UNITED STATES
POSTAL SERVICE

November 4, 2024

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NOV 0 6 2024

Mr. Ivan Butts
President
National Association of Postal Supervisors
1727 King Street, Suite 400
Alexandria, VA 22314-2753

Dear Ivan:

As a matter of general interest, the Postal Service will update the Mobile Delivery Device-Technical Refresh (MDD-TR) on November 18, 2024.

Release 8.10 includes the following:

- On Street Mode Indicator
- Adding New Service Type Code (STC)
- Allow over the air (OTA) Download of Service Performance Measurement (SPM) Request at Collection Boxes (No impact to user)
- S&DC Package Manifest File Download (No impact to user)

Enclosed is the final draft copy of the MDD-TR Release 8.10 talking points.

Please contact Bruce Nicholson at extension 7773 if you have questions concerning this matter.

Sincerely,

James Lloyd
Director
Contract Administration (NALC)

Enclosure

MDD TR Release 8.05

National: 09/30/2024

- Rural Carriers
  - RRECS Menu Enhancement
  - Certified Mail Notification
  - Return Receipt Notification
  - Reduce Duplicate RRECS Record Upload (No impact to user)
- Login/EIN Validation Enhancement
- Density Study Enhancement
- Eliminate Expired Messages From Display Upon login
- Eliminating Customer's Signature For Intl Parcels From Belgium
- Electric Vehicle Charging Activation
- Upload eArrow Lock CSV File to AWS (No impact to user)
- CPMS File Download Logic Update (No impact to user)

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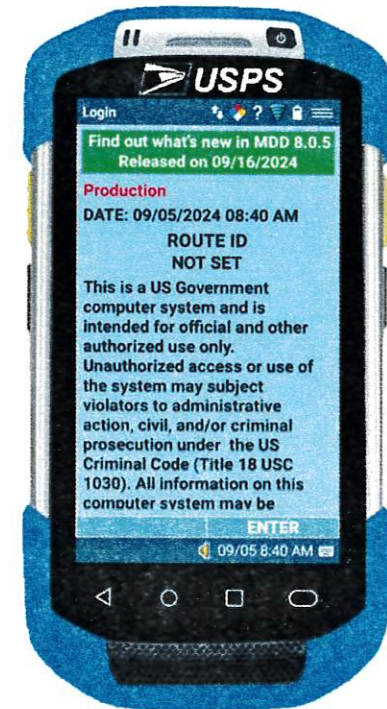
Background

Since the deployment of the RRECS activity guided menu, there have been improvements to the accuracy of the records for individual rural routes. One logic that was created was once "STARTLOADVEH" was selected, the only RRECS activity visible on the menu was "ENDLOADVEH." This logic allowed a user to select "STARTLOADVEH," then escape RRECS activities taking them to the "On Street Menu" where the "Load Truck" feature could be accessed.

This has allowed for other "On Street Menu" features to be accessed, including "Change Route". When the carrier changes routes after selecting "STARTLOADVEH," and then changes back to the original route, they access the RRECS activity menu and "ENDLOADVEH" appears. In some cases, this is ok and expected, but in others the carrier has forgotten to "ENDLOADVEH" on the original route, thus causing inflated load time for that day.
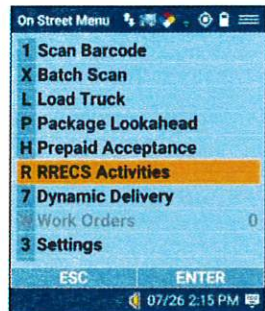
Changes on MDD TR

When a carrier selects "STARTLOADVEH" and then escapes to the "On Street Menu", the only menu options visible will be "Load Truck" and "RRECS Activities."

The "RRECS Activities" option should be available if the user accidentally selected escape and needs to access the "RRECS Activities" option. When the carrier accesses the "RRECS Activities" the "ENDLOADVEH" should appear.
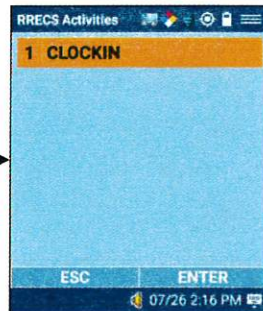
If the user selects option "Load Truck" on the limited menu list, the normal workflow will apply. Once load truck is completed, the scanner will bring the menu back to "RRECS Activities" such that the carrier can select the option and move to "ENDLOADVEH".
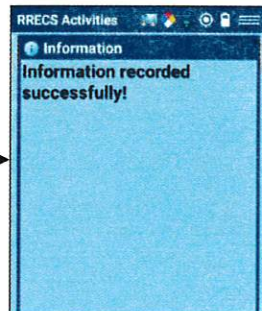
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RRECS Menu Enhancement

On Street Menu
1 Scan Barcode
X Batch Scan
L Load Truck
P Package Lookahead
H Prepaid Acceptance
R RRECS Activities
7 Dynamic Delivery
Work Orders   0
3 Settings
ESC   ENTER
07/26 2:15 PM

After **Rural Carrier** logs in to **On Street Menu** screen, select **R. RRECS Activities**

RRECS Activities
1 CLOCKIN
ESC   ENTER
07/26 2:16 PM

RRECS Activities displays *CLOCKIN* option upon first login. Select **1. CLOCKIN**

RRECS Activities
ℹ Information
Information recorded successfully!
ESC   ENTER

"**Information recorded successfully!**" displays

RRECS Activities
6 STARTLOADVEH
2 FLATSWSS
3 LETTERSWSS
4 FLATSBOXHOLDER
5 LETTERSBOXHOLDER
D OUTLUNCH
ESC   ENTER
07/26 2:18 PM

RRECS Activities (guided) menu appears with 6 options available after *CLOCKIN*. Select **6. STARTLOADVEH**

RRECS Activities
ℹ Information
Information recorded successfully!

"**Information recorded successfully!**" displays
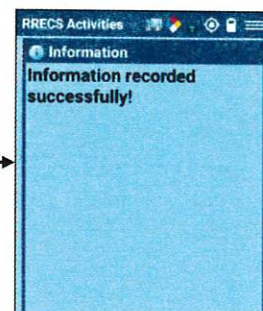
RRECS Activities
7 ENDLOADVEH
ESC   ENTER
07/26 2:19 PM
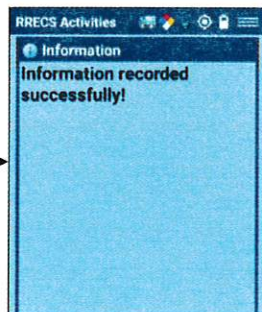
After selecting *STARTLOADVEH*, only *ENDLOADVEH* option is available on screen. Press **ESC** button or android back arrow

---

On Street Menu
L Load Truck
R RRECS Activities
ESC   ENTER
07/26 2:19 PM
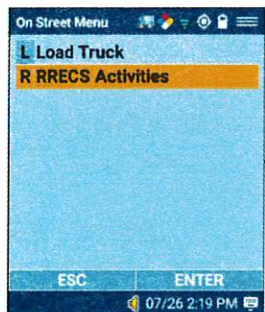
On Street Menu only displays two options: *(L) Load Truck* and *(R) RRECS Activities*. After completing Load Truck task, select option **R. RRECS**

RRECS Activities
7 ENDLOADVEH
ESC   ENTER
07/26 2:19 PM
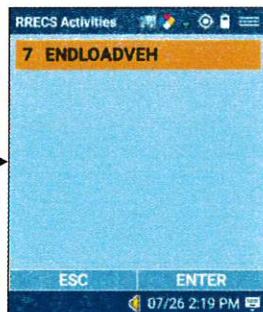
RRECS Activities appears. Select **7. ENDLOADVEH**

RRECS Activities
ℹ Information
Information recorded successfully!
ESC   ENTER

"**Information recorded successfully!**" displays

RRECS Activities
6 STARTLOADVEH
2 FLATSWSS
3 LETTERSWSS
4 FLATSBOXHOLDER
5 LETTERSBOXHOLDER
D OUTLUNCH
ESC   ENTER
07/26 2:21 PM

RRECS Activities screen displays guided menu options. Select **ESC** button

On Street Menu
1 Scan Barcode
X Batch Scan
L Load Truck
P Package Lookahead
H Prepaid Acceptance
R RRECS Activities
7 Dynamic Delivery
Work Orders   0
3 Settings
ESC   ENTER
07/26 2:21 PM
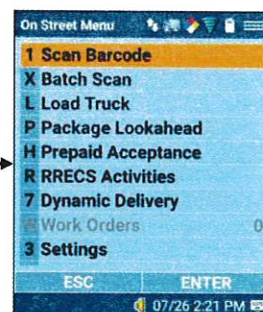
On Street Menu returns to normal displaying standard on street features

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Certified Mail for Rural Carrier

Background

Certified mail is being delivered by Rural Carriers without getting a signature or a delivery scan. Alerts have proven to be beneficial, and it is requested to add reminder alert to notify the carrier of a Certified Mail piece that requires a delivery scan and a signature. If a 3811 form (green card) is attached, then remind the customer to sign on the 3811 form.

Changes on MDD TR

Add Certified Mail in DPS to the Rural Carrier MDD TRs for carrier awareness/alerts. The source would be the carrier manifest from Mail History Tracking Systems (MHTS).

Rural Carriers will receive notification of Certified Mail in DPS as they approach the delivery point. The alert will remind the carrier to scan the certified mail and get a signature. If a 3811 form (green card) is attached, remind the customer to sign on the 3811 form.

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Certified Mail for Rural Carrier

Geo Alert for Certified Mail

Screen 1 — On Street Menu

- 1 Scan Barcode
- X Batch Scan
- L Load Truck
- P Package Lookahead
- H Prepaid Acceptance
- R RRECS Activities
- 7 Dynamic Delivery
- Work Orders 0
- 3 Settings

ESC | ENTER
08/27 1:59 PM

Follow normal login process as a Rural Carrier and land on On Street Menu

Screen 2 — Scan Barcode

CM:3 Pend | RR:2 Pend

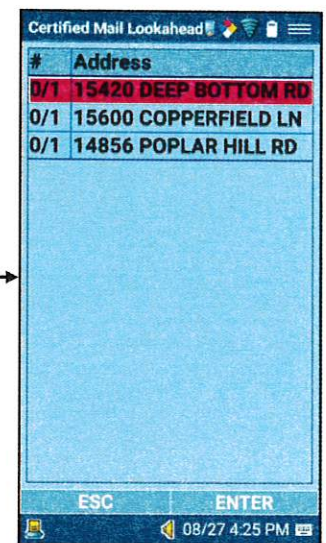Scan/key-in barcode:

\# Label ID

ESC | ENTER
08/27 2:00 PM

Scan Barcode screen will now show a "**CMPend**" reminder tile if there is certified mail to be delivered for the login route. There will also be a "**RRPend**" reminder tile if there are **3811 Return Receipts** (Green Card) to be delivered for the login route

Screen 3 — On Street Menu / Information

ℹ Information

Certified Mail (1 item) for 15420 DEEP BOTTOM RD, GERMANTOWN, MD 20874

Scan the Certified Mail and get a signature from the customer.

If a Green Card is attached, don't forget to get the customer to sign the 3811 Green Card.
9589071052700775237523

09/04 7:38 PM

Geofence alerts for Certified Mail items will be triggered upon approach to the mailbox, with the buffer defined by the AMS record for the address. These are timed pops up and will display for 10 seconds. Tapping on the pop up will dismiss it as well

Screen 4 — Scan Barcode

CM:1 Incmp | CM:2 Pend | RR:2 Pend

Scan/key-in barcode:

\# Label ID

ESC | ENTER
08/27 2:59 PM

A new tile "**CMIncmp**" will become visible once the geofence has triggered, but the item has not been delivered or attempted yet

Screen 5 — Certified Mail Lookahead

#	Address
0/1	15420 DEEP BOTTOM RD
0/1	15600 COPPERFIELD LN
0/1	14856 POPLAR HILL RD

ESC | ENTER
08/27 4:25 PM

Triggered stop will be shown in RED under Certified Mail Lookahead

Note:

Incomplete (Red): These are Certified Mail items where the geofence has triggered, but the item has not been scanned yet

Pending (Green): These are Certified Mail items that have not been approached on the route yet
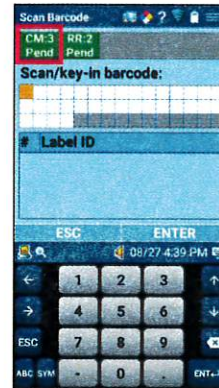
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Certified Mail for Rural Carrier
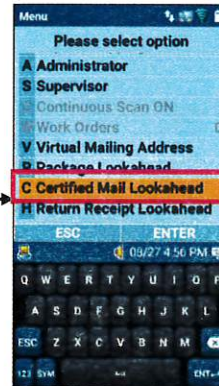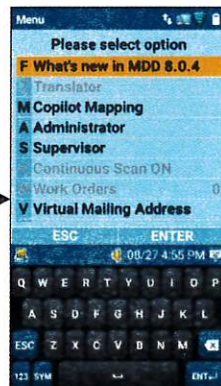
Certified Mail Lookahead

When on the Scan Barcode Screen, Certified Mail Lookahead may be accessed in two ways

Option 1: Select the green CM Pend tab above Scan/Key-in Barcode

Option 2: Select the Hamburger menu and scroll down to selection option C Certified Mail Lookahead

Scan Barcode screen. Tap on "**CMPend**"

Carrier is taken to a lookahead screen which shows a list of addresses receiving certified mail for the login route

Carrier may tap on an address and view the label ID associated with it. Press **ESC** once to return to CM Lookahead screen, press ESC twice to return to scan barcode screen

User can also tap on the hamburger menu (top right) to access hotkey **C. Certified Mail Lookahead**. As shown in the next 3 screenshots

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Return Receipt for Rural Carrier

Return Receipt Notification

Background

The 3811Return Receipt (green card) associated with the extra mail service customer purchased with the Certified Mail is often being missed returning to the mail sender. This is resulting in excessive refunds occurring for failure to provide the requested service.
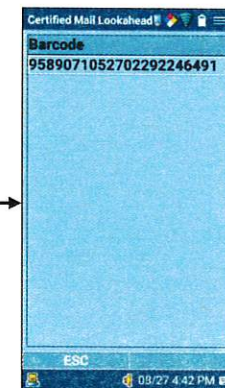
Changes on MDD TR

Add 3811 Return Receipt to the Rural Carrie MDD TR for carrier awareness/alerts. The source would be the certified mail manifest from MHTS.

Carrier would get a reminder on Scan barcode screen for the total piece count of the 3811 Return Receipt to be delivered for the day. The count will be updated along with the actual deliveries.

Carriers would get notification for a 3811 Return Receipt as they approach the delivery point. An alert would remind the carrier they need to scan the barcode on the 3811 before delivering.

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Return Receipt for Rural Carrier
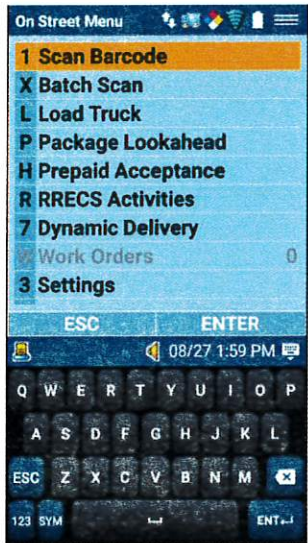
Follow normal login process as a Rural Carrier and land on On Street Menu

Scan Barcode screen will now show a "**CMPend**" reminder tile if there is certified mail to be delivered for the login route. There will also be a "**RRPend**" reminder tile if there are **3811 Return Receipts** (Green Card) to be delivered for the login route
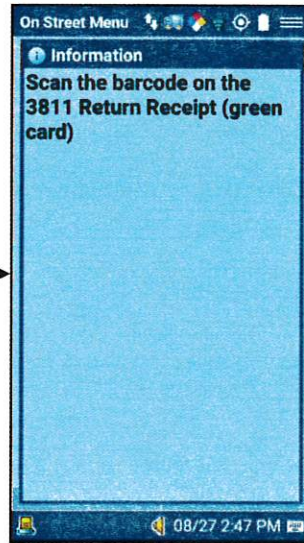
Geofence alerts for 3811 Return Receipts will be triggered upon approach to the mailbox, with the buffer defined by the AMS record for the address. These are timed pops up and will display for 10 seconds. Tapping on the pop up will dismiss it as well
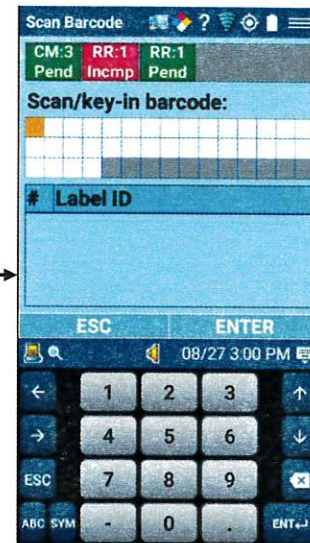
A new tile "**RRIncmp**" will become visible once the geofence has triggered, but the item has not been delivered or attempted yet
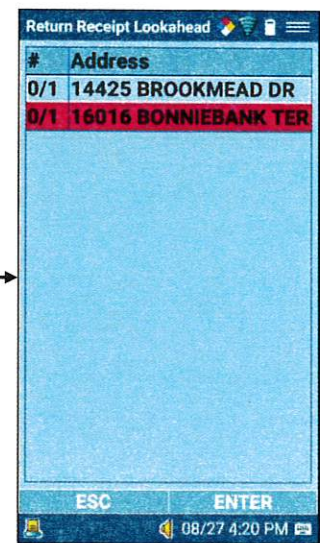
Triggered stop will be shown in RED under Return Receipt Lookahead

Note:

Incomplete (Red): These are Return Receipts 3811 forms where the geofence has triggered, but the item has not been scanned yet

Pending (Green): These are Return Receipts 3811 forms that have not been approached on the route yet

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Return Receipt for Rural Carrier

Return Receipt Lookahead

When on the Scan Barcode Screen, Return Receipt Lookahead may be accessed in two ways.

Option 1: Select the green RR Pend tab above Scan/Key-in Barcode

Option 2: Select the Hamburger menu and scroll down to selection option H Return Receipt Lookahead
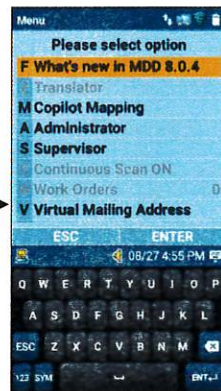
Scan Barcode screen.
Tap on "**RRPend**"
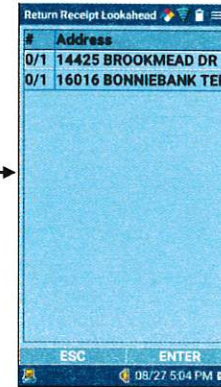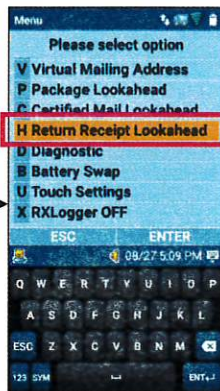
Carrier is taken to a lookahead screen which shows a list of addresses receiving Return Receipts for the login route
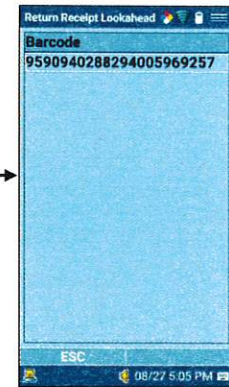
Carrier may tap on an address and view the label ID associated with it. Press **ESC** once to return to RR Lookahead screen, press **ESC** twice to return to scan barcode screen

User can also tap on the hamburger menu (top right) to access hotkey **H. Return Receipt Lookahead**. As shown in the next 3 screenshots

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Certified Mail Record Review for Rural Carrier

Automatic Review (RIMS)
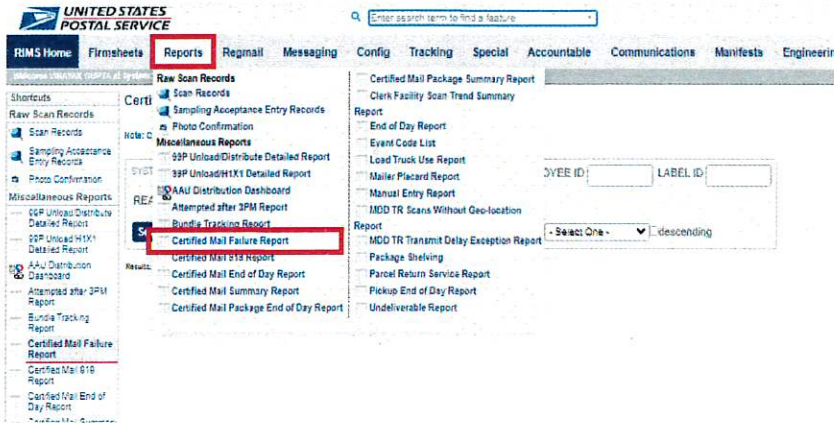
MDD TR will create Certified Mail Review Records automatically for the incomplete (certified mail part of manifest but not delivered) and extra (certified mail delivered that was not part of manifest) pieces and upload to RIMS at close out time (22:30) over LAN.

Certified Mail Failure Report

Note: Custom reports may take a long time to process and render.

| SYSTEM ID | SYS33492 | DEVICE ID | | ROUTE ID | r018 | EMPLOYEE ID | | LABEL ID | |
| REASON | | CATEGORY | | | | | | | |

Search Clear   START DATE 08/27/2024   STOP DATE 08/27/2024   SORT - Select One - ☐descending

Results: Viewing items 1-4 of 4

SYSTEM ID	REPORT DATE	DEVICE ID	ROUTE ID	EMPLOYEE ID	LABEL ID	EVENT DATETIME	REASON	CATEGORY
SYS33492	2024-08-27 00:00:00	C065A09456	0574R018	00000000980	9414726899042977160783	27-AUG-24 05:27:04 PM		Extra
SYS33492	2024-08-27 00:00:00	C065A09456	0574R018	00000000980	9589071052700775237523	27-AUG-24 05:35:00 PM		Incomplete
SYS33492	2024-08-27 00:00:00	C065A09456	0574R018	00000000980	9589071052700292246491	27-AUG-24 05:35:00 PM		Incomplete
SYS33492	2024-08-27 00:00:00	C065A09456	0574R018	00000000980	7022333000012252629S	27-AUG-24 05:35:00 PM		Incomplete

Results: Viewing items 1-4 of 4

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Rural Carrier

Reduce Duplicate RRECS Record Upload

Background

During significant system outages, or when MDDC is overloaded, MDDC cannot respond to the MDD TR scan record upload requests before timing out. As a result, the MDD TR scanner will retry data uploads and cause duplicate scan records to be transmitted to MDDC and other backend systems. The duplicate RRECS scan data, in particular, creates a negative impact on Rural carrier compensation calculation.

Changes on MDD TR

The scanner will quarantine the failed RRECS records and will retry uploads at predetermined intervals to prevent duplicate records. The MDD TR will check if the records have been received before retrying upload. Once the records have been confirmed as received, the retries will no longer occur.

The changes will take place in the background and have no user impact.

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Login/EIN Validation Enhancement

Background

When an employee who moved from one Finance Number to another, and attempts to log into an MDD TR configured to their previous Finance Number, the MDD TR did not allow the employee to login regardless of current status at the new finance number.

Changes on MDD TR

When an employee moves from one finance number to another, status in the original finance number will be separated and will mostly be active under the new finance number. The scanner will perform a global OTA check to ensure this type of employee (an employee that has moved from one finance to another) is allowed to login as long as their status is still active.

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Density Study Enhancement

Background

The Chief Data and Analytics Office (CDAO) team is working to improve the SPM sampling across the organization. They would like to evaluate the amount of volume generated from specific collection points (SSKs, lobby drops, collection boxes, etc.) on postal property, excluding plants.

To improve sampling, CDAO has requested to have the ability to perform a national 'management driven' density test quarterly throughout the year. This change will allow CDAO to identify specific collection IDs and points to be included in quarterly tests.

Changes on MDD TR

Once the density study window is activated on RIMS, the MDD TR will download the list of collection boxes at the facility including the Starting/Ending Dates for the box requiring the Density Study.

During the specified time window of Density Study, the scanner will prompt the user to enter the volume count upon scanning the collection box labels that have a Starting and Ending Date.

The volume entered will be validated against identified erroneous patterns found during previous Density Studies and further validated. When an erroneous entry is identified, the device will first provide a warning. If the same entry is entered again the scanner will prompt the question "Are you sure the entered volume XXXX is correct," with a Yes or No option to confirm.

The erroneous patterns are predefined and include repetitive and sequential numbers, such as 1111, 2222, 1234, 2345, etc.

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Density Study Enhancement

1. Do Not Save selected

CPMS Volume
Enter Collection Piece Count:
0 0 1 **5**

ENTER

Type the piece count and press Enter

CPMS Volume
Question
Entered Collection Piece Count was:
15.
Please confirm:

1 Do Not Save
2 Save

User prompted to confirm the count

2. Save selected

On Street Menu
1 Scan Barcode
X Batch Scan
T Time Clock
L Load Truck
P Package Lookahead
H Prepaid Acceptance
7 Dynamic Delivery
O How Am I Doing?
Work Orders   0

ESC   ENTER

After user logs in, Select 1. Scan Barcode option from the **On Street Menu** then press Enter

Scan Barcode
Scan/key-in barcode:

Label ID

ESC   ENTER

Scan the CBLL barcode **during the study window**

CPMS Volume
Enter Collection Piece Count:
0 0 0 **0**

ENTER

The CPMS Volume screen appears for user to enter Collection piece count. **Note**: This screen will be prompted only during active date range

If ENTER pressed without entering any number

2. No

CPMS Volume
Question
Are you sure the entered number 0 is correct?

1 Yes
2 No

This Question will be presented to confirm zero is a correct entry

1. Yes

CPMS Volume
Information
Information recorded successfully!

"Information recorded successfully!" displays

Scan Barcode
Scan/key-in barcode:

Label ID

ESC   ENTER

User is returned to the Scan Barcode screen

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Density Study Enhancement

Sequential Numbers/Repetitive Number Cases

Entries with sequential or repetitive numbers such as: 1111, 2222, 3333, or 1234, 2345, 3456, etc. have a special flow for the user to confirm the entry.

On Street Menu
1 Scan Barcode
X Batch Scan
T Time Clock
L Load Truck
P Package Lookahead
H Prepaid Acceptance
7 Dynamic Delivery
0 How Am I Doing?
Work Orders

After user logs in to **On Street Menu** screen, Select 1. Scan Barcode option and press Enter

Scan Barcode
Scan/key-in barcode:

\# Label ID

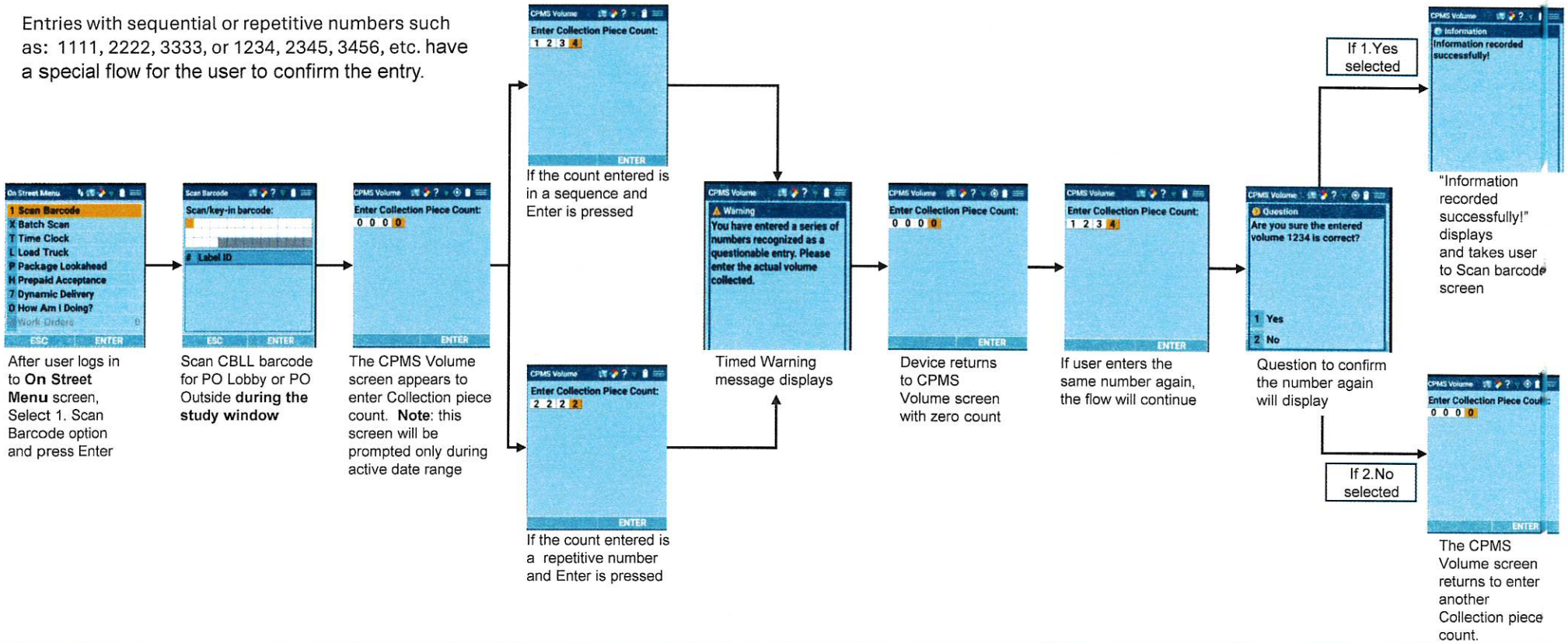Scan CBLL barcode for PO Lobby or PO Outside **during the study window**

CPMS Volume
Enter Collection Piece Count:
0 0 0 0

The CPMS Volume screen appears to enter Collection piece count. **Note**: this screen will be prompted only during active date range

CPMS Volume
Enter Collection Piece Count:
1 2 3 **4**

If the count entered is in a sequence and Enter is pressed

CPMS Volume
Enter Collection Piece Count:
2 2 2 **2**

If the count entered is a repetitive number and Enter is pressed

CPMS Volume — Warning
You have entered a series of numbers recognized as a questionable entry. Please enter the actual volume collected.

Timed Warning message displays

CPMS Volume
Enter Collection Piece Count:
0 0 0 0

Device returns to CPMS Volume screen with zero count

CPMS Volume
Enter Collection Piece Count:
1 2 3 **4**

If user enters the same number again, the flow will continue

CPMS Volume — Question
Are you sure the entered volume 1234 is correct?

1 Yes
2 No

Question to confirm the number again will display

If 1.Yes selected

CPMS Volume — Information
Information recorded successfully!

"Information recorded successfully!" displays and takes user to Scan barcode screen

If 2.No selected

CPMS Volume
Enter Collection Piece Count:
0 0 0 0

The CPMS Volume screen returns to enter another Collection piece count.

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Eliminate Expired Messages from Display Upon Login

Background

Feedback has been received from the field that expired messages are being displayed on the device.

Changes on MDD TR

The device will only display the active messages upon login to avoid extra time spent reviewing expired messages.

- Expired alerts will not trigger a prompt after user logs in.
- Expired messages will not be shown in the Inbox.

Eliminate Expired Messages from Display Upon Login – Alert Message

Alert with ID 1456 expires on Sept 7th. If carrier does not log into the device on Sept 6th and did not read the Alert-1456, carrier will not receive the alert prompt upon logging in on Sept 7th or later.

Outbox Messages
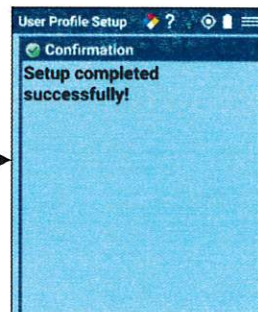
	Edit	SEQUENCE #	Creation Timestamp	Is Alert	Recipient Route ID	Recipient Role	Recipient Device ID	Expiration Timestamp	Message Text	Sender User Name
	Edit	1464	06-Sep-24 01:33:00 PM	Y	2033C042			13-Sep-24 01:33:00 PM	Make sure to check Package Lookahead before before entering office.	KPHAN
	Edit	1457	06-Sep-24 10:23:00 AM	N		City Carrier		07-Sep-24 10:23:00 AM	Happy Delivery! (Normal)	KPHAN
	Edit	1456	06-Sep-24 10:18:00 AM	Y		City Carrier		07-Sep-24 10:18:00 AM	Watch out for dog attacks (Alert)	KPHAN
	Edit	1453	06-Sep-24 10:06:30 AM	Y			C210A09506	07-Sep-24 10:06:30 AM	ANN- 08-06-2024 - Drink plenty of water to avoid dehydration.	SYSTEM

Login to MDD TR on Sept 7th

Carrier logs in and completes User Profile Setup process displaying "**Setup completed successfully!**" message

Since message ID 1456 expired, **On Street Menu** will display and no messaging alert pop-up will show

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Eliminate Expired Messages from Display Upon Login – Normal Message

Welcome KRISTIE PHAN at System: SYS15645 - 143/7277 - 20151 - CHANTILLY POST OFFICE

Shortcuts

Local Messaging
- Inbox - intended for MDD to Supervisor
- Outbox - intended for Supervisor to MDD
- Create Text Message
- MDD TR Create Safety Alert Message

National Messaging
- Corporate Messages

Amber Alerts
- Amber Alerts

Outbox Messages

Delete

Recipient Route ID	Message Text	Alert Status
		--Select One--

Start Date	Stop Date
09/06/2024	09/06/2024

Search **Clear**

Results: Viewing items 1-4 of 4

Message ID 1457 expires on Sept 7th. If carrier did not log into the device on Sept 6th and did not read message that day, expired messages will be removed from the menu inbox.

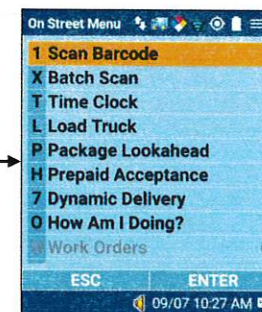|	Edit	SEQUENCE #	Creation Timestamp	Is Alert	Recipient Route ID	Recipient Role	Recipient Device ID	Expiration Timestamp	Message Text	Sender User Name
☐	Edit	1464	06-Sep-24 01:33:00 PM	Y	2033C042			13-Sep-24 01:33:00 PM	Make sure to check Package Lookahead before before entering office.	KPHAN
☐	Edit	1457	06-Sep-24 10:23:00 AM	N		City Carrier		07-Sep-24 10:23:00 AM	Happy Delivery! (Normal)	KPHAN
☐	Edit	1456	06-Sep-24 10:18:00 AM	Y		City Carrier		07-Sep-24 10:18:00 AM	Watch out for dog attacks (Alert)	KPHAN
☐	Edit	1453	06-Sep-24 10:06:30 AM	Y			C210A09506	07-Sep-24 10:06:30 AM	ANN- 08-06-2024 - Drink plenty of water to avoid dehydration.	SYSTEM

Results: Viewing items 1-4 of 4

Login — Find out what's new in MDD 8.0.4 Released on 09/16/2024. CAT. DATE: 09/07/2024 10:26 AM. ROUTE ID NOT SET. This is a US Government computer system and is intended for official and other authorized use only. ENTER. 09/07 10:26 AM

Login to MDD TR on Sept 7th

User Profile Setup — Confirmation. Setup completed successfully!

Carrier logs in and completes User Profile Setup process displaying "**Setup completed successfully!**" message

On Street Menu — Work Orders 0. 3 Settings. 6 Change Route 2033C041. I Information Videos. N Moved Left No Address. U Lead Card. B Text Messages. K Arrow Key Management. Z Hazard Alert/Delivery Instruction. ESC ENTER. 09/07 10:27 AM

From **On Street Menu**, select B. Text Messages

Text Messages Menu — 1 Inbox. 2 Create New Message. 3 Outgoing Messages. ESC ENTER. 09/07 10:27 AM

Text Messages Menu appears. Select 1. Inbox to check any active messages sent from the system or supervisor

Inbox — Error. No messages.

If text message exceeds the "Expiration Timestamp" on RIMS, the expired text message will not display in the MDD TR and removed from inbox

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Eliminate Expired Messages from Display Upon Login – Corporate Message

| | RIMS Home | Firmsheets | Reports | Regmail | Messaging | Config | Tracking | Area | District | Special | Accountable | Manifests | National | Engineering | Turn Menus OFF |

Welcome KRISTIE PHAN at System: SYS15645 - 1437277 - 20151 - CHANTILLY POST OFFICE

Shortcuts
Local Messaging
- Inbox - intended for MDD to Supervisor
- Outbox - intended for Supervisor to MDD
- Create Text Message
- MDD TR Create Safety Alert Message

National Messaging
- Corporate Messages

Corporate Messages ❓

Results: Viewing items 1-20 of 850.

Previous | **1** 2 3 4 5 6 7 8 ... 43 | Next

| Sequence Number	CREATION TIMESTAMP ▽	Is Alert	Sender User Name	Recipient Role	Target System	Message Text	Expiration Timestamp	Created By	...
1399	12-Sep-24 01:26:21 PM	Y	Corporate Communications	All	MDD TR	Remember to stay hydrated and bundle up for the fall season!	13-Sep-24 01:26:21 PM	SONA KUMAR	
1398	11-Jul-24 01:19:53 PM	Y	Corporate Communications	All	MDD TR	Rural Carriers, first select the RRECS Activity HotKey '1' (CLOCKIN) then on the on-street menu select 'I' (Information Videos) to view the PMG Video Series 1.	12-Jul-24 01:19:53 PM	SONA KUMAR	
1397	09-Jul-24 02:54:32 PM	Y	Corporate Communications	All	MDD TR	Testing popup architecture	10-Jul-24 02:54:32 PM	TATIANA BELSKY	
	09-Jul-24 12:35:38		Corporate		MDD TR		10-Jul-24 12:35:38	SUSANTA R	

Example: Message 1399 expires on Sept 13th. If carrier did not log into the device on Sept 12th and did not read the message that day, the scanner will not show the message again if the carrier logs on or after the expiration date.
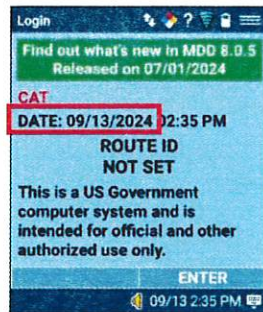
Login to MDD TR on Sept 13th
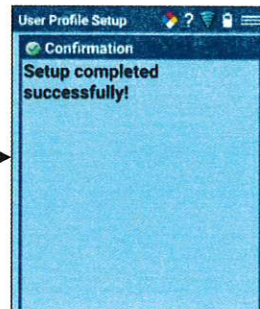
Carrier logs in and completes User Profile Setup process displaying "**Setup completed successfully!**" message
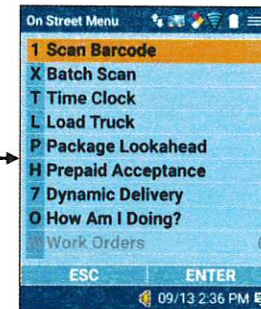
Since message ID 1399 expired, **On Street Menu** will display and no corporate message screen will show

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Eliminate Customer's Signature for International Parcels from Belgium

Background

Global Business is introducing a new inbound parcel product that will not require a customer to sign for an international parcel at delivery.

In the past this product has been offered to Canada and China, and Global Business would like to expand this offering to other countries. This is a current bi-lateral agreement, and the price change goes into effect on 1 January. To follow up the PRC issued an order favorably reviewing our proposed modifications to the 2024 rates for Premium (aka Tracked) Parcel under the IRA-USPS II (aka USPS-IRA 2.0) Agreement which the new rates began on January 1, 2024. https://prc.arkcase.com/portal/docket-search/daily-listings/filing-details/126466.

Changes on MDD TR

Device will no longer prompt for a signature when delivering a parcel originating from Belgium with label IDs starting with CA-CZ.

Estonia, Luxembourg, and the Netherland are removed from the non-signature list and will now require signature upon delivery of international inbound parcels starting with CY.

Electric Vehicle Charging Activation

Background

There have been over 1,000 vehicle charging stations deployed and installed at USPS locations to support the electrical vehicle fleet. Each set of electrical vehicle keys has an RFID card attached to the key ring that is to be used to activate the vehicle charging stations. The goal of this change request is to replace the RFID cards with an application on the MDD TR device to initiate the charging sessions.

Changes on MDD TR

The user can activate vehicle charging by selecting the charging icon or by accessing the Charging Activation menu option in the Hamburger Menu.

Once charging activation has been invoked on the device, the device will display a message notifying the user if charging activation is successful or failed.

When charging activation is successful, the scanner will exit the activation process and return to the login screen.
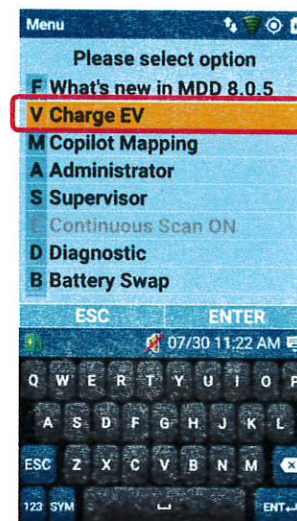
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Electric Vehicle Charging Activation
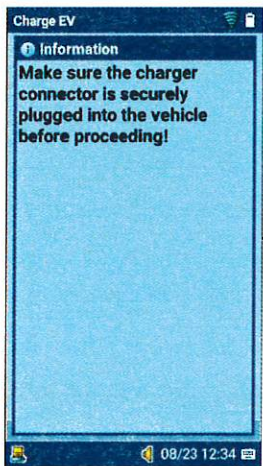

Click on the EV Charging icon to initiate the process
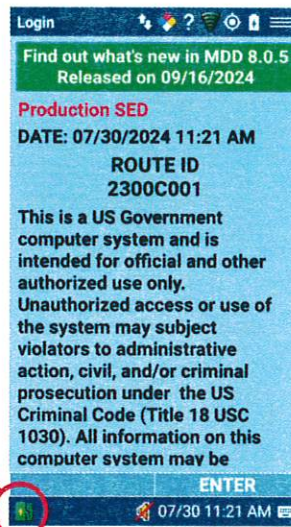
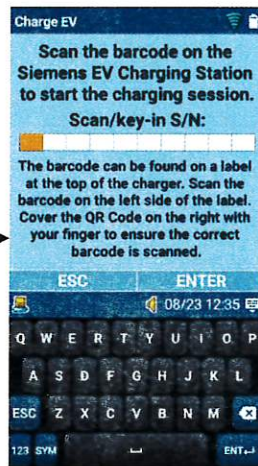The EV Charging icon will appear in the bottom bar (when enabled for the system)

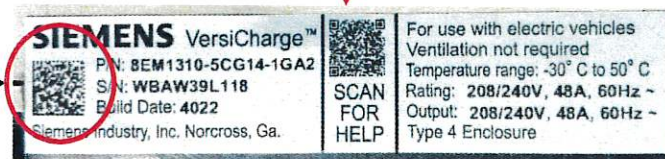There will also be a "Charge EV" item in the hamburger menu

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Electric Vehicle Charging Activation

Charge EV
ⓘ Information
Make sure the charger connector is securely plugged into the vehicle before proceeding!
08/23 12:34

A timed popup will show for 3 seconds to remind the carrier to plug in first

Charge EV
Scan the barcode on the Siemens EV Charging Station to start the charging session.
Scan/key-in S/N:

The barcode can be found on a label at the top of the charger. Scan the barcode on the left side of the label. Cover the QR Code on the right with your finger to ensure the correct barcode is scanned.

ESC   ENTER
08/23 12:35

After the popup message, the user will be directed to scan of key in the charging station S/N barcode

SIEMENS VersiCharge™
P/N: 8EM1310-5CG14-1GA2
S/N: WBAW39L118
Build Date: 4022
Siemens Industry, Inc. Norcross, Ga.

SCAN FOR HELP

For use with electric vehicles
Ventilation not required
Temperature range: -30° C to 50° C
Rating: 208/240V, 48A, 60Hz ~
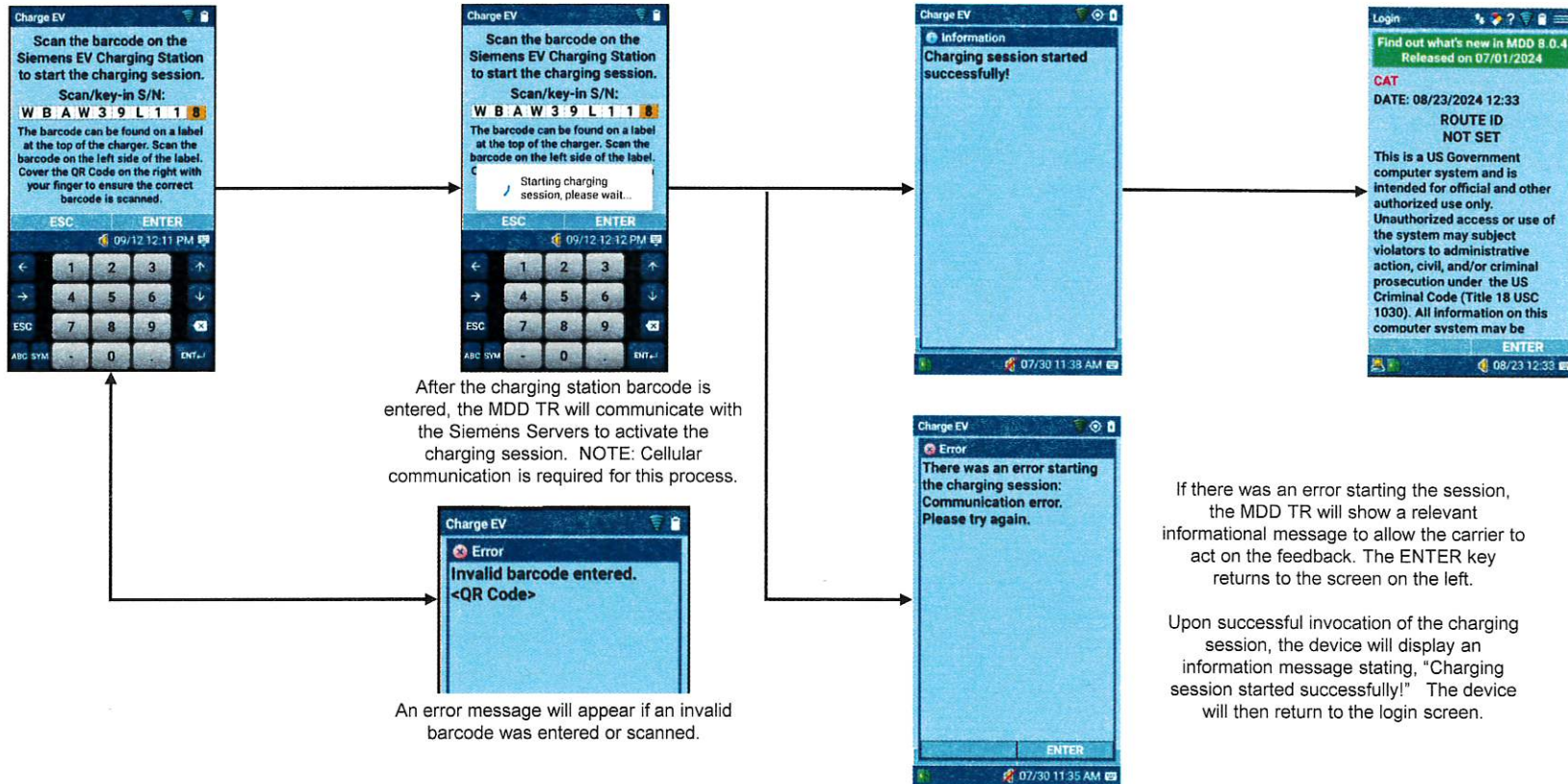Output: 208/240V, 48A, 60Hz ~
Type 4 Enclosure

The carrier scans the Data Matrix barcode on the Siemens EVSE using the MDD TR

Cover QR code to the right when scanning otherwise the wrong QR code may be scanned, and the process will fail
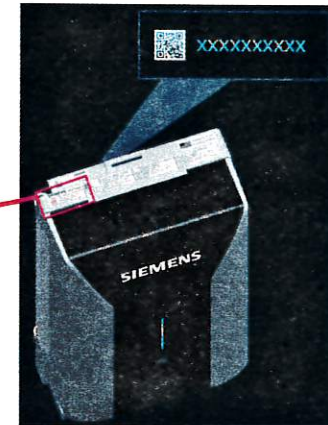
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Electric Vehicle Charging Activation

After the charging station barcode is entered, the MDD TR will communicate with the Siemens Servers to activate the charging session. NOTE: Cellular communication is required for this process.

An error message will appear if an invalid barcode was entered or scanned.

If there was an error starting the session, the MDD TR will show a relevant informational message to allow the carrier to act on the feedback. The ENTER key returns to the screen on the left.

Upon successful invocation of the charging session, the device will display an information message stating, "Charging session started successfully!" The device will then return to the login screen.

Electric Vehicle Charging Activation

Siemens Barcode Location

Upload eArrow Lock CSV File to AWS

Background

The eArrow locks installed on collection boxes require monitoring for critical eLock activities which include unauthorized access, battery health, firmware updates, maintenance monitoring, and operational effectiveness. The MDD TR device will collect information from the eArrow lock and upload the usage data to AWS S3 daily for all installed locks.

Changes on MDD TR

The MDD TR application will upload the eArrow log CSV files to a predefined folder in the cloud (AWS) during nightly S3 uploader process after the scanner is cradled. The CSV files that cannot be uploaded on cradle will be uploaded OTA the next day.

The upload process happens in the background and has no user impact.

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CPMS File Download Logic Update

Background

High CPU usage on RIMS API servers were observed on two consecutive Mondays (August 26th and August 19th) which resulted failed communication between MDD TRs and RIMS. After reviewing the RIMS server PHP log, it was found that the majority of long running sessions came from mdd_cbl.php interface. It was suspected the collection box download at the DISTRICT level was causing issues. The situation may get worse after three additional fields added into the CPMS file download which will increase the amount of data downloaded to the TR scanners in MDD TR R8.0.5 release.

Changes on MDD TR

MDD TR will request CPMS file download per Locale Key versus per District ID to reduce the amount of data downloaded to the scanners. That way it can reduce RIMS data processing time and avoid server overload.

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