

Dock Maintenance

The screenshot shows the 'DOCK MAINTENANCE' interface. At the top, it says 'Select Get New Dest Listings or select a dock configuration.' Below this, there are tabs for 'DRAFT' and 'FINAL'. A search bar and filter options are present. The main area contains a table of docks with columns for Dock Name, Sort, Day, Status, Explanation of Changes, Start Date, and End Date. Buttons for 'GET NEW DEST LISTINGS' and 'CREATE DRAFT DOCK' are visible.

DOCK NAME	SORT	DAY	STATUS	EXPLANATION OF CHANGES	START DATE	END DATE
FY19Sun	SAV	M, TU, W, TH	DOWN CONFLICT	SPLIT SUGGESTED	06/18/2019	06/23/2019
FY19Wed	ME3	M, TU, W, TH	CHANGES REVERTED	NO CHANGES DETECTED	06/18/2019	06/23/2019
FY19Sun	SUN	M, TU, W, TH	CHANGES DETECTED	2 NEW NLPs	06/18/2019	
FY20-Sunday	DAY	SU	CHANGES REVERTED	NO CHANGES DETECTED	06/18/2019	06/23/2019
FY23Wed-Fri	DAY	F	DOWN CONFLICT	SPLIT SUGGESTED	06/18/2019	06/23/2019
FY23Wed-Fri	MD	F	CHANGES DETECTED	9 NEW NLPs, 8 REMOVED NLPs	06/18/2019	
FY23Wed-Fri	SUN	F	CHANGES REVERTED	2 NEW NLPs, 8 REMOVED NLPs	06/18/2019	
FY23Sat-Su	DAY	SA	DOWN CONFLICT	SPLIT SUGGESTED	06/18/2019	
FY23Wed-Sa	MO	SA	CHANGES REVERTED	NO CHANGES DETECTED	06/18/2019	06/23/2019
FY23Sun-Sa	SUN	SA	CHANGES REVERTED	NO CHANGES DETECTED	06/18/2019	06/23/2019

When you first load the Dock Maintenance application, you are brought to the Docks screen. This screen shows dock configurations for all days and all sorts at a facility. There are two statuses: Draft and Final. Draft docks are like an engineer's sandbox, where they can plan out a facility's future needs. Docks in a final status are reviewed and approved, ready for implementation by a facility.

This screenshot shows the same dock list as the previous image, but with a 'Changes Detected' alert box overlaid on the right side. The alert states: 'This section lists details about the changes and what to do next.' Below the alert are buttons for 'REVIEW DEST LISTINGS' and 'EDIT DOCK'.

There are several things you can do with a dock: create, copy, edit, split, collapse, activate, and deactivate. The most important function is updating the Dest Listing to get the most up-to-date list from corporate. Sometimes these changes will conflict with the existing dock, and engineers will need to resolve these discrepancies.

This screenshot shows the 'CHANGE DETAILS' dialog box for dock 'FY19Sun'. It includes fields for 'DOCK NAME', 'SORT SHIFT', 'DAY OF WEEK', and 'START DATE'. Below this is a table for 'DESTINATIONS/NEXT LOAD POINTS' and 'CHUTES/DOORS'. A 'VIEW DETAILS' button is at the bottom right.

DESTINATION	NLP	SERVICE TYPE	DISPATCH	LARGE PKGT
WORC 0026				
SPFD 0011	61	HOT	1	Y
SPFD 0011	61	GND	2	N
NATK 0027	62	HOT	1	
NATK 0027	62	GND	2	Y
WLMG 0029	83	HOT	1	

When you choose "Edit Dock," you are taken to the dock configuration screen. Here you can edit the name, sort, days, and dates. You can view the proposed changes by clicking the "Change Details" button. Today this process is handled via email. In this new process, engineers will continue to be notified of changes via email, but will view all documentation within the application.

This screenshot shows the 'DESTINATIONS/NEXT LOAD POINTS' tab selected. It features a table with columns for Destination, NLP, Service Type, Dispatch, and Large Pkg? Each row has a blue pencil icon for editing.

DESTINATION	NLP	SERVICE TYPE	DISPATCH	LARGE PKGT
WORC 0026				
SPFD 0011	61	HOT	1	Y
SPFD 0011	61	GND	2	N
NATK 0027	62	HOT	1	
NATK 0027	62	GND	2	Y
WLMG 0029	83	HOT	1	
WLMG 0029	83	GND	2	Y
BOST 0031	86	HOT	1	N

The two most important parts of a dock are destinations and chutes. The Destinations/Next Load Points tab shows all destinations that are handled by a facility. For example, a trailer from Boston to Los Angeles has a stop, or next load point (NLP), in Chicago. There are different NLPs depending on whether a dock handles regular shipments or expedited shipments, or large packages or small packages. Assigning all destinations to their respective NLPs is absolutely crucial.

This screenshot shows the 'CHUTES/DOORS' tab selected. It features a table with columns for Chute/Door, Ratio, NLP, and Name. Each row has a blue pencil icon for editing.

CHUTE/DOOR	RATIO	NLP	NAME
101	99	7604	CHIC HOT
102	90	7604	CHIC HOT
103	99	619	CHAM
104	33	170	HRBG
105	33	170	HRBG
106	34	170	HRBG
107	99	194	KOPR
108	99	422	COLO

After all destinations have been assigned, the next step is to assign routes, or chutes, through the facility (like a conveyor belt) so packages get to the correct dock and trailer. The number of chutes is dependent upon the size of the facility and are often reused for different NLPs and sorts. It is not uncommon for central controllers, who are in charge of the active dock, to make dozens of changes to accommodate package traffic and volume.