

# User Manual

LifeMark®-100 Editing PAS Transitions on the Web Portal

# Table of Contents

• Web Integration – Editing Transitions



# **Section One**

Web Integration – Editing Transitions

# Editing P.A.S. Detected Transitions

- While the LimnTech team is constantly improving its line detection algorithms, no AI powered system is perfect. There may be falsely detected transitions during the recording process. Some situations that may cause mistakes are:
  - 1. Worn Lines
  - 2. Shadows
  - 3. Poorly restriped lines
  - 4. Lines going out of view of the camera
- With this in mind, the LimnTech website allows users to inspect and, if desired, edit the detected P.A.S. transitions before Layout.
- The following section of this document will outline this process.

# Navigate To Webpage

- On any browser navigate to the following website: https://console.limntech.com
- If you do not have login credentials for the website, please contact your company's LimnTech web admin to help set up your account.
- If you forgot your password, click the "Forgot Password" link and follow the prompts.



# Navigate To Active Path List

- Make sure that the buttons on the banner of your web page are the same as the buttons shown on the banner of the image to the right.
- If "User Access", "Import Paths" and "Export Paths" are missing, your user account has read-only permissions. This will allow only for the viewing of the transitions on the map but does not include the ability to edit the transitions.
- If you see these buttons, your account has "Administrator" permissions.
  Please click the button "Active Paths" at the top of the webpage to view your active recordings.
- If you suspect you have the wrong account permissions, please contact your company's administrator.

C	A https://beta.console.limntech.com		ති Q Search	V . (1
NTECH	Home User Acces	Trucks Active Paths Archived Paths Propose s Change Password	d Paths Import Paths Export Paths Logout	LIMNTECH
	(	GUIDEMARK, INC. Admi	nistration	
	Trucks		7	
	Active Paths		232	
	Archived Paths		2028	
	Proposed Paths		101	
	Path Overlay Map			
	All Paths	۲		
	Active Paths	0		
	Archived Paths	0		
	Filter For Recording Begin Date	01/01/2016	Save Reset	
	Filter For Recording End Date	08/20/2024	Save Reset	

# Select The Desired Path

- This webpage shows a list of all "Active" recordings. "Active" recordings can be downloaded by the company's fleet of trucks.
- Selecting the "Edit" icon for a specific path will bring up more detailed information about the selected path. If your user is readonly this button will be called "Info".
- Among the detailed information shown, a user can use the "Edit" page to view and edit the detected P.A.S. transitions.

$\leftarrow$ $\rightarrow$ C $\textcircled{a}$	O A https://beta.console.limntech.com/active_paths/	₂ ⊻ ⊡ <b>…</b> ♪ ≡
	Home Trucks Active Paths Archived Paths Proposed Paths Import Paths Export Paths   User Access Change Password Logout	

			search		Q
Path Name	Path Description	Date Created↓	Edit	Archive	
PA Lehigh Co. PTC MP 68.10 - MP 76.65 Yellow	SB Yellow form MP 76.65 - MP 68.10	August 14th 2024 - 03:17:16 PM	1		
PA Lehigh Co. PTC MP 68.10 - MP 76.65 White	SB Skips from MP 76.65 - MP 68.10	August 14th 2024 - 03:16:59 PM	1		
PA Lehigh Co. PTC MP 68.10 - MP 76.65 Yellow	NB Yellow from MP 68.10 - MP 76.65	August 14th 2024 - 03:14:35 PM	1		
PA Lehigh Co. PTC MP 68.10 - MP 76.65 White	NB Skips from MP 68.10 - MP 76.65	August 14th 2024 - 03:14:18 PM	1		
PA Montgomery Co. SR 1024 Salford Station	M13 Project 2 EB from Gravel Pike to Old Skip	August 13th 2024 - 07:34:47 PM	1		
PA Montgomery Co. SR 1020 Cross Rd Yellow	M13 Project 1 NB from Skippack Pk to Harley	August 13th 2024 - 07:33:49 PM	1		
DA Montgomony Co. CD 1024 Colford Station	M12 Project 2 WP from Old Chinnack Pd to Cr	August 13th 2024 07.22.00 DM		_	
		Filter above data from start da	o1/01/20:	16	
		Filter above data from end dat	e: 08/21/202	24	

## Active Path Edit

- This page allows a user to view details about the performed recording. Below are the following actions a user can take from this page:
  - 1. Edit the path name
  - 2. Edit the path description
  - 3. Assign the path to specific trucks in a company's fleet
  - 4. View the virtual line over a Google Map
  - 5. View the P.A.S. transitions over a Google Map
  - 6. Edit / Delete P.A.S. transitions before layout is performed
- A truck must be synchronized to receive any changes made through the website.



## View The Virtual Line

- Scrolling down to the bottom of the "Edit" page will show the virtual line overlaid on a Google Map.
- If P.A.S. was enabled for the selected recording, a dropdown "Choose Map Mode" will be available as shown in the image to the right.
- This dropdown box will let the user dynamically toggle between viewing the virtual line and the P.A.S. transitions.



## View P.A.S. Detected Transitions

- Selecting "Pattern Automation System" on the "Choose Map Mode" dropdown will show the P.A.S. detected transitions on the map.
- The pins on the map represent a detected pattern change. Clicking on one of these pins will show detailed information about the transition. The following slides will give more information on this.
- Previous / Next patterns are with respect to the direction of recording. There will be a pin placed at the location where the recording is started and where the recording is stopped. Clicking on these pins will show the text "Start of Recording" or "End of Recording". This can be used to determine the recording direction if this is forgotten.
- The green line represents where the truck travelled during the Recording. **This is not the Layout virtual line,** since the P.A.S. will work even when there is a red dot during Recording.



## **Transition Detail**

- Each pin on the map is clickable and will display the following information
  - 1. Line color
  - 2. Pattern Transition (previous pattern and next pattern along the recording direction)
  - 3. Transition Location (Latitude / Longitude)
  - 4. Edit Button
  - 5. Delete Button
- Pressing the button entitled "Edit" will allow the user to change the detected transition to any of the eight P.A.S. supported transition types.
- The button entitled "Delete" will appear for every marker except the markers indicating the start and stop of the recording. Pressing this "Delete" button will remove the transition from the recording.



### Edit Detected Pattern

- When editing a transition, the user will be presented with a dropdown selection of supported P.A.S. transitions.
- When the user is satisfied with their changes, they can press the button named "Apply" in the pop-up window.
- Once every edit is made, the user must press "Save Active Path" at the bottom of the website for all their changes to be saved.
- Once the user pressed "Save Active Path", any vehicle wishing to perform Layout with the changes must synchronize.

Iruck 215	Iruck 1015	
Truck 212	Truck 1043	Ø
Truck 213	Truck 1003	



#### Create New Transition

- Clicking anywhere on the green line will create a new pin on the map
- By default, the previous and next transitions will both correspond to whichever pattern is currently assigned to the line before the user created the transition.
- In the example to the right, the user clicked the green line where "Solid Single" was the current transition.
- The user may now use the "Edit" button to modify this transition.
- Any transitions where the previous pattern and the next pattern are the same will be ignored by the server when "Save Active Path" is pressed.

Truck 215	Truck 1015	
Truck 212	Truck 1043	
Truck 213	Truck 1003	



Choose Map Mode

Pattern Automation System

You have modified the P.A.S. transitions. Pressing the save button will apply these changes which can be downloaded upon your system's next sync.

Save Active Path

#### Delete Transition

- There may be false positive transitions detected by the P.A.S system.
- If the user wishes to completely remove a detected transition, they may press the button labeled "Delete" that is shown in the pop-up window when clicking on a transition.
- Note: the first and last transitions cannot be deleted since they represent the start and stop of the recording. All other transitions may be deleted.

Truck 215	Truck 1015	
Truck 212	Truck 1043	2
Truck 213	Truck 1003	



Choose Map Mode

Pattern Automation System

You have modified the P.A.S. transitions. Pressing the save button will apply these changes which can be downloaded upon your system's next sync.

Save Active Path