

Waste and Recycling Service Verification Guide

Contents

Manage Routes

Route Manage	۶۲	3
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Route & Service Verification Tools in 360

Tracking Page	10
Dispatched Routes	11
Route Manager	12

Monitor Service Events in 360

Service Events	13
Visualizing Service Events on the map with Replay	13
Reviewing Service Events as compared to a Scheduled Route	15

Helper Truck Service

Helper Trucks/Replacing a Truck on a Route	.17
Pre-Route Assignment Changes	.17
Mid-Route Assignment Changes	.18

Route & Service Verification Reports

Manage Routes

Route Manager

The **ROUTE MANAGER** is the master record for route details and scheduling in 360. To get there, hover over the ADMIN tab and click **ROUTE MANAGER**.

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304R 305R	WN105121	6.90 AM	6.08 PM	12:00	1221	11/2/2020 6:00:00 AM 11/2/2020 6:00:00 AM	1/25/2021 6:00:00 AM 1/25/2021 6:00:00 AM
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313R	WN105135	6:00 AM	600 PM	12:00	1155	11/2/2020 6:00:00 AM	1/25/2021 6:00:00 AM
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318R	ma109144	6:00 AM	6:00 PM	12:00	455	11/2/2020 6:00:00 AM	1/25/2021 6:00:00 AM
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Once you have established your routes in 360, you will be able to easily adjust scheduling, assign routes to appropriate vehicles, and add/edit/remove addresses.

Prior to establishing your routes in 360, you will need to define a **COMPLETION PROFILE**, which determines how your service locations are statused (Complete, Exception, Missed). To set up your completion profile, click **GENERAL SETTINGS** in the top left hand corner of the **ROUTE MANAGER** page.

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Name	Vehicle Name		Start Time		End Time	Duration	No. of items
5R16R	WM106374		6:00 AM		6:00 PM	12:00	958
5R02R	WM105136		6:00 AM		6:00 PM	12:00	1059
5R10R	WM105142		6:00 AM		6:00 PM	12:00	1080
5R14R	WM106373		6:00 AM		6:00 PM	12:00	1098
5R21R	WM105141		6:00 AM		6.00 PM	12:00	678
5R03R	WM106081		6:00 AM		6:00 PM	12:00	991
5R04R	WM105131		6:00 AM		6.00 PM	12.00	1350
5R12R	WM105130		5:00 AM		6:00 PM	12:00	1121
5R15R	WM105133		6:00 AM		6:00 PM	12:00	1011
5R17R	WN#105144		6:00 AM		6.00 PM	12:00	912
5R20R	WM104795		6:00 AM		6:00 PM	12:00	1080
5R09R	WM105140		6:00 AM		6:00 PM	12:00	1204
5R11R	WM105145		6:00 AM		6:00 PM	12:00	1067

Upon clicking **GENERAL SETTINGS**, you will reveal the **COMPLETION PROFILE EDITOR** where you can add/edit/remove your service definitions. Follow the steps below to create your first completion profile:

Start Time	Route Template Settings					Previous run date
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6.00 AM	Completion Profile	the second se	t Profile 💮 Remove Profil			1/22/2021 6:00:00
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Name Type	Demo Definition				
Туре	~				
	Digital I/O				
	Geofence				
	RFID				
	Proximity				
Definition group	Individual				

You may choose from 4 definitions:

Digital I/O – requires an event (typically a lift arm or PTO) within a specified distance of your service location to mark it as complete.

Geofence – requires entry/exit by a vehicle to a perimeter established in the **LOCATION MANAGER** to mark service as complete.

RFID – requires a RFID tag read to mark service as complete.

Proximity – requires the vehicle to travel within a specified distance of the service location to mark it as complete.

Your completion profile can be an **INDIVIDUAL** definition (only one requirement), or a **GROUP** of definitions to status a service location on a route (for example, RFID and Proximity).

Once your **COMPLETION PROFILE** is set up, you can ADD a new route by clicking **ADD ROUTE TEMPLATE** on the main **ROUTE MANAGER** page.

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	Active Routes	✓ All Vehicles	Y D Sear	ch 🛛 🛛 🛇 Clear	
• Add Route Template	Edit Route Template I Register Regis	emove Route Temp	late 🔘 Copy Route Tem	plate 🎤 Import Route Template(s)	5
Name	Vehicle Name		Start Time	End Time	
	Vehicle Name WM106374		Start Time 6:00 AM		
5R16R				End Time	
5R16R 5R02R	WM106374		6:00 AM	End Time 6:00 PM	
5R16R 5R02R 5R10R	WM106374 WM105136		6:00 AM 6:00 AM	End Time 6:00 PM 6:00 PM	
Name 5R16R 5R02R 5R10R 5R14R 5R21R	WM106374 WM105136 WM105142		6:00 AM 6:00 AM 6:00 AM	End Time 6:00 PM 6:00 PM 6:00 PM	

The 4-step Route Template Wizard will walk you through the required settings including Vehicle Assignment, Completion Profile assignment, start and end times for the route, the route addresses, and of course the schedule for the route.

Add Route Template									
Step 1 of 4:	Fleet	All Vehicles		~	Vehicle	Unass	sigi	ned	*
Route Template Configuration	*Na	me	Demo Route						
	* Co	mpletion Profile	Demo					*	
	Star	t Time	06:00			A	4	*	
	End	Time	06:00			PI	4	*	
	Cult	ure	en-US					~	
	Time Zone		(UTC-05:00) Eastern Time (US & Canada				*		
	Unit	System	Company					*	
	Acti	ve	V						
	Core	etex DRIVE Enabled							

Keep in mind that in order for your routes to be statused properly, they will **need to be assigned to the vehicle** running the route.

Upon initial setup, you may want to load your routes using our **BATCH IMPORT** capability. The first step in this process is to ensure that you have your **ROUTE TEMPLATES** set up in a CSV file, using the format provided below:

	А	В	С	D	E
1	NAME	VEHICLENAME	STARTTIME	ENDTIME	COMPLETIONPROFILE
2	R100A	ASL100	6:00am	5:00pm	Comp1
3					
4					
5					

When you have your CSV file prepared, you can click **ADD ROUTE TEMPLATE** on the main **ROUTE MANAGER** page to start the import tool. You can also find an example CSV file format by clicking **DOWNLOAD TEMPLATE** in the import tool.

 Close /* General 	Settings					
Search for Word(s)	Route Status Fle		Search 🗍 🗢 Clear			
 Add Route Template 	🐔 Edit Roste Template 🛛 0. Remove F	toute Template 🔅 Copy Rout	e Template 🚽 (Import Route Templete(s) 🦪	Cirrate Route		
lame	Vehicle Name	Start Time	End Time	Duration	No of items	Previous r
SR16B	WM106374	6.00 AM	6:00 PM	12.00	958	1/22/2021
5802月	WM105136	6:80 AM	6:00 PM	12:00	1059	1/22/2023
SRIOR	W6/105142	6:00 AM	6:00 PM	12:00	1000	1/22/2021
5R148	W&106373	6:00 AM	6:00 PM	12:00	8801	1/22/2021
5R218	WM106141	6:00: AM	6:00 PM	12:00	678	1/22/2021
5803R	WM106081	6:00 AM	Route Template		×	1/22/2021
5R048	WM105191	6:00 A51				1/22/2021
5812R	WM105100	6.00 AM	Choose File No file chosen		Download Template	1/22/2021
58168	WM705138	0.00 808				1/22/2023
5R17R	WM105144	6.00 AM	Field Mapping Template New T	Template	Mew/Edit	1/22/2021
5R20R	W0J104795	6:00 AM				1/22/2021
5R09R	WIJ105140	6:00 AM		Impo	rt Gancel	1/22/2021
8118	Wia105145	6:00 AM	0/00 Pill	12.00	ruo/	1/22/2021
SRÓSR	WM105668	6:00 AM	6:00 PM	12.00	1.671	1/22/2021
snach	WM105137	6:00 AM	6:00 PM	12:00	1076	1/22/2021
SROBR	W/M165132	6:00 AM	6:00 PM	12.00	1226	1/22/2021

ute Template			
Choose File 3r20r.csr		Down	oad Template
Field Mapping Template	New Template	~	New/Edit
		Import	Cancel
		()	To Day

To load your CSV file and establish your route templates, click **CHOOSE FILE**, select your CSV file, then click **NEW/EDIT** to create or assign the correct **FIELD MAPPING TEMPLATE**.

Template Name	Demd	
Import Data Field	ds	Template Data Fields
Name	Mapped to	Name
NAME		NAME
VEHICLENAME		VEHICLENAME
STARTTIME		STARTTIME
ENDTIME		ENDTIME

This is the way we ensure that each column in your CSV file is assigned to the correct field in the Route Manager. Click, hold, and drag the correct **TEMPLATE DATA FIELDs** to the appropriate **IMPORT DATA FIELDS**. Be sure to click **SAVE AND CONTINUE**, and your Route Templates will be loaded and ready for Route Address import.

	Setlings				
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Name	Vehicle Name	Remo	Start Tir	ne I	Route Temp
Name SR10R	Vehicle Name WM105374	Remo	Start Tir 6.00 AN	ne I	Noute Temp

Once your route templates have been established, you can select a route and click **EDIT ROUTE TEMPLATE** to add daily, weekly, or monthly schedules and add Route Addresses.

Edit Route Template	*.441 × 141 × 8	inter () Capy () Married	p & How Dovri 🖉 Impot
Raude Template News	Degentor # +	7/04	Description
	1	#okheun	100 DONLEE ON DHARLOTTE 202
	2	Albheis	109 MARGARET TURNER RD CH.
	3	Address	1035 FLATE DR SHARLSTEE DE
	4	Addens	1001 PEAC-ITREE AD CHARLOTT
	3	Address	1033 HIPP PD CHARLOTTE 28216
	0	Address	1000 KORP ND CHARLOTTE 20210
	7	Address	1010 HATTO DR OHARLOTTE 20.
	8	Address	1097 KORP RD CHARLOTTE 28215
	. 9	Address	1007 PEAC-ITREE RD CHARLOTT.
	10	Address	1000 RAVENDALE DR CHARLOTT .
	11	Address	1005 MATTO DR CHARLOTTE 26.
	10	Address	1000 JAANLO OT CHARLOTTE 202.
	10	Address	1010 JAMAES ST CHARLOTTE 1992.
	14	Address	1011 HIPP RD CHARLOTTE 29216
	16	Address	1012 HEPP FID KINA PLOTTE 20214
	10	Address	1014 IOATTS DISCHARLOTTS 28.
	12	Rodrees	1016 HIMP AD CHARLOTTE 22216
	19	Address	TOTO HIPPIED OWNEDTTO 20216
	10	Address	1016 JAMES ST CHARLOTTE SS2
			-Previous Nexts Earopei

Upon clicking **EDIT ROUTE TEMPLATE**, you will be guided through the Route Configuration Wizard just as you would upon adding the Route initially. In step 2, you are asked to add Route Addresses or "Route Template Items". You can do this individually, but we recommend adding all route addresses in bulk for the specified route by clicking **IMPORT**. For bulk address import, you will need to have each route available in CSV format using the template below as your guide. Similar to the **ROUTE TEMPLATE IMPORT**, you can find an example CSV file format by clicking **DOWNLOAD TEMPLATE** in the import tool.

1	A	В	C	D	E	F	G	Н	1
1	ITEM_TYPE	SEQUENCE_NUM	ADDRESS	LAT	LON	GEOFENCE	PRODUCT_TYPE	PRODUCT_NAME	RFID_TAG
2	ADDRESS	1	15110 Avenue of Science, San Diego, CA 92128	32.989634	-117.081441		96 Gallon Cart	Resi Recycling Cart	H01234567890
3									

Keep in mind that not all fields are required. At a minimum, you need to provide **ITEM_TYPE** (Address or Geofence) and either **ADDRESS** or **GEOFENCE** name, depending on **ITEM_TYPE**.

Once you have created your route template and have added the route addresses, you will need to ensure that you have assigned the appropriate vehicle and have set up the recurring schedule. Now your route is ready for live statusing and analysis the next time it runs.

Should you find that you need to run an existing route "off-schedule" (one time variance from the existing schedule), you may do so by selecting the route from the list in the Route Manager and clicking **CREATE ROUTE**. This will bring up the details for the selected route, and allow you to make necessary changes prior to saving and adding this route to the current day's active route list.

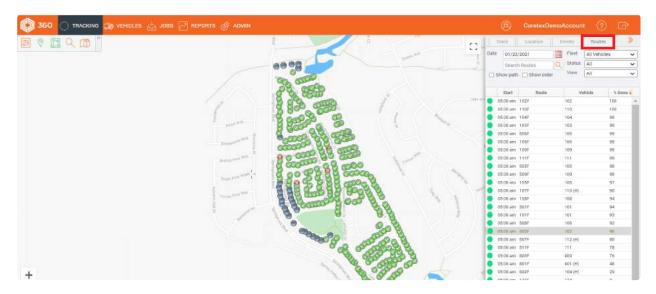
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10678	W08105137	8:00 AM		6.00 PM	12:00	950		10/14/2020 6:00:00 AM	2/3/2021 600/00 AM	
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09.R	W64300140	10 100 AAA	isale rouie					10/14/2010 0.00 00 AM	2/3/2021 5 00 00 444	
109	1074105142	5 MA (20 E	General	Fleet All Vehicles	♥ Vehicle 111	1105134	*	10/14/2020 6:00:00 AM	2/3/2021 5:92:00 AM	
\$191	WM10914E	16 NO AU		*Namé				10/14/2028 6:00:00 AUF	2/3/2021 6:00:00 AM	
128	wardstaa	5 100 AV.8			4001R				2/3/2923 6:90:00 AtA	
538	WW/106138	10:00 AM		* Completion Profile	Event + Prox M			10/14/2020 5:00:00 and	2/2/2925 0:00 00 AM	
144	W##166378	10:00 AM		Start Time	6:00 AM M		1	15/14/2026 5 00:00 AM	178/2011 h 00:00 AM	
EDR .	Wattestas	1011Q-AAA		Exd Time				10/14/2020 6 00:00 304	2/3/2023 0:00:00 A14	
niili	WM8106574	5:00 AM		Contrast.	6.00 P14 M		10	10/14/2020 6 00:00 AM	2/1/2021 5:00:00 AM	
1578	W/W166144	FEID AM						10/14/2028 6:00:00 AM	2/3/2021 E-90-00 AM	
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ien N	WWHIGESE	6.90 AM		0.00-PH	12:00	195		1/20/2021 0:00:00 AM	1/27/2021 E-00/00 AM	
22A	WW199143	16.00 (47.4		ESR PU	12:00	177			1/27/2021 €:00:00 will	
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IDT III	W18100134	- 800.MI		6.00/711	12.05	- 3112		10/22/2020 K 00 90 AM	1/10/2011 8-0010 AM	
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038	WM100083	10.00 AM		0.00 714	12:00	1145		10/22/2020 0 00 00 AM	1/28/2021 0.00-00 AM	
(si R	W##106131	0.00 414		6.00 PM	1200	1204		10/22/2026 6:00/00 AL4	1/28/2021 6:00 80 MM	
058	WMI105658	5:00 AM		6.00 PM	12:00	1057		10/22/2020 6 00:00 AM	1/16/3021 6:00:00 AM	
Dáñ	W04105137	8.00 AU		6.00 PM	12:08	1108		10/22/2026 6:00:00 AUR	1/35/2021 6:00 60 AM	
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ante	W##105132	8.90 414		0.00 FM	12.00	1308			1/28/2021 8:02:00 #M	



Route & Service Verification Tools in 360

Tracking Page

On the default home page (the Tracking page), click the "**ROUTES**" tab in the tracking sidebar to reveal the active routes (scheduled to be serviced on the current day), the vehicle assigned to that route, and % Done. Using the Date filter in the tab header will also allow you to view historical routes. Clicking a route will display each service location as a color coded icon on the map. Green = Complete, Grey = Pending (or incomplete), Red = Exception.



Zoom in on your route to view details in standard and satellite mapping views. Hovering over a **service location** will show the details for that stop including service status and completion method (if applicable).

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Double click on the route (in the Routes tab of the tracking sidebar) to see Route Details. Navigate the tabs to view specific details including a Status Graph depicting progress vs. expectation, Status of the individual service locations, and History of the route over the prior 5 weeks.

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Status Graph Status History			05:00 am 102F	102
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41 1325 ASTER LN. LIVERMORE, CA 94561	10.49 AM	Complete +	🔵 DE 00 am 109F	109
42 1328 RHCOODENDRON DR. LIVERMORE, CA 94551	10.25 AM	Complete	05:00 Am 506F	106
43 1330 MORNING OLDRY CIR. LIVERMORE, CA 94551	10.15 AM	Complete	05:00 am 106F	106
44 1337 MORNING GLORY CIR, LIVERMORE, CA 94551	7.20 AM	Exception	05:00 am 109F	109
45 1338 ASTER LN. LIVERMORE, CA 94551	10:48 AM 03:28	Complete	05:00 arv 111F	313
46 1339 ASTER LN. LIVERMORE, CA 94551	10:49 AM	Complete	0 005:00 um 305F	105
47 1342 MORNING GLORY CIR, LIVERMORE, C4 94551	10.11 AM	Complete	05.00 am 309F	105
48 1346 ASTER LN, LIVERMORE, CA 94651	10:48 AM 00:37	Domplete	05.00 am 105F	105
49 1347 ASTER LN, LIVERMORE, CA 94551	10:48 AM	Domplete	05:00 am 107F	110.04)
50 1349 MORNING OLDRY CIR, LIVERMORE, CA 94551	10:11 AM	Complete	03:00 am 100F	168
51 1352 ASTER LN, LIVERMORE, CA 94551	10:48 AM 00:37	Complete	DE 00 am 501F	161
52 1354 MORNING GLORY CIR, LIVERMORE, CA 94551	10:16 AM	Complete	9 05:00 am 101F	101
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Dispatched Routes

Hover over the **JOBS** tab and click on Dispatched Routes to see Route Performance History, Work Order History, and to search for Service Verification by address, RFID tag or customer.

Rostes Work Orde	a Service Verification									
	it Tostarte vernoanne	Dispatched I								
Search Route Name:		Vehicle:	Dete., 01/16/2821	To: 01/22/2021	P Search ⊕ Clear (_)€	sport				
ioute Name	Vehicle Name	Scheduled Start Time	Actual Start Time	Scheduled End Time	Actual End Time	Duration	Stops	Completions	Exceptions *	Completed
802M	902	1/18/2021 5:00:00 AM	1/18/2021 5:22:43 454	1/18/2021 5:00:00 PM	1/18/2021 10:40:45 AM	05:18	1134	964	166	96
0214	802	1/20/2021 5:90:00 AM	1/20/2921 5:28:07 AM	1/20/2021 5:00:00 PM	1/20/2021 10:25:10 AM	04:57	1160	908	85	91
02H	812	1/21/2821 5:00:00 AM	1/21/2021 5:94:51 AM	1/21/2021 5:00:00 PM	1/21/2021 10:00:26 AM	04.55	1010	822	75	89
102T	802	1/19/2021 5:00:00 AM	1/19/2021 5:23:48 AM	1/19/2021 5:00:00 PM	1/19/2021 11 45:14 AM	06:23	932	834	57	96
saaw	100	1/20/2021 5:00:00 AM	1/20/2021 5 31.43 AM	1/20/2021 5 00:00 PM	1/20/2021 1 27 34 5%	07.05	500	431	40	90
0614	106	1/18/2021 5:00:00 AM	1/18/2021 5:21:58 AM	1/18/2021 5:00:00 PM	1/18/2021 12:33:31 PM	07:12	459	422	33	99
1007	106	1/19/2021 5:00:00 AM	1/19/2021 5:22:26 AM	1/19/2021.5:00:00 PM	1/19/2021 10:04:30 AM	04:42	413	380	28	99
06H	105	1/21/2021 5:00:00 AM	1/21/2021 E-05:26 AM	1/21/2021 0:00:00 PM	1/21/2021 12:19:27 PM	07:14	479	424	27	94
оен	106	1/21/2021 5:00:00 AM	1/21/2021 5:03:17 AM	1/21/2021 5:00:00 PM	1/21/2021 2:35:29 PM	09:32	504	462	25	97
0614	105	1/18/2021 5:00:00 AM	1/18/2021 5:22:04 AM	1/18/2021 5:00:00 PM	1/18/2021 11 07:50 AM	05:45	460	417	25	96
OST	105	1/19/2021 5:00-00 AM	1/19/2021 5 22 69 6M	1/19/2021 5 00:00 PM	1/19/2021 11 40-47 453	05.18	deb	205	24	99
06F	105	1/22/2021 5:00:09 AM	1/22/2021 5:03:35 AM	1/22/2021 5:00:00 PM	1/22/2021 9:40:02 AM	04:37	387	154	22	97
V05W	105	1/20/2021 5:00:00 AM	1/20/2021 5:57:05 AM	1/20/2021 5:00:00 PM	1/20/2021 10:11:29 AM	04:14	373	351	22	100
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01#	101	1/21/2021 5:00:00 AM	1/21/2021 5:05:02 AM	1/21/2021 5:00:00 PM	1/21/2021 10:57:29 AM	05:52	410	379	21	95
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00F	106	1/22/2021 5:00:00 AM	1/22/2021 5:03:41 AM	1/22/2021 5 00:00 PM	1/22/2021 10:49:31 AM	05:45	355	801	20	99
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007	106	1/19/2021-5:00:00 AM	1/19/2021 5/22:59 AM	1/15/2021 5 00:00 PM	1/19/2021 12:35:19 PM	07:13	410	892	19	99
118	111	1/21/2021 5:00:00 AM	1/21/2021 5:05:03 AM	1/21/2021 5:00:00 PM	1/21/2021 11:25:25 AM	06:19	458	435	17	99
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2914	109	1/18/2021 5:00:00 AM	1/38/2021 5.21:53 AM	1/16/2021 5 30 00 PM	1/18/2021 12:05:53 PM	05.42	425	400	14	98
01W	101	1/20/2021 5:00:00 AM	1/20/2021 5 28:36 AM	1/20/2021 0.00.00 PM	1/20/2021 9:28:37 4/4	84.00	409	386	11	98
09Н	109	1/21/2021 5:00:08 AM	1/21/2021 0.05:53 AM	1/21/2021 5:00:00 PM	1/21/2021 8:43:55 4//	03:35	447	431	12	99
100F	106	1/22/2021 5:00:00 AM	1/22/2021 5:04:52 AM	1/22/2021 5:00:00 PM	1/22/2021 11 45:21 AM	06:41	398	360	11	94
11W	111	1/20/2821 5:00:00 AM	1/20/2021 5:29:57 AM	1/20/2021 5:00:00 PM	1/20/2021 10:40:21 AM	05:11	468	440	11	96

Route Manager

Hover over the **ADMIN** tab and click on Route Manager to view, add, edit or remove scheduled routes. You can also activate a route scheduled for a different day by selecting the route you want to activate and clicking "Create Route".

e Close 🎤 Genera	Settings		Location Manager					
Search for Word(s)	Route Status Fi	ret I Vehicles	Route Manager					
	Chandemoter (11-0)	energia de la com	User Manager					ane -
Add Route Template	🖉 Edit Route Template 🗢 Remove	Route Template 🗇 Copy Poute	Template 🥒 Import Route Template(s) 🗧	Create Route			,	Total: 2
iame	Vehicle Name	Start Time	End Time	Duration	No. of nems	Previous run date =	Hext Bun Date	
G078	WM105138	6:99 AM	7:00 PM	13.00	1129	1/27/2021 6:00:00 AM	2/10/2021 0:00:00 AM	
GOIR	WM106582	6:00 AM	7:00 PM	13:00	909	1/27/2021 6:00:00 AM	2/10/2021 6:00:80 AM	
902R	WW/105136	6:00 AM	7:00 PM	13.00	983	1/27/2021 6:00:00 AM	2/10/2021 0:00:60 AM	
B178	WMI105144	6:00 AM	7.00 PM	1200	689	1/27/2021 6:00:00 AM	2/10/2021 6:00:00 AM	
016R	WM106374	6:00 AM	7:00 PM	13:00	832	1/27/2021 6:00:00 AM	2/10/2021 6:00:60 AM	
013R	WM105125	0.00 AM	7/20.PM	10:00	1076	1/27/2021 6:00:00 AM	2/10/2021 6:00:00 AM	
511R	WM105145	0.00 AM	7.00 PM	13:00	1007	1/27/2021 6:00:00 AM	2/10/2021 6:00:00 AM	
903R	WM105132	0.00 AM	7.00 PM	13.00	930	1/27/2021 0:00:00 AM	2/10/2021 6:00:00 AM	
809R	WM4105140	6.00 AM	7.06 PM	13:00	945	1/27/2021 6:00:00 AM	2/10/2021 6:00:00 AM	
G20R	WM106081	6:00 AM	7:00 PM	13.00	944	1/27/2021 6:00:00 AM	2/10/2021 6:00:80 AM	
3:22A	wwi105143	6:00 AM	6:00 PM	12:00	1115	1/27/2021 6:00:00 AM	2/3/2021 6:00:00 AM	
205R	WM306337	10.00 AM	7:00 PM	12.00	893	1/27/2023 6:00:00 AM	3/10/3021 6:00:00 AM	
908R	WW1105129	0.90 AM	7:00 PM	13:00	1054	1/27/2021 0:00:00 AM	2/10/2021 6:00:00 AM	
915R	WM105133	0.90 AM	7:06 PM	13.00	973	1/27/2021 0:00:00 AM	2/10/2021 6:00:00 AM	
321 R	WM105134	6:00 AM	6:00 Pt/	12.00	869	1/27/2021 5:00:00 AM	2/3/2021 6/02/08 AM	
310R	WM105142	6:00 AM	7:00 PM	13:00	666	1/27/2021 6:00:00 AM	2/10/2021 6:00:00 AM	
914R	WM106373	6:00 AM	7.00 PM	13:00	959	1/27/2021 5:00:00 AM	2/10/2021 6:00:00 AM	
304Ħ	WW105131	6:00 AM	7:00 PM	13.00	1003	1/27/2021 0:00:00 AM	2/10/2021 6:00:00 AM	
912R	WM105130	0.00 454	7:00 PM	18:00	1092	1/27/2021 6:00:00 AM	2/10/2021 6:00:00 AM	
905R	WW105139	6.00 AM	7:00 PM	13.90	951	1/27/2021 0:00:00 AM	2/10/2021 6:00:00 AM	
319R	WH963429	6:00 AM	7:00 PM	13.00	204	1/27/2021 6:00:00 AM	2/10/2021 6:00:00 AM	
318R		6:00 AM	7:00 PM	13.00	258	1/27/2021 6:00:00 AM	2/10/2021 6:00:00 AM	
121.9	WM106582	B/02 AM	6.00 PM	12.00	893	1/27/2021 9:00:00 AM	2/3/2021 5:00:00 AM	
R22R	W5/105143	0:09 AM	6:50 PM	12:00	577	1/27/2021 5:00:00 AM	2/3/2021 5:00:00 AM	
021R	WM106582	6:90 AM	6:00 PM	12:00	862	1/26/2021 6:00:00 AM	2/9/2021 6:00:00 AM	
1916R	WW/100374	6:00 AM	6:00 PM	12:00	1977	1/26/2021 5:00:00 AM	2/9/2021 5:00:00 AM	



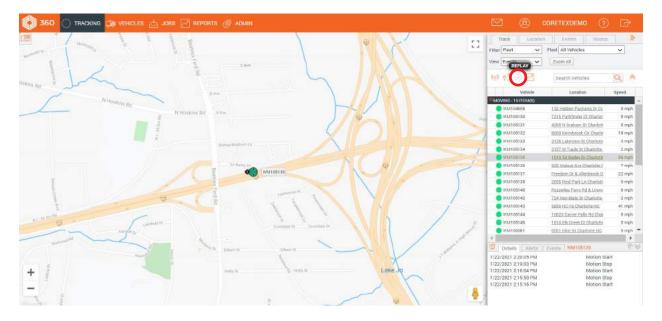
Monitor Service Events in 360

Service Events

Coretex empowers customers to monitor several types of service events which denote completion of service and exceptions on assigned routes. Examples include Lift Arm events, Parking Brake events, PTO, and RFID reads. Customers can review these events in multiple ways.

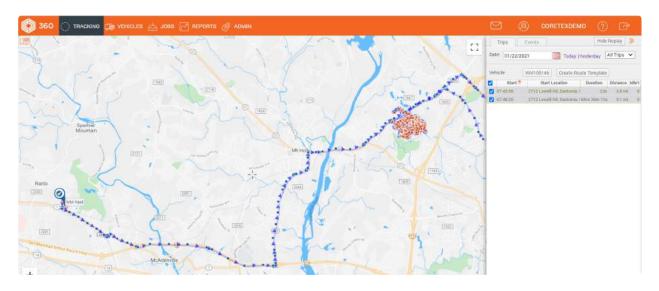
Visualizing Service Events on the map with Replay

On the Tracking Page, you can easily run a replay by selecting the vehicle and clicking the **REPLAY** icon just above the vehicle list.

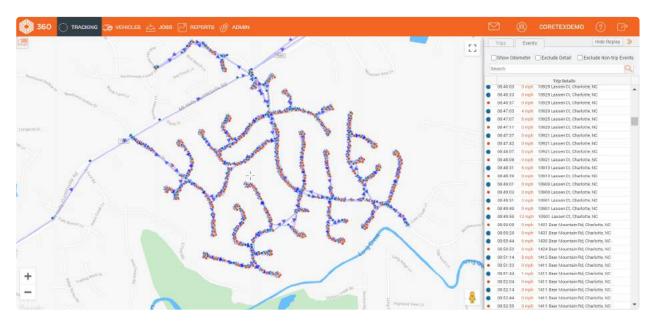


Once you click "**REPLAY**", the grid will reveal each "**TRIP**" for your vehicle on the current day (with the option to select past dates as well). A "**TRIP**" is simply the period between ignition **ON** and ignition **OFF**. There may be many trips during your selected day, so if you are interested in a visual representation of the vehicle's entire day, be sure to check all boxes.

The map will reveal all position data collected from the vehicle on the selected trips. Basic position data will be represented by a blue dot while **SERVICE EVENTS** will be represented by a red dot. This allows you to identify areas with high volumes of service, especially with high density residential routes.



Users can view all positions and events in chronological order (for the selected replay) by clicking the **EVENTS** tab in the tracking sidebar.



	🖂 🙉 советехоемо 🕐 🕞
	Trips Events Hide Replay
	Show Odometer Exclude Detail Exclude Non-trip Event
	state in the second state in the second state of the second state of the
Suman Acts Ch	Search
	Trip Details
	TRIP 1 [07:43:56 - 07:48:13]
	Trip begin at 07.43:56 0 mph 2712 Lowell Rd, Gastonia, NC
	Trip end at 07:44:19 0 mph 2712 Lowell Rd, Gastonia, NC.
	TRIP I NON-TRIP EVENTS
	 07:44:37 0 mph 2712 Lowell Rd, Gastonia, NC
	 07:44:54 0 mph 2712 Lowell Rd, Bastonia, NC
	 07:45:10 0 mph 2712 Lowell Rd, Bastonia, HC
10 A	 07.46:29 0 mph 2712 Lowell Rd, Gastonia, NC
	 07:46:55 0 mph 2712 Lowell Rd, Gastonia, NC
- 3	 07:47:41 0 mply 2712 Lowell Rd, Gastonia, NG
J 8	07:48:13 0 mph 2712 Lowell Rd, Bastonia, NC
· · · · · · · · · · · · · · · · · · ·	TRIP 2 [07:48:20 - 14:24:33]
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Trip begin at 07.48.20 0 mph 2712 Lowell Rd, Gastonia, NC
se de 🖉 🕴 👘 🖉 👘 👘	 07:59:35 0 mph 2712 Lowell Rd, Gastonia, NC
Constant in the second s	08:30:04 0:mpN 1604 Hannibal Ct, Charlotte, NC
1	 08:30:30 0 mph 1604 Hannibal Ct, Charlotte, NC
	 08:31:41 0 mph 1612 Hannibal Ct, Charlotte, NC
~ *	eventite • 08.32.31 0 mph 1613 Hannibal Ct, Charlotte, NC
1	 08:34:32 0 mph 1700 Bianca Ct, Charlotte, NC
	08-35:04 0 mph 1708 Bianca Ct, Charlotte, NC
	08:35:54 0 mph 1708 Bianca Ct, Charlotte, NC
	08:38:00 0 mph 1708 Bianca Ct, Charlotte, NC
	 08:38:16 0 mph 1708 Віалса Ст. Charlotte, NC
	 D8:39:25 0 mph 1700 Bianca Ct. Charlotte NC

Users can click the box to "Exclude detail" (timed positions), revealing only events such as Ignition **ON**, Ignition **OFF**, Engine Idle, Service Events and RFID reads.

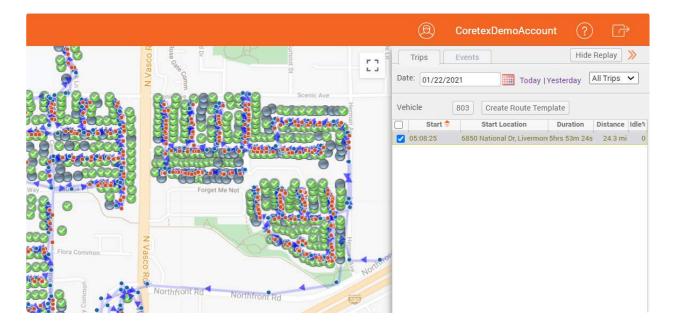
Hover over an event for a description, and click on an event to center the map on the location that event occurred.

Reviewing Service Events as compared to a Scheduled Route

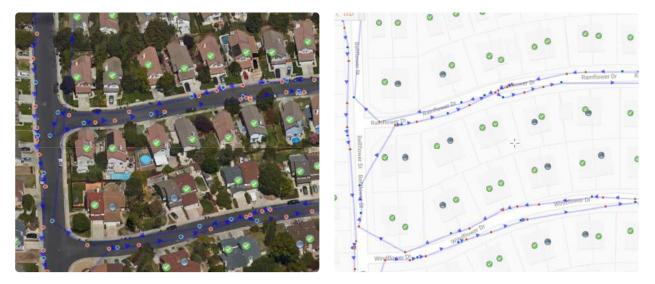
Users can layer a **REPLAY** over a Route for added clarity when verifying service visually. First, click the "Routes" tab in the tracking sidebar to reveal the active routes (scheduled to be serviced on the current day). Using the Date filter in the tab header will also allow you to view historical routes. Select the preferred route to display it on the map.

	Σ	3	(a) CORE	TEXDEM	0		虏
rum and		Track	Location	Events	Rout	es	>>
store A	Dat	01/22	2/2021	Fleet	All Veh	icles	~
	PH S	Searc	h Routes	Q Status	All		~
B		Show path	n 🗌 Show order	View	All		~
North Dakota St		Start	Route		Vehicle	% Dor	ne ᡩ
inan St B	•	06:00 am	4R06R	WM105	137	65	
N Hoskins Rd		06:00 am	4R09R	WM105	140	63	
N HOST	•	06:00 am	4R22R	WM105	143	59	
, uoskins Ro		06:00 am	4R08R	WM105	132	58	
NTI		06:00 am	4R17R	WM105	144	56	
		06:00 am	4R20R	WM106	081	53	
-1065 St. 165		06:00 am	4R04R	WM105	131	51	
A					242	122	

Once you have displayed your selected route, you can go back to the "Track" tab in the tracking sidebar and run a replay for the vehicle assigned to the selected route. This will allow you to see the route stops (with current status) and also the service events for a more detailed look at your truck's route performance.



Use the satellite map layer and the zoom feature to customize the interface based on your service verification needs.



Helper Truck Service

Helper Trucks/Replacing a Truck on a Route

The Coretex route verification process relies on the assignment of trucks to routes in order to verify service at each stop on the route. If a truck is unable to perform its route due to breakdown or other truck specific issue, you have the ability to assign a new truck to that route. If a truck is behind on its route, you may assign one or more "Helper Trucks" to the route so all service on the route is considered. There are 2 ways to go about managing your route assignments in 360.

Pre-Route Assignment Changes

If you need to change the truck assigned to a route **PRIOR** to the scheduled start of the route, you may do so in the **ROUTE MANAGER**. Hover over the **ADMIN** tab and click on "**Route Manager**". Select the route to reassign, and click "**Edit Route Template**".

🐵 Close 🥕 General S	ettings	Location Manager	
Search for Word(s)	Route Status Active Routes	Fleet All Vehicles	
_		User Manager	
Add Route Template	🖉 Edit Route Template 🛛 🛛 Remov	e Route Template 🛛 Copy Route Template 🥓 Import Route Te	mplate(s) ් Create R
Name	Vehicle Name	Start Time End Time	
102F	102	5:00 AM 5:00 PM	
101F	101	5:00 AM 5:00 PM	
104F	104	5:00 AM 5:00 PM	
	103	5:00 AM 5:00 PM	
103F	100		
103F 105F	105	5:00 AM 5:00 PM	
105F	第二日の	5:00 AM 5:00 PM 5:00 AM 5:00 PM	
105F 106F	105		
58540	105 106	5:00 AM 5:00 PM	

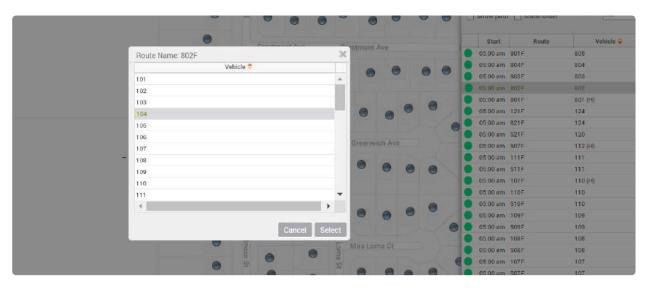
Clicking "Edit Route Template" will reveal the configuration wizard for the selected route. Here, you will be able to change the vehicle assigned to the scheduled route by clicking the down arrow next to the currently assigned vehicle. You may now assign a new truck to the route by selecting from the list. Once the new truck has been selected, click "Next" on the bottom right until you reach the 4th step of the configuration wizard, when you will click "Finish". You have now changed the truck assigned to this route. This truck assignment will remain until you use this method to change it again.

Vehicle Name Step 1 of 4: Piet All Vehicles vehicle Iod vehicle Prevenses run date Prev			Edit Route Template						
102 500 101 500 104 500 104 500 105 500 106 103 107 500 108 500 109 104 106 103 107 500 108 500 109 104 100 105 106 500 107 500 108 500 109 100 100 100 101 500 102 100 103 100 104 500 105 100 106 500 107 500 108 500 101 500 102 500 103 500 104 500 105 500 106 500 107	ite Template 🔍 Remove I	Route Template 🛛 🖓	Step 1 of 4:	Fleet All Vehicles	♥ Vehicle	106	~		
103 500 - 1,722,2021 ± 00,00 AM 104 500 - 1,222,022 ± 00,00 AM 106 500 - 1,722,022 ± 00,00 AM 106 500 - 1,722,022 ± 00,00 AM 107 500 - 1,722,022 ± 00,00 AM 108 500 - 1,722,022 ± 00,00 AM 109 500 - 4Ptenout 1,922,022 ± 00,00 AM 1,222,022 ± 00,00 AM 1,222,022 ± 00,00 AM 1,222,022 ± 00,00 AM 1,222,022 ± 00,00 AM 1,222,022 ± 00,00 AM 1,222,022 ± 00,00 AM 1,222,022 ± 00,00 AM 1,222,022 ± 00,00 AM 1,222,022 ± 00,00 AM 1,222,022 ± 00,00 AM 1,222,022 ± 00,00 AM 1,222,022 ± 00,00 AM	Vehicle hame 102 101 104 103 105 106 107 108 109 110 111 124 101	Start S 4 00:2 4 00:2 4 00:2 4 00:3 4 00:3 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		* Name * Completion Profile Start Time End Time Culture Time Zone Unit System Active	106F GARBAGE 5:00 c::US (UTC-00:00) Pacific Time (US Company I	Unessigned 101 102 103 104 105 106 107 108 109 110 111 111			1/22/2021 5:00:00 AM 1/22/2021 5:00:00 AM
109 500 Å	102 104 105 106 107	5 00 A 5 00 A 5 00 A 5 00 A 5 00 A 5 00 A					No.	-	1/22/2021 5:00:00 AM 1/22/2021 5:00:00 AM 1/22/2021 5:00:00 AM 1/22/2021 5:00:00 AM 1/22/2021 5:00:00 AM
	109			5:00 PM	12:00	serreutous 347		Cancer	1/22/2021 5:00:00 AM

Mid-Route Assignment Changes

If you need to change the truck assigned to a route **DURING** to the scheduled route, or if you need to add a truck to a route for additional service, you may do so by **ADDING A HELPER TRUCK**. On the Tracking page, navigate to the Routes tab and right click on the route needing assistance.

											0	CoretexDemo	Accoun	nt (?) 🕝	
۲		Oakmo	ont Cir		Oakmoi	nt Cir			Oakmor		Frack	Location	Events	Routes	s	»
۲	oor St	۲	۲	۲	0	•	۲	۲		Date	01/22	2/2021	Fleet	All Vehic	les	~
	Broadmoor										Searc	h Routes	Status	All		~
0	Bro	۲	•	•	۲	0	۲	۲	۲	<u> </u>	show path	n 🗌 Show order	View	All		~
•		Creation			0						Start	Route	v	ehicle 🍦	% Done	
	0		ont Ave		Cres	tmont A	Ave			•	05:00 am	801F	805		0	
0		104				-					05:00 am	804F	804		0	
	dn	•	•	•	•	•	•	•		•	05:00 am	803F	803		76	
	dmoor									•	05:00 am	802F	802		0	
	St	0		0				- 1			05:00	Assign Helper Truc	k		48	
		-	-		0	0			0 /	•	05:00 am		124		0	
							0		10	•	05:00 am	821F	124		0	
		Gre	enwich A	Ve					-		05:00 am	521F	120		0	



Click on "Assign Helper Truck", and you will reveal a vehicle list to select your "Helper Truck".

Once you have selected your Helper Truck, you will see a new active route in your Routes tab. The Helper Truck route can be identified by the (H) noted next to the truck name.

	1				
	way	Start	Route 🝦	Vehicle	% Done
	b 🦲	05:00 am	821F	124	0
Carocanaciono 8 8		05:00 am	804F	804	0
		05:00 am	803F	803	76
Son - Concerned H	Gold	05:00 am	802F	802	0
		05:00 am	802F	104 (H)	33
		05:00 am	801F	805	0
N 98 86 8		05:00 am	801F	801 (H)	48
		05:00 am	521F	120	0
	Treefic 🔴	05:00 am	511F	111	78
		05:00 am	510F	110	0
		05:00 am	509F	109	98
104	•	05:00 am	508F	108	92
		05.00	FARE	107	~

Once your Helper Truck has been assigned, the selected route will now consider service from both the originally assigned truck AND the Helper Truck. You may add as many Helper Trucks as necessary.

Route & Service Verification Reports

Reports

By clicking on the Reports tab in 360, you can **create** and **schedule** various reports which are grouped and listed with brief descriptions.

🚯 360 🔿 TRACKING 🚌 VEHICLES 🔒	🕁 JOBS 🥂 REPORTS 🧬 ADMIN					
Filter Records	Create					
Report Group: All Reports Description: • New Report • New Scheduled Report Name •	My Reports Shared Reports Scheduled Reports					
G Vehicle Reports (7 Items)						
ulu Excessive Idle Time L	ists vehicle excessive idle time events					
di. Incident	ncident information for selected vehicle within the report period					
du. Location L	ist Location (Geofence) activity for a vehicle. Can be for All Locations, a Group of location					
di. Sensor L	Lists digital input activity for a vehicle. Can be visualised by exporting to Google earth					

When you run a new report, the results will show as a page in your browser with the option to download the report in several formats.

	of 2 🕨	▶	Find	Next	Ц, -					
Travel	Report					KML				
naver	Report					Word				
Created Frida	y, January 22, 20	21 12:46:25 PM by	Coretex Demo			Excel				
						PowerPoi	nt			1/22/2021 12:46
Vehicle:	104		Start Time:	1/22	·	PDF			ime:	PM
Distance:	44.2 mi		Maximum Speed:	51 m		TIFF file			ge Speed:	6 mph
Driving Time:	7h 53m 3	355	Report Duration:	12h 4		MHTML (V	web archiv	/e)	on Off Time:	4h 52m 45s
						CSV (com	ma delim	ited)		
Date	Time	Event		Odome mi		CSVNoHe	ader		t	Suburb
						XML file w	vith report	data		
104										
1/22/2021	04:48:02 AM	Ignition On		57657	7.3	0.0	0.0	6850	National Dr **	Livermore
1/22/2021	04:48:32 AM	Timed Events		57657	7.3	0.0	0.0	6850	National Dr	Livermore
1/22/2021	04:49:03 AM	Timed Events		57657	7.3	0.0	0.0	6850	National Dr	Livermore
1/22/2021	04:49:34 AM	Timed Events		57657	7.3	0.0	0.0	6850	National Dr	Livermore
1/22/2021	04:50:05 AM	Timed Events		57657	7.3	0.0	0.0	6850	National Dr	Livermore
1/22/2021	04:50:36 AM	Timed Events		57657	7.3	0.0	0.0	6850	National Dr	Livermore
1/22/2021	04:51:07 AM	Timed Events		57657	7.3	0.0	0.0	6850	National Dr	Livermore
1/22/2021	04:51:38 AM	Timed Events		57657	7.3	0.0	0.0	6850	National Dr	Livermore
1/22/2021	04:52:09 AM	Timed Events		57657	7.3	0.0	0.0	6850	National Dr	Livermore

Below is a quick summary of the 5 most popular reports for our Waste and Recycling customers:

Travel Report

A user configurable history of vehicle activity including timed events (GPS position reports), motion start, motion stop, engine idle, inputs (Cart Dumped), RFID reads and much more.

Country Free		AND A FE TO BULL CORPTEX DENO					N
	- 11	2021 3:56:29 PM by CORETEX DEMO				1/22/2021 3:53	
Vehicle:	WM105	144 Start Time:	1/22/202	21 7:30 AM End Tir	ne:	PM	
Date	Time	Event	Odometer mi	Street	Suburb		
WM105144							
1/22/2021	07:30:14 AM	Motion Stop	129838.1	3712 Mt Holly-Huntersville Rd	Charlotte		
1/22/2021	07:30:24 AM	Motion Start	129838.1	3712 State Rd 2004	Charlotte		
1/22/2021	07:33:42 AM	Motion Stop	129838-1	2469 Mountain Park Dr	Charlotte		
1/22/2021	07:36:08 AM	Dumped	129838.1	2469 Mountain Park Dr	Charlotte		
1/22/2021	07:36:08 AM	H68860000000000004340605	129838.1	2469 Mountain Park Dr	Charlotte		
1/22/2021	07:36:44 AM	Motion Start	129838.1	2455 Mountain Park Dr	Charlotte		
1/22/2021	07:36:52 AM	Dumped	129838.1	2455 Mountain Park Dr	Charlotte		
1/22/2021	07:36:52 AM	H0000000000000000000000000000000000000	129838.1	2455 Mountain Park Dr	Charlotte		
1/22/2021	07:36:55 AM	Motion Stop	129838.1	2469 Mountain Park Dr	Charlotte		
1/22/2021	07:37:10 AM	Motion Start	129838.1	2455 Mountain Park Dr	Charlotte		

Route Status Report

Status info for each service location on a route including when the location was serviced, which truck serviced the location and method of verification (proximity, cart dump, tablet, RFID)

Route Sta	atus Report			CORETI
Created Friday, Jan	uary 22, 2021 3:58:28 PM by	CORETEX DEMO		
Start Date:	1/22/2021			
End Date:	1/22/2021			
Route Name:	4r17r			
Route Name:	4R17R			
Route Start Time	1/22/2021			
Vehicle Name	Status	Stops	Time Of Event	Verification Method
WM105144	Completed	2475 MOUNTAIN PARK DR CHARLOTTE	1/22/2021 7:36:08 AM	Cart Dumped
WM105144	Completed	2848 MT ISLE HARBOR DR CHARLOTTE 28214	1/22/2021 7:38:26 AM	Cart Dumped
WM105144	Completed	2903 MT ISLE HARBOR DR CHARLOTTE 28214	1/22/2021 7:38:26 AM	HD000000000000000048513 5
WM105144	Completed	2838 MT ISLE HARBOR DR CHARLOTTE 28214	1/22/2021 7:39:04 AM	Cart Dumped
WM105144	Completed	2843 MT ISLE HARBOR DR CHARLOTTE 28214	1/22/2021 7:39:05 AM	H0000000000000000047835 4
WM105144	Completed	2828 MT ISLE HARBOR DR CHARLOTTE 28214	1/22/2021 7:39:23 AM	Cart Dumped
WM105144	Completed	2833 MT ISLE HARBOR DR CHARLOTTE 28214	1/22/2021 7:39:23 AM	H0000000000000000000000000000000000000
WM105144	Completed	2823 MT ISLE HARBOR DR CHARLOTTE 28214	1/22/2021 7:39:54 AM	Cart Dumped
WM105144	Completed	2815 MT ISLE HARBOR DR CHARLOTTE 28214	1/22/2021 7:40:17 AM	H0000000000000000047842

Route Participation Report

Historical route report noting all participating service locations per route displayed as a percentage of the total route.

Route Pa	articipation	Report			CORETEX
Created Friday, Ja	anuary 22, 2021 4:00:16 P	M by CORETEX DEMO			
Start Date:	1/21/2021				
End Date:	1/22/2021				
Route Name:	All Routes				
Route Name:		4R01R			
Route Start Time	er	1/22/2021 6:00:00	АМ		
Total Route Part	icipation Percentage:	56			
Vehicle Name		# Complete	# Stops	Participation %	
WM105134		617	1102	56	
Route Name:		4R02R			
Route Start Time	8:	1/22/2021 6:00:00	AM		
Total Route Part	icipation Percentage:	57			
Vehicle Name		# Complete	# Stops	Participation %	
WM105136		654	1141	57	
Route Name:		4R04R			
Route Start Time	e:	1/22/2021 6:00:00	AM		
Total Route Part	icipation Percentage:	51			

Route Missed Stops Report

All service locations on a historical route NOT serviced or marked with an exception.

Route Miss	sed Stops	Report	C) co
Created Friday, Januar	ry 22, 2021 4:03:00 PM	by CORETEX DEMO	
Start Date:	1/22/2021		
End Date:	1/22/2021		
Route Name:	4r17r		
Route Name:	4R17R		
Vehicle Name:	WM105144		
Service Date	Sequence #	Address	
1/22/2021 6:00:00 AM	2	Address: 10010 GRANITE TRAIL LN CHARLOTTE 28214	
L/22/2021 6:00:00 AM	10	Address: 10209 BROKEN STONE CT, CHARLOTTE, NC 28214	
L/22/2021 6:00:00 AM	15	Address: 10314 CARVER FALLS RD CHARLOTTE 28214	
1/22/2021 6:00:00 AM	17	Address: 10322 CARVER FALLS RD CHARLOTTE 28214	
L/22/2021 6:00:00 AM	18	Address: 10326 CARVER FALLS RD CHARLOTTE 28214	
L/22/2021 6:00:00 AM	45	Address: 11011 ROZZELLES FERRY RD CHARLOTTE 28214	
1/22/2021 6:00:00 AM	46	Address: 11011 ROZZELLES FERRY RD CHARLOTTE 28214	
L/22/2021 6:00:00 AM	48	Address: 11125 ROZZELLES FERRY RD CHARLOTTE 28214	
1/22/2021 6:00:00 AM	50	Address: 11201 ROZZELLES FERRY RD CHARLOTTE 28214	
1/22/2021 6:00:00 AM	58	Address: 11219 STONY PATH DR CHARLOTTE 28214	

Route Exceptions Report

A history of route exceptions (Not Out, Contaminated, Blocked) including which truck noted the exception, time of the exception, and service address.

II	Find Next	. .	
Route Exce	eptions Report		
Created Friday, January	/ 22, 2021 1:14:02 PM by Admin User		
Start Date:	1/22/2021		
End Date:	1/22/2021		
Route Name:	All Routes		
Route Name:	101F		
Date:	1/22/2021		
Vehicle Name:	101		
Event Time	Location	Vehicle Name	Exception
1/22/2021 9:14:04 AM	1636 AUTUMN OAK DR, LIVERMORE , CA 94551	101	Exception (NOT OUT)
1/22/2021 7:26:08 AM	1980 PONDEROSA DR, LIVERMORE, CA 94551	101	Exception (NOT OUT)
1/22/2021 7:26:08 AM 1/22/2021 7:21:20 AM	1980 PONDEROSA DR, LIVERMORE, CA 94551 2035 MONTEREY DR, LIVERMORE, CA 94551	101	Exception (NOT OUT) Exception (NOT OUT)
1/22/2021 7:21:20 AM	2035 MONTEREY DR, LIVERMORE, CA 94551	101	Exception (NOT OUT)