL1 | FTW6 | LGB7 | ORF2 |  |
| BOI2 | GYR3 | MCO1 | PCW1 |  |
| CLE3 | HOU2 | MEM1 | RDU1 |  |
| CMH1 | JAN1 | MKC6 | TUL2 |  |

**General Information:**

***PCA Work Order Description:*** *Install additional Intelligrated Pre Collision sensor in front of current LSM Drive anti-collision device*

***Is LOTO needed: Yes***

***# of Techs required to perform task:*** *2 MHE Tech*

***Estimated Time to complete (in hours): 2 Hour/sensor***

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

1. Ensure Site submit the Local MCM with SIM Ticketing.
2. Submit PO to intelligrated requesting proper number of sensor based on attached quote **NO LATER THAN 15 MAY 2022**. Current Intelligrated quote will expire on 18 May 2022. If site fails to submit PO before expiration they will be responsible to work with Intelligrated for an updated quote.
   1. See below to find the required quantity for your site.
3. Site should have enough material for installation available prior to start Work.
4. Install required collisions sensor and op test.
5. Ensure All details to be entered in TT for Tracking purposes for Installation and programming.

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

***If Yes, provide link:*** https://issues.amazon.com/GESChangeRequest-6087

***Is a PO required for this PCA (Yes or No?): Yes***

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

Cost Center 1290  
Account 16999  
Project Code NN90

***If No, provide PO/Tracking information for the impacted sites below: N/A***

**Action(s) Required by Impacted Sites:**

Sites RME’s are first required to submit an LMC PO requesting the required amount of sensors (Found on page of attached quote) . Upon arrival, site will install the collision detection device per the instructions which are attached to this PCA (Installation guide will also be sent with the device). Once installed, the site will contact Intelligrated Tech Support and request them to update the PLC by adding a line to the logic that will recognize the new sensor.

# Resources

Installation Guide:



Site Quantities

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Site | Quantity | Site | Quantity | Site | Quantity |
| ACY1 | 7 | EWR9 | 4 | MKE2 | 17 |
| AKC1 | 17 | FTW6 | 3 | MKE5 | 6 |
| AUS3 | 17 | GYR3 | 22 | OAK5 | 6 |
| AZA5 | 12 | HOU2 | 3 | OKC1 | 17 |
| BFI4 | 6 | JAN1 | 17 | OMA2 | 17 |
| BFL1 | 17 | JAX2 | 3 | ONT5 | 6 |
| BOI2 | 17 | KSBD | 8 | ORF2 | 22 |
| CLE3 | 4 | LAS1 | 22 | PCW1 | 17 |
| CMH1 | 2 | LAS7 | 4 | RDU1 | 17 |
| CMH4 | 4 | LAX9 | 24 | TUL2 | 17 |
| CVG9 | 4 | LGA9 | 6 | TUS2 | 4 |
| DAL3 | 4 | LGB7 | 8 | VGT2 | 22 |
| DEN3 | 2 | MCO1 | 2 | YYZ4 | 2 |
| DSM5 | 17 | MEM1 | 14 | YYZ7 | 9 |
| EWR8 | 5 | MKC6 | 3 | YYC1 | 5 |