

# ATHENA TELEMATICS VEHICLE PLANNED SUBSTITUTIONS

Education Logistics, Inc.

Training Guide



# Athena Telematics Vehicle Planned Substitutions Training Guide

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# VEHICLE PLANNED SUBSTITUTIONS INTRODUCTION

The Athena Telematics Vehicle Planned Substitutions Training Guide will provide you with explanations of the basic tools within Athena Telematics Vehicle Planned Substitution module, walk you through steps in managing planned substitutions, as well as provide you with specific scenarios you may encounter as you begin to independently navigate the system.

There are several ways you can make substitutions. Substitutions can be done in System Management, on the tablet, and in Athena Telematics. This document will cover Vehicle Planned Substitutions in the Athena Telematics application.

For substitutions to work correctly, all routing should be in place in the Athena Routing and Planning application, which include finalized routes, vehicles, vehicle capacity, and vehicle-routes assignments.

Changes made to vehicle capacity and route load will only reflect overnight, unless you run a data sync, which can be done in Tools – Utilities – Telematics Utilities. You may want to create Planned Substitutions first, rather than Live Substitutions, unless you do a data sync.

# PLANNED SUBSTITUTIONS

# Planned Substitutions Overview

The planned assignments are intended for the near future, typically within the next 10 working days. Any assignment in this module will override the assignment in the module Vehicles Route Assignment in the specific time range.

**Daily Rollover for Assignments** is the crucial part of this module. It triggers early every morning and will remove which assignments are not valid.

## Live – Hold – Plan

Live, Hold, and Plan are the names of three copies of the Athena routing data base. The routing data base (everything except for Students, Transportation Requests, and Trips) does not have effective dates attached to its data

records (mainly stops, paths, schools) but exists in three forms: Live, Hold, and Plan. Each routing data base is associated with the date of when the data are assumed to reflect the routes as they are actually driven on that day (this is called the Plan date of the data base). Live corresponds to the current date and is not allowed to be edited (except in case of extreme emergencies). Plan corresponds to data fully available for editing. Hold is basically the same as future Live and exists for the sole reason of providing enough time for the transportation office to deal with communication or operational actions caused by the route changes requested or required before going live.

The main justifications for the Hold stages are:

- to allow the transportation office to have enough time to distribute the transportation information to stakeholders before going live with it. A consequence is that no requests can be made effective sooner than 3 days from the time they are received;
- 2. if the office is not able to finish all the changes needed in the future, the Hold days provide a buffer to finish the work: for example, if all the changes due 3 days later cannot be finished in

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Plan during the current day's work, on the next day, the roll-over of Plan into Hold 2 can wait until work is completed, and then the roll-over can take place: the new Hold 2 is created and the new Plan started.

The example of a 2-day Hold may not be typical. Maybe a no-Hold setup will be common in small school systems as changes can be handled in one day's work, and the notification can be done via PP/email/SMS to parents, live display of route data via DP for drivers, WebApp access to any other stakeholders. With a no-Hold setup, there are only Live and Plan data co-existing in the system. Transportation requests can be processed to be live the next day. In Plan, the routing system will require a date before any functions involving trips can operate. By default, it will be the date of the Plan data (next day in a no-Hold setup).

#### **Planned Substitutions Module**

1. Log in to the system by entering "User Name," "Password" and click on the "Login" button.



2. Click on the "Telematics" module.



3. Select Planned Substitutions under Vehicle Management



- 4. Routes in the Data Panel
  - a. Routes must have valid Frequency (if they have at least one working day) to be loaded
  - b. Display the routes and substitutions on panel with columns:
    - Route ID, Hold 1, Hold 2, Hold 3, Plan, Until (leave it blank), Depot, Special Ed
    - "Hold" and "Plan" day will start at the next tenant date (display as the same Vehicle Planned Substitutions)
    - Number of Hold Days can be configured (number of hold days: 3, 4, 5)
    - Default, there are 3 Hold Days

= 🁌	Telematics	» Vehicles Ma	anagement » P	lanned Substitut		Active D	ata Area: <b>plan</b> I	Effective on: 6/	/1/23 &					
							Routes							
Assignment	nt Status Color				_							3: System - Assisted	— Unassign Vehicle	Colum
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023 ≡	06/09/2023	06/12/2023	06/13/2023	06/14/2023	06/15/2023	Until	Depot	Special Ed	
818														
819														
821														
822														
825														
826														
827														
828														
829														
830														
831														
833														
835														

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- 6. Display Window Dates Assignment
  - a. Window days are all the future working days that user wants to observe start from the following date.
  - b. Window days display the future Assignments.
  - c. Window days include Hold days and Plan day.
  - d. The Header of window days further than plan day only consists of Date (no Hold Number or Plan) (better words)
  - e. Number of Window Days can be configured: Maximum is 10.

🔳 褖 Telem	natics » Vehic	cles Managemen	it » Planned Su	Ibstitutions						Active D	ata Area: <b>pl</b>	an I Effectiv	/e on: 6/1/23
						Route	s						
Assignment Status Col	or										🕴 System - Ar	ssisted 🛛 — Unass	ign Vehicle <b>   Column</b>
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	06/15/2023	Until	Depot	Special Ed
V074													
V083													
V086													
V091													
V093													
011	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02			
018	HB001	HB001	HB001	HB001	HB001	HB001	HB001	HB001	HB001	HB001			
080	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001			
V094	VH034	VH034	VH034	VH034	VH034	VH034	VH034	VH034	VH034	VH034			
V095	VH023	VH023	VH023	VH023	VH023	VH023	VH023	VH023	VH023	VH023			
V096	VH028	VH028	VH028	VH028	VH028	VH028	VH028	VH028	VH028	VH028			
V097	VH030	VH030	VH030	VH030	VH030	VH030	VH030	VH030	VH030	VH030			
V108	VH001	VH001	VH001	VH001	VH001	VH001	VH001	VH001	VH001	VH001			

#### 7. Default sort:

- a. Prioritized on Hold 1 that is missing assignment
- b. If routes also have the Hold 1 missing assignment, check the same rule for Hold 2
- c. Repeatedly sort for next window dates with the rules above

🔳 👌 Telemo	atics » Vehicle	es Management	» Planned Sub	ostitutions						Active Da	ata Area: <b>pla</b>	n I Effective on
						Routes						
Assignment Status Colo	r										🗄 System - Assi	
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	06/15/2023	Until	Depot
VOB Same the numbe	r Hold missing,	so it is sorted by	Route ID	_								
V091												
V093				HNVH002	HNVH002	HNVH002	HNVH002	HINVH002	HNVH002	HNVH002		
V096				VH028	VH028	VH028	VH028	VH028	VH028	VH028		
V095			VH023	VH023	VH023	VH023	VH023	VH023	VH023	VH023		
V097	VH030				VH030	VH030	VH030	VH030	VH030	VH030		
018	HB001		HB001	HB001	HB001	HB001	HB001	HB001	HB001	HB001		
080	CHAUVH001	CHAUVH001		CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001		
011	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02		
V094	VH034	VH034	VH034	VH034	VH034	VH034	VH034	VH034	VH034	VH034		
V108	VH001	VH001	VH001	VH001	VH001	VH001	VH001	VH001	VH001	VH001		

#### **Display Route Details**

- 1. Click on a Route to see details
  - a. Route Info
    - Route ID (Code), Frequency, Core Days, Extra Days(leave Blank)
      - Core Days: Number of Unassign Days from the left first date to last consecutive unassign Days, count to the last Window Date (do not count dates that route has no duty)

🔳 褖 Telem	atics » Vehic	cles Managemen	t » Planned Su	bstitutions						Active Data Area: plar	I Effective on: 6/1/23
			Ro	utes	~		Route Needing Assignment				
Assignment Status Col	or				olumns	Boute					
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/1	Route ID V096	Frequency MTWUF	
V086									Core Days	Extra Days	
V091									3	0	
V093				HINVH002	HINVH002	HNVH002	HNVH002	HN	Cover		
V096				VH028	VH028	VH028	VH028	VH	Cover		
V095			VH023	VH023	VH023	VH023	VH023	VH	Selecting Date	Load	Depot
V097	VH030				VH030	VH030	VH030	VH		0	
018	HB001		HB001	HB001	HB001	HB001	HB001	HB	Start Time	End Time	
080	CHAUVH001	CHAUVH001		CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001	CH	06:40 AM	02:25 PM	
011	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NH	Assistment Vahiala		
V094	VH034	VH034	VH034	VH034	VH034	VH034	VH034	VH	Assignment venicle		
V108	VH001	VH001	VH001	VH001	VH001	VH001	VH001	VH	Vehicle	Capacity	Depot
	-										

- b. Cover:
  - Selecting Date (add Hold, Plan or leave blank), Depot, Load, Start Time, End Time,
- c. Assignment:
  - If user clicks on one of the window dates
  - Display Info: Vehicle (Vehicle Code), Capacity, Depot

🔳 褖 Tele	ematics » Vehi	cles Manageme	nt » Planned S	ubstitutions						Active Dat	a Area: <b>plan</b> I Effe	ctive on: 6/1/23				
				Routes					~		Route Needing Assignmen					
Assignment Status	s Color					3	: System - Assisted	— Unassign Vehicle	Columns	Boute						
loute ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	Route ID	Frequency					
V083										Core Days	Extra Days					
V086										1 0						
V091										Cover						
V093				HNVH002	HINVHOU2	HNVH002	HNVH002	HINVHOU2	HNVH002	0010.						
V096				VH028	VH028	VH028	VH028	VH028	VH028	Selecting Date	Load	Depot				
V095			VH023	Select this Windo	w Date	VH023	VH023	VH023	VH023	06/07/2023	0	N/A				
V097	VH030				VHUSU	VH030	VH030	VH030	VH030	Start Time	End Time					
018	HB001		HB001	HB001	HB001	HB001 Detail	HB001	HB001	HB001	05:55 AM	04:24 PM					
080	CHAUVH001	CHAUVH001		CHAUVH001	GHABAHOO1	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVHOU							
011	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	NHUVEH02	Assignment Vehicle						
V094	VH034	VH034	VH034	VH034	VH034	VH034	VH034	VH034	VH034	Vehicle	Capacity	Depot				
V108	VH001	VH001	VH001	VH001	VH001	VH001	VH001	VH001	VH001	CHAUVH001	99	Depots 001				

## Load Vehicles with Planned Substitutions

- 1. Load all Vehicle with Columns:
  - a. Vehicle (display Vehicle code)
  - b. Hold, Plan, Window Date
  - c. Until (Blank)
  - d. Capacity, Depot
- 2. Display the Assignment of those Vehicles
  - a. One record is one Assignment
  - b. If the Vehicle is serving more than one Route, there should be more than 1 row to display the all the assignments of that specific vehicle.

E Telemotics » Vehicles Management » Planned Substitutions Active Data Area: plan   Eff													re on: 6/1/23
						Ro	outes						
Assignment Status	Color										k System	- Assisted 📘 — Unassi	n Vehicle     Colum
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	06/15/2023	Until	Depot	Special Ed
V070													
V072		HB001											
M074													
						Vet	nicles						
Vehicle Status Colo	r						NOIDO						III Colun
Vehicle	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	06/15/2023	Until	Capacity	Depot
VH015	(	(	(	()								0	Depots 001
VH016												66	Depots 001
VH017												88	Depots 001
VH022												0	Depots 001
VH025												0	Depots 02
VH035												60	Depots 02
VH028				V096	V096	V096	V096	V096	V096	V096		89	Depots 02
HNVH002				V093	V093	V093	V093	V093	V093	V093		85	Depots 001
VH023			V095	V095	V095	V095	V095	V095	V095	V095		90	Depots 001
VH030	V097 The	e Vehicle is Assig	gned to 2 Routes	6	V097	V097	V097	V097	V097	V097		20	Depots 001
HB001		V072										99	Depots 02
HB001	018		018	018	018	018	018	018	018	018		99	Depots 02
VH034	V094	V094	V094	V094	V094	V094	V094	V094	V094	V094		70	Depots 02
NHUVEH02	011	011	011	011	011	011	011	011	011	011		90	Depots 001
VH001	V108	V108	V108	V108	V108	V108	V108	V108	V108	V108		50	Depots 001
CHAUVH001	080	080		080	080	080	080	080	080	080		99	Depots 001
CHAUVH003												10	Depots 001
CHAUVH004	Vehicle out of	t service										0	Depots 001
CHAUVH008												99	
CHAUVH010												80	

## 3. Display color for Assignment.

	Telematio	cs » Ve	hicle	s Management	» Planned Sub	ostitutions							
	Routes												
	Planned Vehic	e									🗄 System	Assisted – Unass	lgn Vehicle
F	Substituted Need Substitut	ion		06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	06/15/2023	Until
UF 1-7 0433	Not in Service												
OPT-78434		À											
OPT-78435													
OPT-78436												J	
OPT-78437			$\boldsymbol{\lambda}$									l .	
103		/	$^{\prime}$										
104	FE	/ 🖌		FEV	FEV	FEV	FEV	FEV	FEV	FEV	FEV	FEV	
BBM-001		02			VH02	47		VH06		VH06	47	47	
BUS.71	VH	02		VH02	VH02	VH02	VH02	VH02	VH02	VH02	VH02	VH02	

# **Search for Evaluated Vehicles**

#### 1. Select one Route record.



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- 2. Then click **system-assisted** button to look for suitable Vehicles.
  - a. Only Route missing date assignment need to be assigned.

🔳 👌 Telem	atics » Vehi	cles Manageme	nt » Planned S	ubstitutions						Active Da	a Area: <b>plan</b> I Ef	fective on: 6
				Routes					~		Route Needing Assignm	nent
Assignment Status Col	or						System Assisted		Columns	Boute		
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	Route ID	Frequency MTWUF	
862 863										Core Days	Extra Days	
865										10	0	
867										Cover		
868										Selecting Date	Load	Depot
869											0	
871										Start Time	End Time	
873										06:10 AM	04:40 PM	
874										Accianment Vehicle		
875										Assignment venicle		
876										Vehicle	Capacity	Depot
877												
879									0		Tunn	
880											Vehicles Evaluated	
												+ Accept
				Vehicles					~	Vehicle Core Days	Extra Days Last	Trip Date
O Vehicle Status Color									[]] Columns			
Vehicle	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023			
HB001		V072							1			
HB001	018		018	018	018	018	018	018	018			
CHAUVH006											Losding	
CHAUVH007											enan A	
H2												
H4												
MARLIN FOI		010										

- 3. Evaluated Vehicles will appear in the lower right of the workspace panel. Data includes:
  - a. Vehicle, Core Days, Extra Days (leave it blank), Last Trip Date
  - b. Core Days: Number of Unassign Days from the left first date to last consecutive unassign Days, count to the last Window Date (do not count dates that route has no duty) that Evaluated Vehicle Could assign
  - c. Default Sort by
    - Vehicle Core Days Availability
    - Last Trip Date (Priority on Vehicle had the last trip date further than current date)

🔳 💣 Telen	natics » Veh	icles Manageme	nt » Planned S	ubstitutions						A	ctive Data	a Area: <b>pla</b>	n   Effective	on: 6
				Routes					^			Route Needing	Assignment	
Assignment Status Co	lor						System - Assisted	— Unassign Vehicle	III Columns	Route				
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	Route ID		Frequency		
862	(Hold I)	(1010 2)	(Hold S)	(rian)						867		MTWUF		
863										Core Days		Extra Days		
865										10		0		
867										Cover				
868										Selecting Dat	e	Load	Depot	
869										o or o o tring o di	•	0	Dopor	
871														
873										Start Time		End Time		
874										00.10 Am		04.4011		
875										Assignme	nt Vehicle			
876										Vehicle		Capacity	Depot	
877														
879														
880												Vehicles E	valuated	
.001													+1	Accept
				Vehieles						Vehicle	Core Dave	Extra Dave	Last Trin Date	
				Venicles						CHAINANO	10	Extra Days	Last mp bate	
Vehicle Status Color									Columns	CHALMHO	10			
/ehicle	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	H2	10		*	
LIB001	(Hold I)	(100 2) 1/072	(1010-0)	(Fidil)						HA I	10			
HBOOT	019	V072	019	019	019	019	019	019	018	VPH002	10			
CHALMH006	010		010	010	010	010	010	010	010	VBH003	10			
										VEHICLE006	10			
										VEHICLE007	10			
112										VH003	10			
NACHICI E01		010								1600	10			

- 4. Vehicles Evaluated should have satisfied criteria:
  - a. Have enough availability time for that route cover

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- Meet the From Time, To Time, Frequency
- Vehicle Availability Time = 24h assignments time outofServiceTime
- If after the projected end date, the vehicle still does not have actual end time, It is considered as out of service for the next all window dates.
- b. The Vehicle Capacity must equal or greater than the Route Cover Load
- c. Vehicle Depot must match the Route Cover start Depot
  - They must be the same if they are not null
- d. At least, Vehicle could be assigned to the first route core date.



#### 5. Select the Vehicle.



6. Confirm the Vehicle – select Assign.

	atics » Vehic	cles Managemer	it » Planned Su	bstitutions								A	ctive Dat	a Area: <b>pla</b> i	n I Effec	tive on: 6
				Routes	(	Confirmat	tion				^			Route Needing	Assignment	
O Assignment Status Cold	ar .					Comman					III Columns	Route				
Route ID	06/02/2023	05/05/2023	05/06/2023	06/07/2023	06/0	The Vehic	le VBH003 wi	Il be assigned to	20	023	06/14/2023	Route ID		Frequency		
862	(Hold I)	(Hold 2)	(Hold S)	(riary		Route 867	7. Are vou sure	e vou want to assic	an?		-	867		MTWUF		
863							,	,				Core Days		Extra Days		
865							_					10		0		
867							Cancel	Assign				Cover				
868														Load		Denot
869												Delecting Date		0		Liebor
871																
873												Start Time		End Time		
874												00.10 Am		04.40 F III		
875												Assignme	nt Vehicle			
876												Vehicle		Capacity		Depot
877																
879											1					
880																
nni.	-	2 V										_				+Accept
				Mahielag								Vehicle	Core Days	Extra Days	Last Trip	Date
				VOLINGES						_	~	UHAUVHU	IU	Line o Dajo	Last mp	
Vehicle Status Color											III Columns	H2	10			
/ehicle	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08	3/2023	06/09/2023	06/12/2023	06/13/20	023	06/14/2023	H4	10			
HB001		V072									1	VBH002	10			
HB001	018		018	018	018		018	018	018		018	VBH003	10			
CHALMH006												VEHICLE006	10			
CHAUVH007												VEHICLE007	10			
H2												VH003	10			
H4												VH004	10			
MARHACI FOI		010										VHOO6	10			

## 7. Vehicle will be an assigned substitution.

— <u>&gt;</u> .			_					1				
	ialics » Vehi	icles Manageme	nt » Planned S	ubstitutions						Active Da	ata Area	Successfully
				Routes					~		Route N	Route 867 is successfully
Assignment Status Col	or						: System - Assisted	— Unassign Vehicle	III Columns	Davida		
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	Route ID	Frequency	
862										Core Days	Extra Days	
863										0	0	
867	VALUO12	VPL/V2	VELICOR	VELIONS	VEHOOD	VPL002	VELIOOS	VPHOTO	VRH002	Cover		
868	1011000	10,1000	101000	10,1000	VLA 1000		VCI IDOU	VLA 1000	VDI ICCC	Outputters Date	1	Devel
869										Selecting Date	0	Depot
871												
873										Start Time 06:10 AM	End Time 04-40 PM	
874												
875										Assignment Vehicle		
876										Vehicle	Capacity	Depot
877												
879	1											111
880											Vehicles E	valuated
	-											+ Accept
				Vehicles					~	Vehicle Core Day	s Extra Days	Last Trip Date
Vehicle Status Color									Columns			
/ehicle	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023			
HB001		V072										
HB001	018		018	018	018	018	018	018	018			
CHAUVH006											Nof	lata
CHAUVH007												
H2												
H4												
NA FLACI FOI		010										

# Manually assign Vehicle to Route

1. Click on a route.

🔳 👌 Telem	natics » Vehi	cles Manageme		Active Data Area: plan   Effective on:								
				Routes	§				~		Route Needing Assig	nment
O Assignment Status Col	lor						System - Assisted	— Unassign Vehicle	III Columns	Route		
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	Route ID V091	Frequency MTWUF	
V058										Core Days	Extra Days	
V067										Cover		
V070										Palastian Data	Lood	Depet
V074 V083										06/02/2023	0	N/A
V086										Start Time	End Time	
V091				HNAH002	HNMH002	HNMH002	HNAH002	HNMH002	HNRHOOD	00.41 AM	04.22 FM	
V095				VH028	VH028	VH028	VH028	VH028	VH028	Assignment Vehicle		
V095			VH023	VH023	VH023	VH023	VH023	VH023	VH023	Vehicle	Capacity	Depot
V072		HB001										
V097	VH030				VH030	VH030	VH030	VH030	VH030			040
010	MINHVH002		MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVHOD		Vehicles Evaluate	ed
	0			::::::::::::::::::::::::::::::::::::::		9						⇒ Accept
				Vehicles					~	Vehicle Core Days	Extra Days Las	t Trip Date
Vehicle Status Color									Columns			
Vehicle	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023			
HB001		V072							1			
HB001	018		018	018	018	018	018	018	018			
CHAUVH006											Loading	
CHAUVH007											Eddon ig	
H2												
H4												
NATURAL FOL												

2. Enter the Vehicle (Vehicle ID) to point the Vehicle needed to be assigned.

	elematics » Veh	icles Manageme	ent » Planned s	Substitutions						Active Dat	a Area: <b>plan</b> I Eff	ective on: 6
				Routes	8				^		Route Needing Assignme	ent
O Assignment Sta	atus Color						System - Assisted	— Unassign Vehicl	III Columns	Boute		
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	Route ID V091	Frequency MTWUF	
V058										Core Days	Extra Days	
V064										10	0	
V067										Cover		
V070	VBH001									Polosting Data	Lood	Donot
V074	VBH002									06/02/2023	0	N/A
V083	VBH003									Start Time	End Time	
V090	VB I									06:41 AM	04:22 PM	
V093				HNVH002	HNVH002	HNVH002	HNVH002	HNVH002	HNVH002	Assignment Vehicle		
V096				VH028	VH028	VH028	VH028	VH028	VH028	Assignment venicle		
V095			VH023	VH023	VH023	VH023	VH023	VH023	VH023	Vehicle	Capacity	Depot
V072	· · · · · · · · · · · · · · · · · · ·	HB001										
V097	VH030				VH030	VH030	VH030	VH030	VH030		Mahialan Evolution	
010	MINHVH002		MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINH/H002	MINHVH002	MINHVHOO	-	venicies Evaluated	-
				mmm								+  Accept
				Vehicles	3				^	Vehicle Core Days	Extra Days Last Ti	lp Date
Vehicle Status	Color								Columns			
Vehicle	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023			
HB001		V072										
HB001	018		018	018	018	018	018	018	018			
CHAUVH006											Loading	
CHAUVH007												
H2												
H4												
MUEHICI ED1												

- a. Select from the list or typing the full ID.
- 3. Confirm by selecting Assign.

	atics » Vehi	cles Manageme	nt » Planned S	Substitutions							5.	Active Date	a Area: <b>plan</b> I Effe	ective on: 6
				Routes		Confirm	ation				^		Route Needing Assignme	nt
Assignment Status Col	or					Ign Vehicle III Columns					olumns	Route		
loute ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/0	The Vehicle VBH001 will be assigned to				2023 06/	4/2023	Route ID V091	Frequency	
V058						Route V	091. Are you su	are you want to				Core Days	Extra Days	
V064						assign?						10	0	
V067												Cover		
V070							Cancel	Assign						
V074												Selecting Date	Load	Depot
V083									16			00/02/2023	U	NZA
V086												Start Time	End Time	
V091	VBH001											06:41 AM	04:22 PM	
V093	The second second second			HNVH002	HNV	1002	HNMH002	HNVH002	HINNHO	02 HNV	H002	Assignment Vehicle		
V096				VH028	VHO	28	VH028	VH028	VH028	VHO	28		Marconaux.	10000
V095			VH023	VH023	VHO2	23	VH023	VH023	VH023	VHO	23	Venicie	Capacity	Depot
V072		HB001												
V097	VH030				VHOS	80	VH030	VH030	VH030	VHO	30		inning	
010	MINHVH002		MINHVHG02	MINHVH002	MINH	MH002	MINHVH002	MINHVH002	MINHVH	1002 MIN	MHOO		Venicies Evaluated	
														+[Accept
											^			
Vehicle Status Color										IIIC	olumns			
/ehicle	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/0	8/2023	06/09/2023	06/12/2023	06/13/	2023 06/	14/2023			
HB001		V072												
HB001	018		018	018	018		018	018	018	018				
CHALMH006													Landar	
CHALMH007														
H2														
H4														
MEHICI FOI														

#### 4. The Vehicle is assigned.

\Xi 褖 Telen	natics » Veh	icles Manageme		Active Dat	a Area	Successfully						
				Routes					~		Route N	Houte V091 is successful
O Assignment Status Co	lor						🗄 System - Assisted	— Unassign Vehicle	III Columns	Route		
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	Route ID V091	Frequency MTWUF	
V058										Core Days	Extra Days	
V064										0	0	
V067										Cover		
V070												
V074										Selecting Date	Load	Depot N/A
V0B3										00/02/2023	0	IVA
V086										Start Time	End Time	
V091	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	06:41 AM	04:22 PM	
V093				HNVH002	HNVH002	HNVH002	HINVH002	HNVH002	HNVH002	Assignment Vehicle		
V096				VH028	VH028	VH028	VH028	VH028	VH028	Vahiala	Consolty	Dopot
V095		-3- -	VHD23	VH023	VH023	VH023	VH023	VH023	VH023	VBH001	29	Depot test
V072		HB001					and a second second					
V097	VH030				VH030	VH030	VH030	VH030	VH030		Vehicles Fr	valuated
010	MINHVH002		MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVHOO			allecent
	_			. 1111111								+Ivccebt
				Vehicles	3				^	Vehicle Core Days	Extra Days	Last Trip Date
Vehicle Status Color									III Columns			
/ehicle	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023			
HB001		V072										
HB001	018		018	018	018	018	018	018	018			
CHAUVH006											Load	03
CHAUVH007												-9
H2												
H4												
NA FLICT FOI												

5. For missing assignments, click in the missing box.

🔳 👌 Telem	natics » Veh	iicles Manageme	nt » Planned S	Substitutions						Active Dat	a Area: <b>plan</b> I E	ffective on: 6
				Routes					~		Route Needing Assign	nent
Assignment Status Co	lor						4: System - Assisted	— Unassign Vehicl	Columns	Route		
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	Route ID 010	Frequency MTWUF	
V067										Core Days	Extra Days	
V070										1	0	
V074										Cover		
V083												
V086										Selecting Date	Load	Depot
V091	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	00/03/2023	0	No.
V093				HNVH002	HNVH002	HNVH002	HNVH002	HNVH002	HNVH002	Start Time	End Time	
V096				VH028	VH028	VH028	VH028	VH028	VH028	06:40 AM	05:50 PM	
V095			VH023	VH023	VH023	VH023	VH023	VH023	VH023	Assignment Vehicle		
V072	14 1000	HB001				141000	14.000	141000	111000	Vehicle	Canacity	Denot
V097	VH030	. T	-		VH030	VH030	VHOGO	VH030	VH030	Verificie	Capacity	Depor
010	MINHVH002		MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVHOO			
018	HB001		HB001	HB001	HB001	HB001	HB001	HB001	HB001		Vehicles Evaluated	
080	CHAUVHOUT	CHAUV		CHAUVHUU1	CHAUVHOUT	CHAUVHUUT	CHAUVHUUT	CHAUVHOUT	CHAUVHUL			
	_											41 Accept
				Vehicles					^	Vehicle Core Days	Extra Days Last	Trip Date
Vehicle Status Color									III Columns			
/ehicle	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023			
HB001		V072										
HB001	018		018	018	018	018	018	018	018			
CHAUVH006											Loading	
CHAUVH007											Locaria	
H2												
H4												
NVEHICI E01												

#### 6. Select from the list or typing the full ID.

			<b>JI</b> U									
🔳 👌 Telen	natics » Veh	icles Manageme	nt » Planned S	Substitutions						Active Dat	a Area: <b>plan</b> I E	Effective on: 6
				Routes					^		Route Needing Assign	iment
O Assignment Status Co	lor						System - Assisted	🛛 — Unassign Vehicle	[]  Columns	Boute		
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	Route ID	Frequency	
V067										Core Days	Extra Days	
V070										1	0	
V074										Cover		
V083										Cover		
V086										Selecting Date	Load	Depot
V091	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	06/05/2023	0	N/A
V093				HINVH002	HNVH002	HINVH002	HNVH002	HNVH002	HNVH002	Start Time	End Time	
V096				VH028	VH028	VH028	VH028	VH028	VH028	06:40 AM	05:50 PM	
V095			VH023	VH023	VH023	VH023	VH023	VH023	VH023	Assignment Vehicle		
V072	NVEHICLED1								-		1000000	
V097	VH030				VH030	VHO30	VH030	VH030	VH030	Vehicle	Capacity	Depot
010	MINHVH002	Nvel 1	MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVHOO			
018	HB001		HB001	HB001	HB001	HB001	HB001	HB001	HB001			34
080	CHAUVH001	CHAUVH001		CHAUMH001	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVHO		Vehicles Evaluate	d
	C											+ Accept
				Vehicle					^	Vehicle Gore Days	Extra Days Last	Trip Date
Vehicle Status Color									Columns			
Vehicle	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023			
HB001		V072							1			
HB001	018		018	018	018	018	018	018	018			
CHAUVH006											Loading	
CHAUVH007											more of	
H2												
H4												
M/EHICI E01												

7. Confirm by selecting Assign.

	E Telemotics » Vehicles Management » Planned Substitutions Active Data Area: plan   Effective on: 6												
				Routes		Confirm	otion			^		Route Needing Assignment	
Assignment Status Cole	or					Committee	allon		lgn Vehlo	Route			
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/0	The Vehicle <b>NVEHICLE01</b> will be assigned to Route <b>010</b> . Are you sure you want to assign?					Route ID	Frequency	
V067	<b>,</b>			to said							010 Coro Dours	MTWUF Firstea Davia	
V070											1	0	
V074							Cancel	Assign			Cover		
VOB3							Curron	ribuigh			Cover		
V086											Selecting Date	Load	Depot
V091	VBH001	VBH001	VBH001	VBH001	VBHO		VBH001	VBH001	VBH001	VBH001	06/05/2023	0	N/A
V093				HNVH002	HNVH	1002	HNVH002	HNVH002	HIN/HOO2	HINVH002	Start Time	End Time	
V096	_			VH028	VH028	8	VH028	VH028	VH028	VH028	06:40 AM	05:50 PM	
V095			VH023	VH023	VH02	3	VH023	VH023	VH023	VH023	Assignment Vehicle		
V072		HB001											No. Second St.
V097	VH030	<b>₽</b>			VHO3		VH030	VH030	VH030	VH030	Vehicle	Capacity	Depot
010	MINI-MH002	NVEHICLE01	MINHVH002	MINHVH002	MINH	VH002	MINHVH002	MINHVH002	MINHVH002	MINHVHOO			
018	HB001		HB001	HB001	HBOO		HB001	HB001	HB001	HB001		miim	_
080	CHAUVH001	CHAUVHOO1		CHAUVH001	CHAU	IVH001	CHAUVH001	CHALVHO01	CHAUVH001	CHAUVHOX 📗		Vehicles Evaluated	
													-Accept
										^			Date
Vehicle Status Color										Columns			
/ehicle	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08	8/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023			
HB001		V072											
HB001	018		018	018	018		018	018	018	018			
CHAL/VH006												Loading	
CHAUNH007												codding	
H2													
H4													
MARHICI EDI													

#### 8. The Vehicle is assigned.

🔳 褖 Telem	natics » Veh	icles Management	» Planned S	Substitutions						Active Dat	a Area 🗸 Suc	cessfully
				Routes					^		Route N	
Assignment Status Col	lor						🗄 System - Assisted	— Unassign Vehicle	Columns	Boute		
Route ID	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023	Route ID	Frequency	
V067										Core Days	Extra Days	
V070										0	0	
V074										Cover		
V083										00001		
V086										Selecting Date	Load	Depot
V091	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	VBH001	06/05/2023	0	N/A
V093				HINVH002	HNVH002	HINVH002	HNVH002	HNVH002	HNVH002	Start Time	End Time	
V096				VH028	VH028	VH028	VH028	VH028	VH028	06:40 AM	05:50 PM	
V095	-		VH023	VH023	VH023	VH023	VH023	VH023	VH023	Assignment Vehicle		
V072		HB001								Maria	0	
V097	VH030				VH030	VH030	VH030	VH030	VH030	NVEHICLE01	80	Depot Depots 001
010	MINHVH002	NVEHICLE01	MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVH002	MINHVH00			
018	HB001	R.	HB001	HB001	HB001	HB001	HB001	HB001	HB001		Mahiatan Funkunt	
080	CHAUVH001	CHAUVH001		CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVH001	CHAUVHO(		Venicies Evaluat	00
												⇒ Accept
				Vehicles					~	Vehicle Core Days	Extra Days Las	st Trip Date
Vehicle Status Color									Columns			
/ehicle	06/02/2023 (Hold 1)	06/05/2023 (Hold 2)	06/06/2023 (Hold 3)	06/07/2023 (Plan)	06/08/2023	06/09/2023	06/12/2023	06/13/2023	06/14/2023			
HB001		V072							1			
HB001	018		018	018	018	018	018	018	018			
CHAUVH006											Loading	
CHAUVH007											Looung	
H2												
H4												
MEHICLEO1		010										

## **Daily Rollover for Assignments**

- 1. At 23:00 PM every day, rollover triggers to recalculate the Planned
  - 1. Any Invalid assignment or substitution will be removed
- 2. Valid assignment or substitution
  - 1. Have enough availability time for that route cover
    - a. Meet the From Time, To Time, Frequency
    - b. Vehicle Availability Time = 24h assignments time outofServiceTime
    - c. If after the projected end date, the vehicle still does not have actual end time, It is considered as out of service for the next all window dates.
  - 2. The Vehicle Capacity must equal or greater than the Route Cover Load
  - 3. Vehicle Depot must match the Route Cover start Depot

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- a. They must be the same if they are not null
- 3. When a Vehicle get Out of Service, the system will check the Valid of its assignment and substitution on the table and recalculate related Assignment Route instantly
- 4. New latest Assignment will be affected after rollover triggering

# Support real-time update

1. Multiple users can view real-time update made by others