



April 2, 2024

RECEIVED

APR 04 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 updated the Mobile Delivery Device-Technical Refresh (MDD-TR) on March 25, 2024.

Release 7.95 includes the following:

- Move Edit Book Function to In Office
- Carrier Pickup Enhancement Alert
- Geo Alert Update
- RRECS Activity Review Update
- Map Display of Hazard Alert & Delivery Instruction
- eArrow Lock Battery Reporting RIMS
- Arrow Key Enhancement: Report Key UI Update
- Updated International Signature Confirmation Flag
- Trimble Map Carving Service – No User Impact
- CISO Request: Administrator Log In Cooldown
- Updated OSW Data Encryption – No User Impact
- Service Type Code (STC) 317 Description Update – No User Impact

Enclosed is the final draft copy of the MDD-TR Release 7.95 talking points.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "James Lloyd".

James Lloyd  
Director  
Contract Administration (NALC)

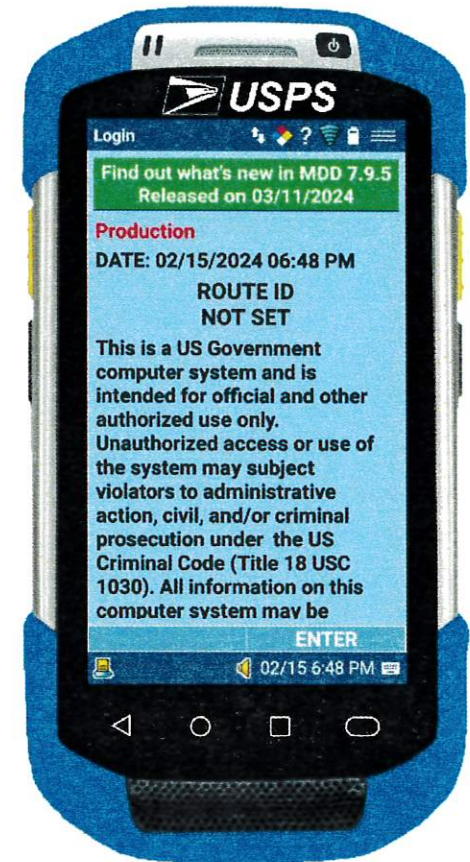
Enclosure

## MDD TR Release 7.95

Pilot: 03/11/2024

National: 03/25/2024

- Move Edit Book Function to In Office
- Carrier Pickup Enhancement Alert
- Geo Alert Update
- RRECS Activity Review Update
- Map Display of Hazard Alert & Delivery Instruction
- eArrow Lock Battery Reporting RIMS
- Arrow Key Enhancement: Report Key UI Update
- Updated International Signature Confirmation Flag
- Trimble Map Carving Service – No User Impact
- CISO Request: Administrator Log In Cooldown
- Updated OSW Data Encryption – No User Impact
- Service Type Code (STC) 317 Description Update – No User Impact



# Move Edit Book Function to In Office

## Background

Edit book functions have been enabled on the MDD TR devices to leverage technology and allow for real time updates. The enhancements allowed for the entry of the records directly into the device and reduced the amount of time spent manually updating the red book by allowing carriers to complete the updates while on street. A directive has been received to move all Edit Book functions to in office thereby restricting the carriers' access while on street.

## Changes on MDD

All Edit Book features including COA update will be restricted unless the carriers are in the office.

The features will be disabled when carriers leave the office or when one of the below conditions are met:

- Scanning the Depart2Route barcode
- Exiting the geo fence of the facility using GPS data
- When time reaches to 9:00AM. This is to ensure the function is disabled on the scanner if no GPS and no Depart2Route Scan is detected.

The Edit Book features will be enabled upon returning to the office when one of the below conditions is met:

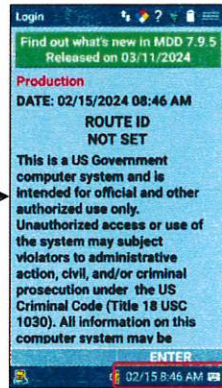
- Scanning the Return2DU barcode
- Entering the geo fence of the facility using GPS data
- Docking the scanner inside an Office Cradle after 9AM
- When time reaches to 6PM. This is to ensure the function is available on the scanner when no GPS or no Return2DU scan is detected.

This change does not affect MLNA.

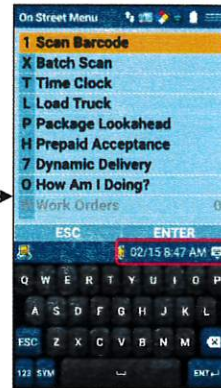
# Move Edit Book Function to In Office



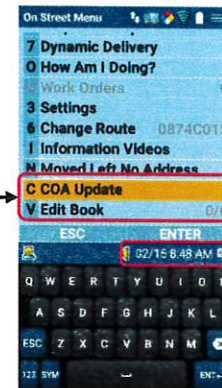
Scanner in an office cradle



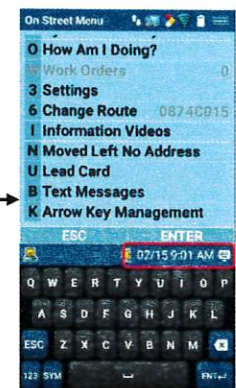
Removed from office cradle. License screen. Please follow normal login process



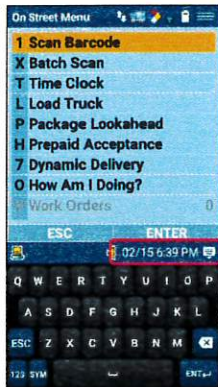
On Street menu



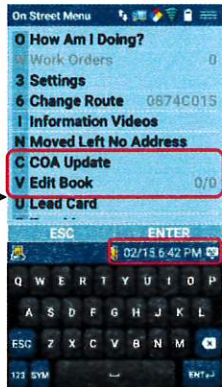
Scroll down or press hot key C. COA Update or hot key V. Edit book.



Both options C. COA Update and V. Edit Book will be hidden from the menu at 9 AM



COA Update and Edit Book options will be enabled at 6 PM

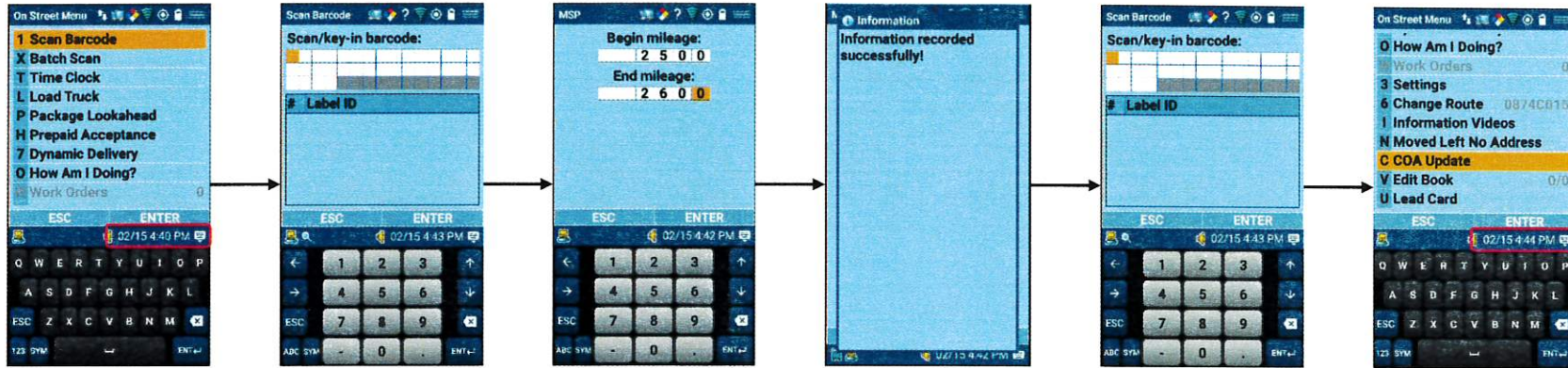


**Note:** Use of Edit Book and COA Update will be restricted **between 9 AM and 6 PM.**

Edit Book and COA Update functionality is not available to **Rural Carriers** currently.

## Move Edit Book Function to In Office

## Carrier Returns to Office Between 9AM-6PM



Edit Book features and COA Update functionality will be restored and shown on the On Street menu once the carrier scans a RETURN2DU barcode. Functionality will also restore when the scanner detects entry inside the facility geo fence (GPS required).



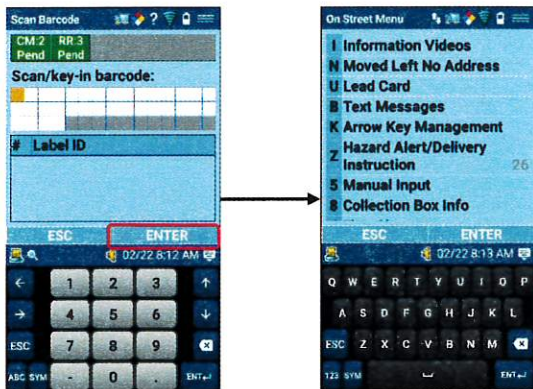
In a scenario where the carrier has returned to office but does not scan a RETURN2DU barcode and there is no GPS fix for the scanner to make that determination, simply docking the scanner in an office cradle will restore COA Update and Edit Book features

# Move Edit Book Function to In Office

# Carrier Leaves Office Before 9AM



Edit Book features and COA Update functionality will be restricted and hidden from the On Street menu once the carrier scans a DEPART2ROUTE barcode. Functionality will also be restricted and hidden when the scanner detects exiting the facility geo fence (GPS required).



COA Update and Edit Book hidden

# Carrier Pickup Enhancement Alert

## Background

In the past, pickups have been overlooked/missed by carriers while on route. To avoid missed pickups, alerts and reminders are to be implemented on the device to remind carriers of pickups while on route.

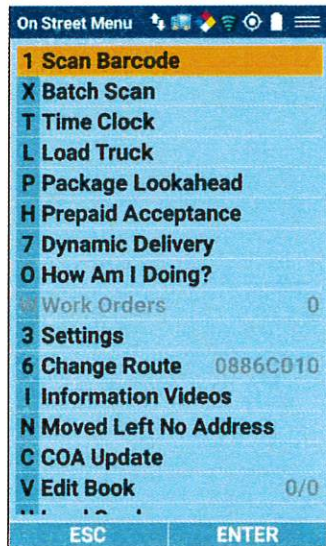
## Changes on MDD

Upon breaking the geofence of the addresses with a pending pickup request, the device will display an interactive popup message, "Pickup required at address: {Address}."

The scanner will provide the status of the pickup request on the scan barcode screen. The pickup request work order will be flagged by PU with the total count of the pickup requests on the route in which the carrier is currently logged in. When selecting the PU bar, the details of the pickup request will be provided, including the barcode label and the address. An incomplete pickup request will be counted and displayed as "PU Pend" in the Scan Barcode work order status bar.

# Carrier Pickup Enhancement Alert

## Status Bar

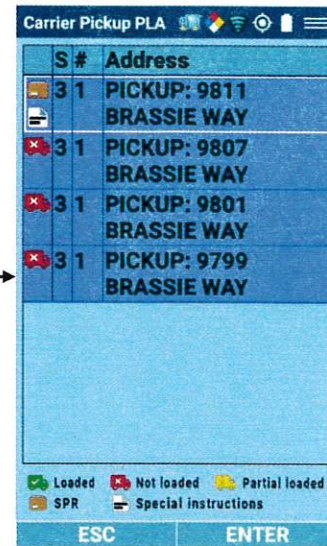


Log into the MDD-TR as City Carrier. From On Street Menu, select 1 Scan Barcode.

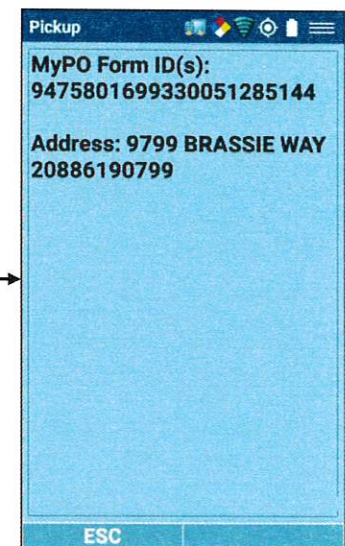


Incomplete pickups in the Package Manifest will be counted and displayed in the work order status bar with "PU Pend." Click on PU PEND.

**Note:** PU Pend number will decrease as pickups are completed.



MDD-TR displays the Package Lookahead which will display only the pickups in the list. Click on any of the pickups.

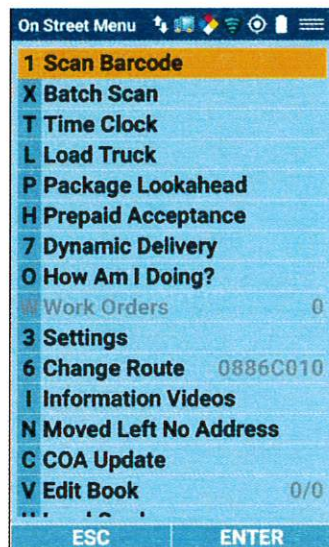


MDD-TR displays the Form ID/Barcode and Address.



# Carrier Pickup Enhancement Alert

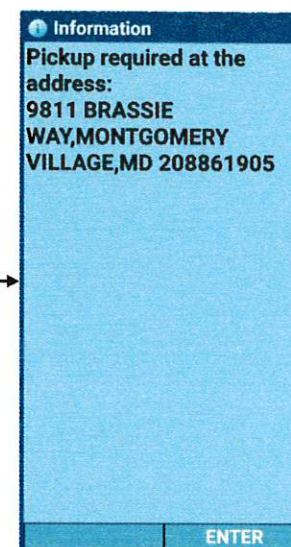
# Geofence Pop Up



Log into the MDD-TR as City Carrier.  
From On Street Menu, select 1 Scan Barcode.



From Scan Barcode screen, break the geofence of an address that has a Pickup Pending.



MDD will display pop-up message. "Pickup required at address: [ADDRESS]". Press Enter to return to previous screen.

**Note:** The Pickup message will automatically display when breaking the geofence of an address that has a pickup regardless of current screen being displayed. After Enter is pressed and confirming reading of message, carrier will be returned to the screen displayed prior to the message popup.

# Geo Alert Update

## Background

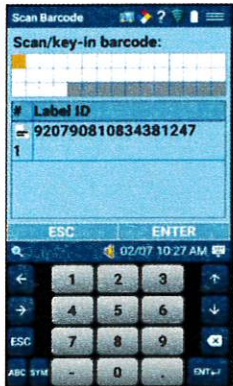
An incident happened recently when a package intended for the CTO was delivered to a wrong location and no geo delivery alert was triggered. The geo alert was not triggered because the carrier selected the delivery attribute of “Front Desk/Reception/Mailroom,” which is not a qualified delivery attribute for geo delivery audit. “Front Desk/Reception/Mailroom” shall not be a valid delivery attribute option for residential locations.

## Changes on MDD

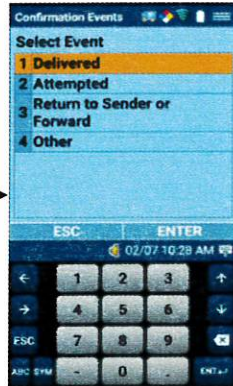
The MDD TR will no longer display the delivery attribute option of “Front Desk/Reception/Mail Room” at residential locations, except for apartment compound or high-rise buildings. The option will be available for business locations.

# Geo Alert Update

# Regular Delivery



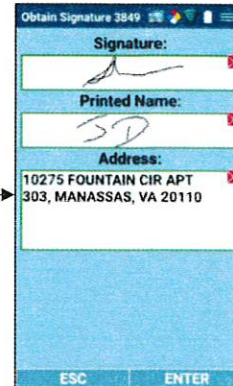
Scan a delivery barcode



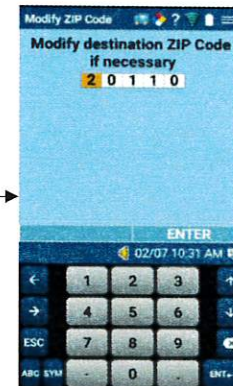
Select 1. Delivered



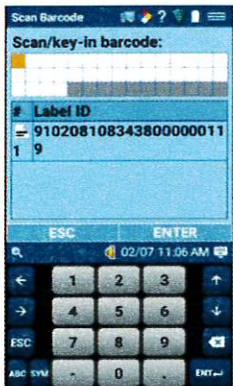
Select option 3. Left with Individual at Address.  
Note: The address is an apartment, Option 4. Front Desk/Reception/Mail Room option is available



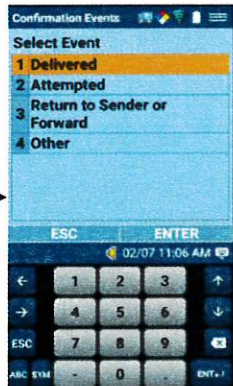
Obtain signature. Address is pre-populated from AMS data



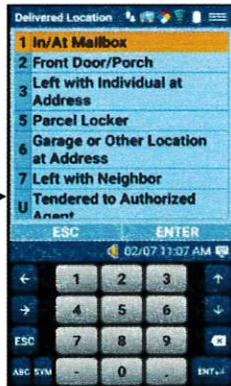
Verify zip code; Press Enter



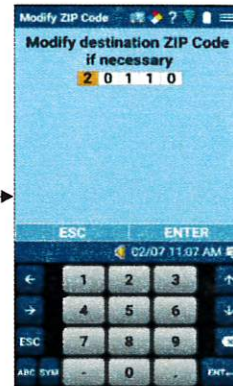
Scan a delivery barcode



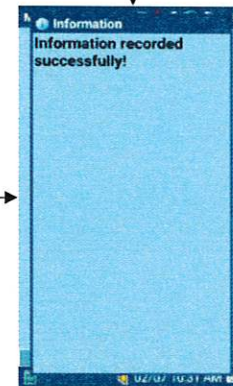
Select 1. Delivered



Select 1. In/At Mailbox. Note: The address is residential, Option 4. Front Desk/Reception/Mail Room option is not available.



Verify zip code; Press Enter



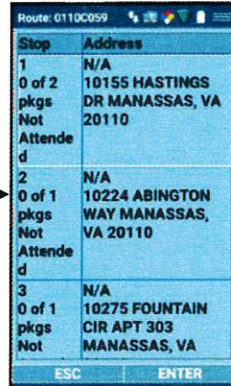
Information recorded successfully

- Note:
- Option 4. Front Desk/Reception/Mail Room option will only display for apartment, high-rise building, or business addresses.
  - If no AMS file or DELSYSID was found in the AMS data, attribute 4. Front Desk/Reception/Mail Room option will be displayed.

# Geo Alert Update



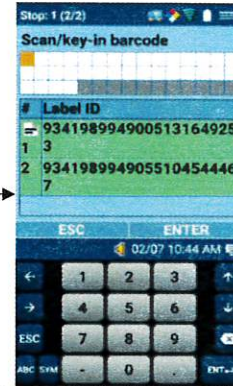
In Dynamic Delivery, select option 2. Delivery Routes



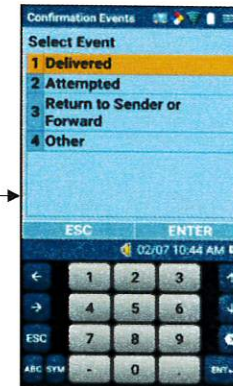
Select delivery address



Navigate to address using copilot mapping or click option 2. Delivery if at delivery location



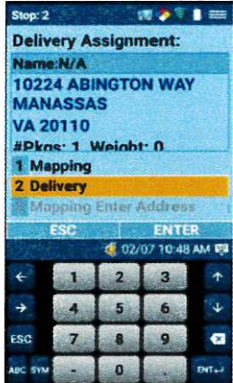
Scan or key in delivery barcode(s)



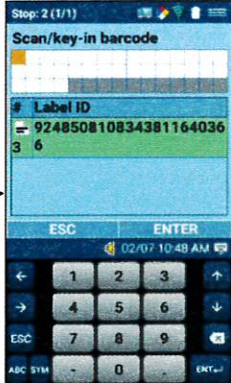
Select option 1. Delivered



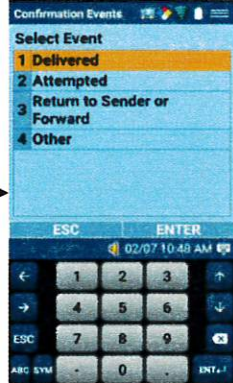
Select option 1. In/At Mailbox  
Note: Address is an apartment or business, Option 4. Front Desk/Reception/Mail Room option is available.



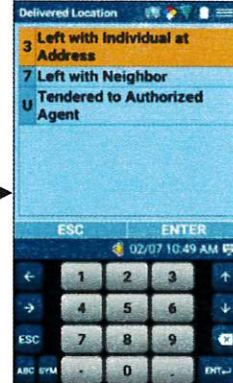
Navigate to address using copilot mapping or click option 2. Delivery if at delivery location



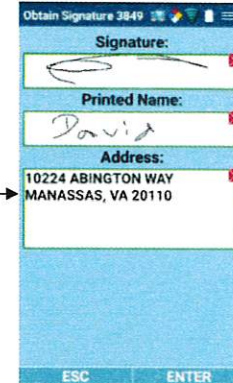
Scan or key in delivery barcode



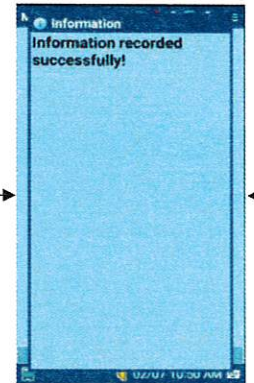
Select option 1. Delivered



Select option 3. Note: The address is residential, Option 4. Front Desk/Reception/Mail Room option is not available.



Obtain signature. Address is pre-populated from AMS data



Information recorded successfully

# RRECS Activity Summary Enhancement

## Background

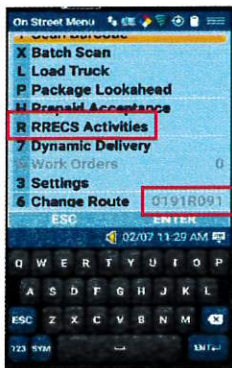
In a previous release, the RRECS Activity Tally Count was added. This enhancement will display the total number of trips/items associated with the TRIP2DOOR, DOORMISC (Trips), AUTHDISMOUNT, and CARRIERPU, instead of the current logic that shows a count of the times an activity was selected.

## Changes on MDD

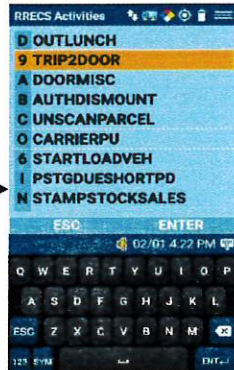
The RRECS Activity Summary will now reflect Activity Type and show the total number for each activity. When TRIP2DOOR (trips), DOORMISC (Trips), AUTHDISMOUNT (trips), and/or CARRIERPU (items) is selected, details for the counts will be displayed.

# RRECS Activity Summary Enhancement

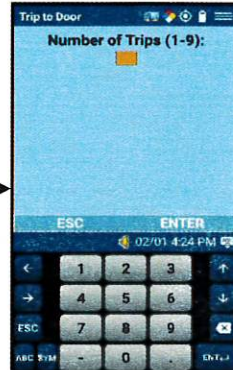
# TRIP2DOOR, DOORMISC



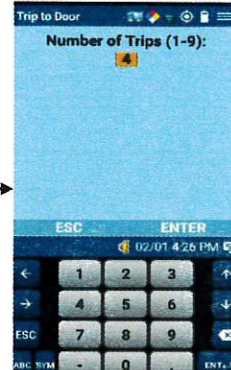
Upon login to the 1<sup>st</sup> route as Rural carrier select R. RRECS Activities from the On Street Menu



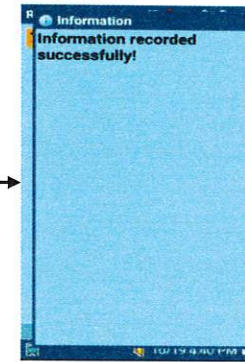
Follow current guided menu workflow on original login route to reach a menu with 14 items and select TRIP2DOOR



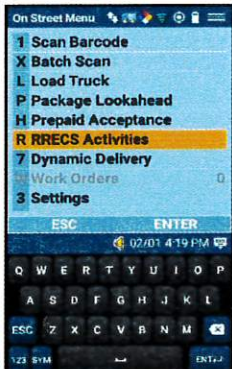
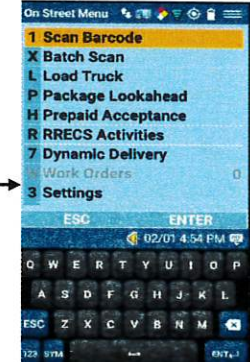
Trip to Door screen appears with a field to type a number of trips highlighted



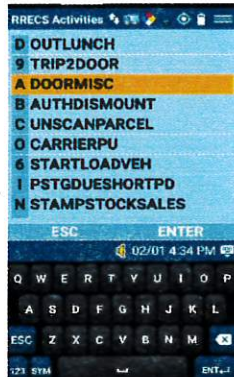
Type a number in the field and press ENTER



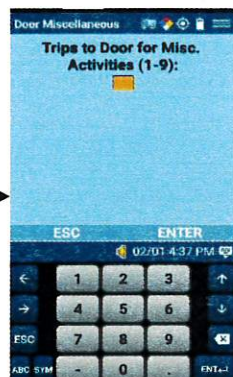
"Information recorded successfully" screen displays briefly, and device goes to On Street Menu



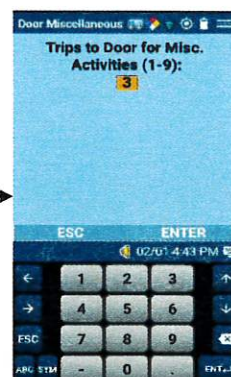
Select RRECS Activities and press ENTER



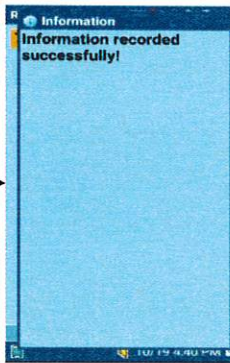
Select DOORMISC, press ENTER



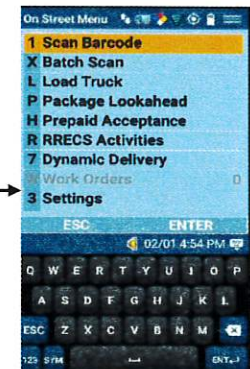
Door Miscellaneous screen appears with a field to type a number of activities highlighted



Type the number of activities in the highlighted field, press ENTER

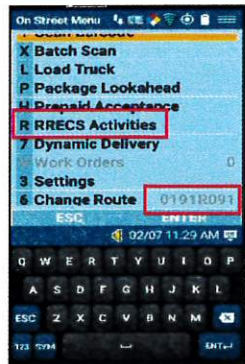


"Information recorded successfully" screen displays briefly, and device goes to On Street Menu

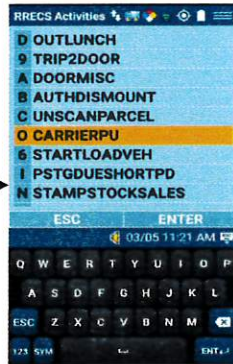


# RRECS Activity Summary Enhancement

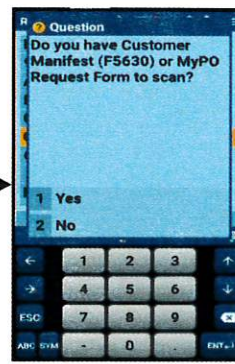
## CARRIERPU



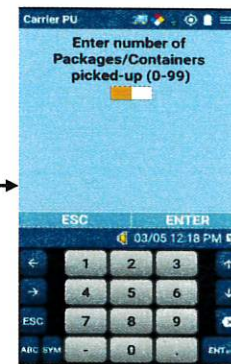
Upon login to the 1<sup>st</sup> route as Rural carrier select R. RRECS Activities from the On Street Menu



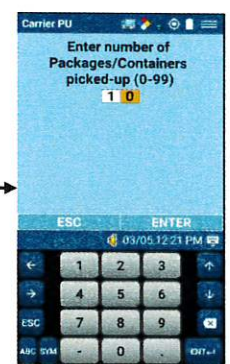
Follow current guided menu workflow on original login route to reach a menu with 14 items and select CARRIERPU



Workflow for this activity has not changed: user can select Yes or No to the question. Yes - Carrier scans 5630 Form first, No - Carrier proceeds without scanning form.



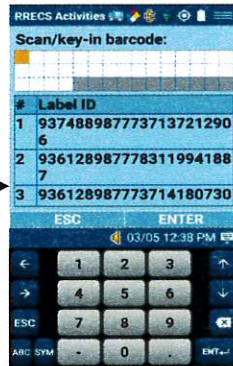
Carrier PU screen displayed next with empty field to enter the number of packages for pick up.



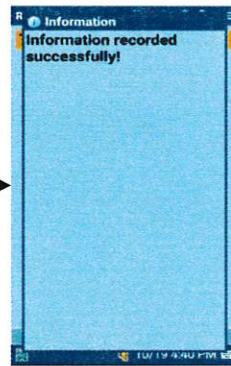
Type a number in the field and press ENTER



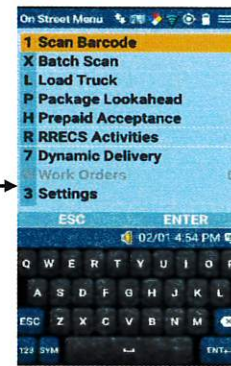
Laser activates for scanning



Carrier scans up to 5 packages and press Enter

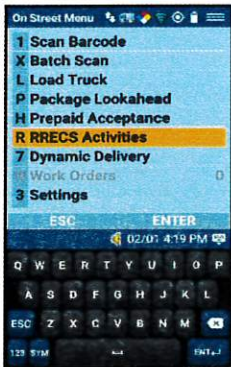


"Information recorded successfully" screen displays briefly, and device goes to On Street Menu

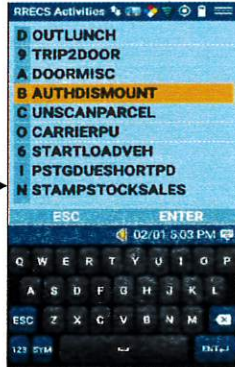


# RRECS Activity Summary Enhancement

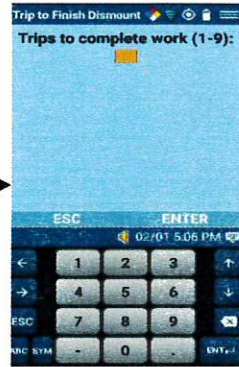
# AUTHDISMOUNT and New Count in Summary



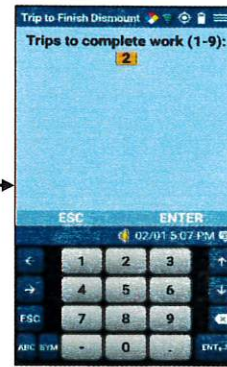
Select option R. RRECS Activities from the On Street Menu



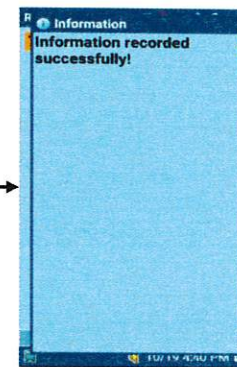
On a menu with 14 items select AUTHDISMOUNT, press ENTER



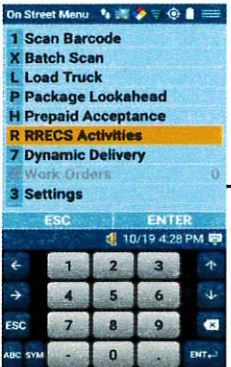
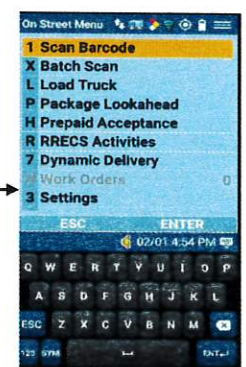
Trip to Finish DISMOUNT screen appears with a field to type the number of trips highlighted



Type a number in the field and press ENTER



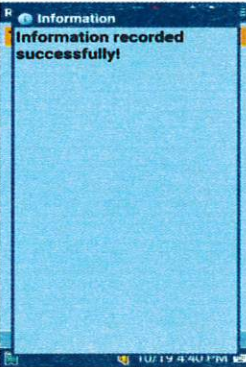
"Information recorded successfully" screen displays briefly, and device goes to On Street Menu



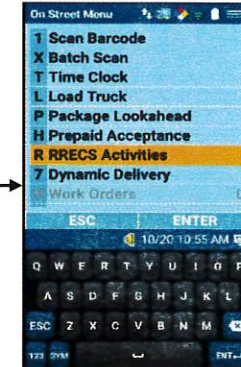
On Street Menu scroll down or use hot key to select option R. RRECS Activities, press Enter



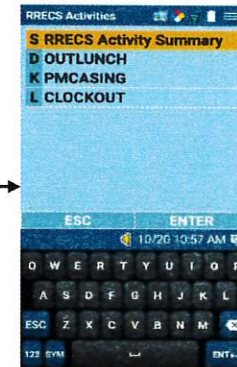
Menu with 14 items on a list shows. Scroll down or use hot key J to select RETURN2DU option



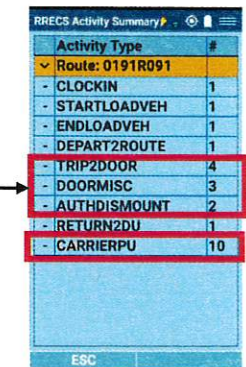
"Information recorded successfully" screen displays briefly, and device goes to On Street Menu menu



Scroll down or use hot key to select option R. RRECS Activities, press Enter



After user selected RETURN2DU option S. RRECS Activity Summary shows on a menu along with other options. Select RRECS Activity Summary option



Tally for each activity type selected on a route by this time, and entered data for TRIP2DOOR, DOORMISC, CARRIERPU and AUTHDISMOUNT displayed



# RRECS Activity Summary Enhancement

## TRIP2DOOR AUTHDISMOUNT on Subsequent Route

After user selected **RETURN2DU** at any point, either using Guided menu (by selecting RRECS Activities option on the On Street Menu) or using Comprehensive menu (in Hamburger menu), the option **S. RRECS Activity Summary** will be part of the list on the top of the menus along with other options



On subsequent routes, an expanded customized menu displays. The RRECS workflow remains the same as in previous release



# RRECS Activity Summary Enhancement

# DOORMISC and Count for Subsequent Routes in RRECS Activity Summary

If user selects additional RRECS activities while on original route, or subsequent route, the RRECS Activity Summary will be updated.



On subsequent routes, an expanded customized menu displays. The RRECS workflow remains the same as in previous release.



Note: The RRECS activity list and the count of the activities in the Summary are updated in real time. When a user performs additional activities, the activity list and numbers in the Summary will increase accordingly.

User may need to scroll to see all items on the list. A carrier will only be able to view his/her own RRECS activities. If the device is used by another carrier, no other carrier information will be visible.

In this example, additional activities were performed and number of trips for TRIP2DOOR on both routes were increased (by 2 on route 091R091 and by 1 on route 091R090), and Number of trips in DOORMISC on route 091091 changed by 2 as well, hence Summary is reflecting these changes.

When option S. RRECS Activity Summary is selected, all RRECS activities completed by logged in user will be displayed in alpha-numerical order of Route IDs. The current Route ID will be highlighted for easier navigation. TRIP2DOOR, DOORMISC, and AUTHDISMOUNT reflect the total completed number of trips or items for CARRIERPU (not shown here) input by user.

# RRECS Activity Summary

# RIMS Rural Route Study Scan Count Status Report

## MSP Rural Route Study Scan Count Status Report ?

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

ROUTE ID  EMPLOYEE ID  DEVICE ID

**Search** **Clear** DATE  SORT   descending

Note: The Route ID is different, but the Employee ID is the same.

Results: Viewing 11 items Previous | 1 | Next

EVENT DATE	ROUTE ID	EMPLOYEE ID	DEVICE ID	RRLOCKIN COUNT	STARTLOADVEH COUNT	ENDLOADVEH COUNT	RRDEPART2ROUTE COUNT	RRRETURN2DU COUNT	RRLOCKOUT COUNT	...
2024-02-22 00:00:00	0191R090	00000000021	C068A02078	0	1	1	1	1	1	
2024-02-22 00:00:00	0191R091	00000000021	C068A02078	1	1	1	1	1	0	
2024-02-22 00:00:00	0191R092	00000000020	C068A02078	1	1	1	1	1	2	
2024-02-22 00:00:00	0318C001	00000875359	C068A02078	1	0	0	0	1	0	

Rural Route Study Scan Count Status Report in RIMS displays some activities performed by each carrier on each route ID **with count of some activities** done for the day.

# Map Display of Hazard Alert & Delivery Instruction

## Background

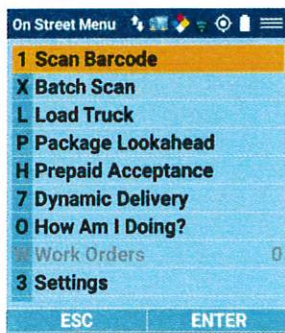
The MDD TR device triggers a dog hazard alert to help keep carriers safe by alerting them to the presence of an animal in a specific area. Alerts have been expanded to be prompted when any device breaks the geofence of the hazard, regardless of the route and the user role. In addition, the scanner is requested to provide a map display to show the proximity of the user to the alert.

## Changes on MDD

A map view with the hazard location or delivery instruction in reference to the carrier's current location will be provided on the scanner. The map presents an overview of all alert/instructions on the route and allows users to zoom in or zoom out to see the details of the hazard alert or delivery instructions.

# Map Display of Hazard Alert & Delivery Instruction

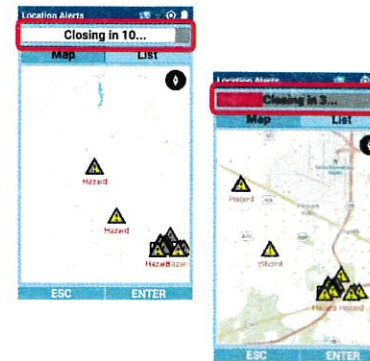
Upon Login



From On Street menu



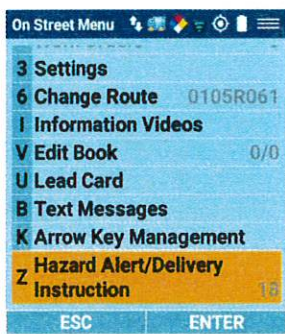
After user login, the map view of the Hazard Alerts and Delivery Instructions of the entire facility will be displayed. For city carriers, the map view will stay. User can press enter to see the details of the nearest alert or press ESC to return to on street menu.



For Rural Carriers, the map view screen will automatically close after 10 seconds. The countdown bar will turn red at 3 seconds before closing. They can also click on ESC to return to on street menu.



To view details for all Hazard Alerts and Delivery Instructions, user can select the "List" tab. The alerts are sorted by range with the nearest at the top of the list.



User can always select Option Z. Hazard Alert/Delivery Instruction to see the map view of the hazard alerts and delivery instructions.



# Map Display of Hazard Alert & Delivery Instruction

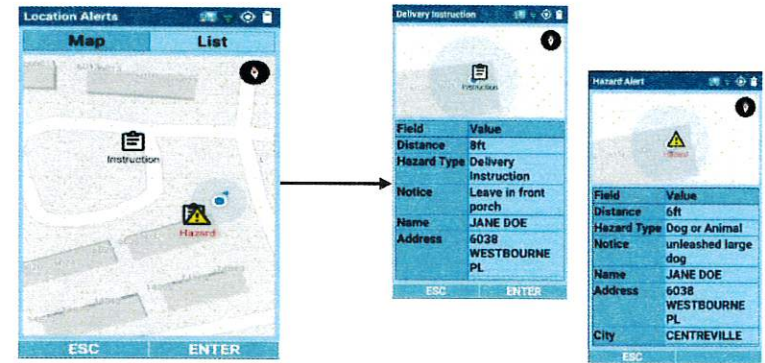
# Upon Breaking Geo Fence



When breaking the geo fence for a single hazard alert or delivery instruction, the detailed hazard alert or delivery instruction screen with map will be displayed.



The icons may overlap if multiple hazard alerts and delivery instructions are in the area, depending on the map zoom level.



If a delivery address has both, Hazard Alert and Delivery Instruction, the icons will overlap. When the cluster of icons is tapped, the delivery Instruction detailed screen with map will show. If the red 'Hazard' word (under the icons cluster) is tapped, the hazard alert detailed screen with map will show.

# eArrow Lock Enhancement / Upload eArrow Battery Level to RIMS

## Background

Offices are mentioning that the batteries in the eLocks are dying. There is currently no way to confirm the battery level of the eLock to proactively replace to avoid collection boxes from **NOT** being opened.

There is currently no visibility/report that shows if a collection box with an eLock installed is opened daily.

## Changes on MDD

- Upon finishing eArrow Unlock, the MDD will parse the eArrow Lock app's log to collect the Battery Level recorded in the most recent unlock.
- The Battery Level will be stored in the "batt" field in the eArrow usage record uploaded to RIMS.  
The Battery Level is in volts:
  - Accuracy: +/- 0.25 V
  - Precision: 0.05 V
  - Minimum value: 0 V
  - Maximum value: 12.75 V
- The eLock battery level captured by the MDD TR will be shown in RIMS eArrow Duration Report.

# eArrow Lock Enhancement / Upload eArrow Battery Level to RIMS

UNITED STATES POSTAL SERVICE

Enter search term to find a feature

User Guide | FAQ | RIMS Self Service | DMS | MOD Self Service | Sign Out

RIMS Home Firmsheets Reports Regmail Messaging Config Tracking Special Accountable Manifests Engineering

Turn Menus Off

Shortcuts

Reporting

- Custom D&MT Reports
- Custom D&MT Graphs
- Custom D&MT
- Dashboards
- Custom D&MT Maps
- GEO Alert Dashboard
- Undeliverable Dashboard
- Safely Exception Dashboard
- RIMS User Statistics Dashboard
- TACS Timekeeping Dashboard
- Global Label Search
- Global Scan Record Search
- Special GPS Record Search
- Monitoring/System Info
- Miscellaneous

Custom D&MT Reports - eArrow Duration Report

Description: All eArrow durations sent by MDD TR

Click here to select a report

Select and Group (anywhere) Search (anywhere) Sort (anywhere) descending

Search Clear

Results: Viewing items 1-27 of 27

AREA	DISTRICT	SYSTEM ID	FACILITY NAME	EVENT DATE	DEVICE ID	ROUTE ID	EMPLOYEE ID	SERIAL NUMBER	LABEL ID	MESSAGE	LATITUDE	LONGITUDE	START DATETIME	END DATETIME	DURATION SECONDS	BATTERY VOLTAGE	CREATION DATETIME
ATLANTIC	VIRGINIA	SYS15645	20151 - CHANTILLY POST OFFICE	2024-02-29 00:00:00	C210A09165	2033C042	00000036717	984184347307	LL0000000060	Ok Ok	38.872494	-77.233396	29-FEB-24 08:52:36 AM	29-FEB-24 08:52:36 AM	20	7.3	29-FEB-24 07:53:32 AM
ATLANTIC	VIRGINIA	SYS33445	20017 - BROOKLAND STATION	2024-02-22 00:00:00	C068A02617	2031C031	00000007119	20001	LL2305900033	Ok Ok	38.873778	-77.233406	27-FEB-24 11:32:16 AM	27-FEB-24 09:36:20 AM	-6956	4.01	27-FEB-24 10:25:01 AM
ATLANTIC	VIRGINIA	SYS33445	20017 - BROOKLAND STATION	2024-02-27 00:00:00	C068A08098	2031C077	00000037501	20001	LL2305900033	Ok Ok	38.873778	-77.233406	27-FEB-24 11:32:16 AM	27-FEB-24 09:36:20 AM	-6956	4.01	27-FEB-24 10:26:48 AM
ATLANTIC	VIRGINIA	SYS33445	20017 - BROOKLAND STATION	2024-02-27 00:00:00	C068A08098	2031C077	00000037501	20001	LL2305900033	Ok Ok	38.873778	-77.233406	27-FEB-24 11:32:16 AM	27-FEB-24 12:36:20 PM	3844	4.01	27-FEB-24 10:27:28 AM
ATLANTIC	VIRGINIA	SYS33445	20017 - BROOKLAND STATION	2024-02-27 00:00:00	C068A08098	2031C077	00000037501	20001	LL2305900033	Ok Ok	38.873778	-77.233406	27-FEB-24 11:32:16 AM	27-FEB-24 11:36:20 AM	244	4.01	27-FEB-24 10:27:39 AM
ATLANTIC	VIRGINIA	SYS33445	20017 - BROOKLAND STATION	2024-02-27 00:00:00	C068A08098	2031C677	00000037501	20001	LL2305900033	Ok Ok	38.873778	-77.233406	27-FEB-24 11:32:16 AM	27-FEB-24 11:36:20 AM	244	3.01	27-FEB-24 10:29:38 AM
ATLANTIC	VIRGINIA	SYS33445	20017 - BROOKLAND STATION	2024-02-27 00:00:00	C068A08098	2031C077	00000037501	20001	LL2305900033	Ok Ok	38.873778	-77.233406	27-FEB-24 11:32:16 AM	27-FEB-24 11:36:20 AM	244	1.01	27-FEB-24 10:29:53 AM

The information may be viewed in RIMS > Special tab > eArrow Duration Report to view report based on configured SYSTEM ID OR on RIMS > Engineering tab > Custom D&MT Reports > eArrow Duration Report to view all SYSTEM ID reports on RIMS

A new column is added in the eArrow Duration Report on RIMS to display the Battery Level of the eArrow locks.



## Arrow Key Enhancement

'Report Key' UI Update

### Background

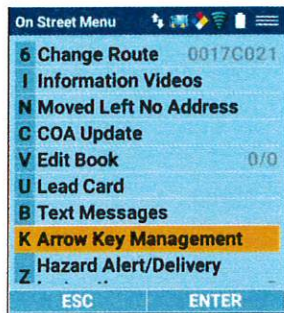
Carriers are reporting Lost/Stolen/Damaged keys in error on the MDD-TR. Reporting Lost-Stolen keys now require a survey to be completed. To prevent incorrect Lost/Stolen/Damaged reporting and also to reduce the number of surveys and related follow ups, a stricter submitting process is requested on the scanner for the carriers when reporting key Lost/Stolen/Damaged.

### Changes on MDD

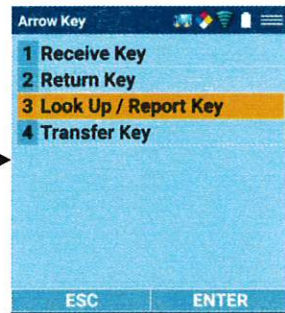
- The screen titles are updated to reflect the selected option within the Arrow Key Management workflow to help the carriers identify which process they are currently working with.
- The color of "Report Key" button in the Lookup / Report Key workflow is updated to Red to make it stand out.
- The selection of Lost/Stolen/Damaged is a regular screen rather than a popup, with a visible ESC button so that the user can back out. No option is highlighted by default.
- Upon selecting an option, the user will be prompted with the popup "Are you sure you want to report key X as LOST/STOLEN/DAMAGED?" where it will show the selected option LOST, STOLEN or DAMAGED.

# Arrow Key Enhancement

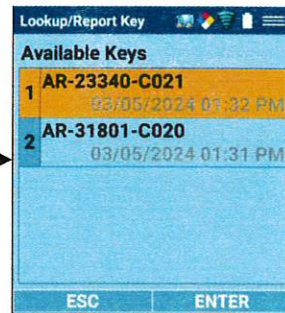
# 'Report Key' UI Update



Log in as City Carrier. From the **On Street Menu**, select **K. Arrow Key Management**



Follow workflow to receive key to proceed with option 3, then select 3. **Look Up/Report Key**



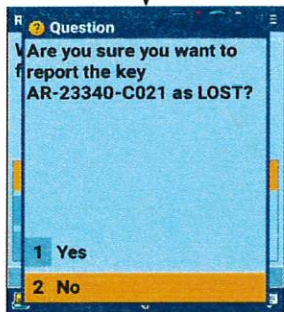
Select a key from list of carrier's current checked out keys and press **ENTER**



**Look Up/Report Key** screen appears with Arrow Key status. Press the red **Report Key** button



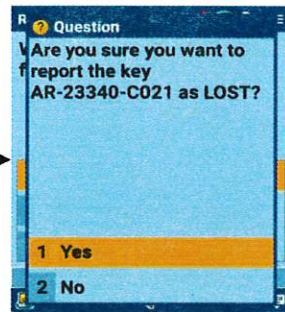
Selection of **Lost/Stolen/Damaged** is now a regular screen instead of a pop-up, with a visible **ESC** button. Select any option to continue report.



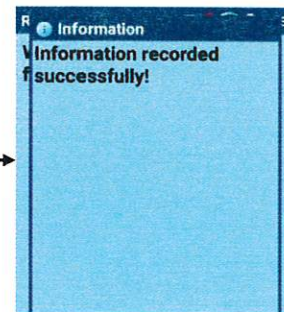
A new confirmation dialog appears with **Yes/No** options. User selects **2. No** to decline report selection



User returns to **Arrow Key** menu



A new confirmation dialog appears with **Yes/No** options. User selects **1. Yes** to confirm report selection



Information recorded successfully!



**Arrow Key** menu screen returns

# Updated International Signature Confirmation Flag

## Background

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

## Changes on MDD

Major mailers Belgium, Estonia, Luxembourg, and the Netherlands are requesting that all items with a CY prefix be signature suppressed at delivery. Canada, Denmark and Sweden are requesting that all items with a C prefix be signature suppressed. China is requesting that all items with a CX prefix be signature suppressed.

# Trimble Map Carving Service

## Background

The Trimble map currently stored on the SD card is intended for road and turn-by-turn navigation purpose. To provide a map view of the hazard alert and other point of interests to carriers, a topographic map is needed, which can have large-scale detail and quantitative representation of a land area, including road, street, property, and boundaries etc. Maps covering the working area of each facility shall be developed and made available to the scanners.

## Changes on MDD

- A Map Tile Carving tool shall be developed and installed on a USPS server. The function of the tool is to generate the Facility Map Tile packages for every facility and upload them to AWS S3 so that MDD TR devices can download the assigned map packages overnight.
- The MDD application shall check the AWS S3 for the facility map file. The nightly download process shall be extended to check for an updated *FacilityMap* package.
- If the date in the *FacilityMap* filename is newer than the date previously downloaded (or the MDD TR has not downloaded the file before), the MDD TR shall proceed to download the file and unzip the data into a *Maps* folder.

# CISO Request

## Administrator Log In Cooldown

### Background

A CISO test on the MDD TR device uncovered vulnerabilities accessing the supervisor and administrator modes on the MDD TR device. Additionally, no lockouts were in place after failed attempt during testing to prevent access to the device which could result in the possibility for data exposure by someone guessing obvious PIN choices.

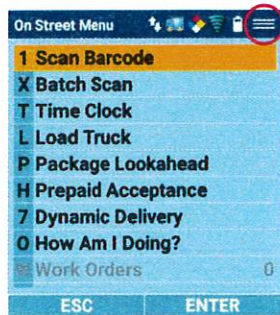
### Changes on MDD

Upon reaching the maximum number of failed attempts (default is set to 3 attempts within one hour) when entering the Administrator password on the device, the Administrator login will be locked until the cooldown time (default is set to 60 minutes) elapses. During cooldown, the device will show the error message, "Administrator login is not available."

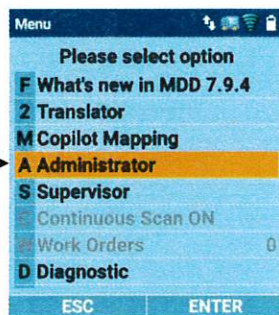
If there is tampering event suspected, the device will be locked, and referred for investigation thereby increasing the security of the device.

# CISO Request

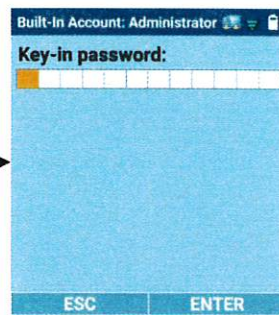
# Administrator Log In Cooldown



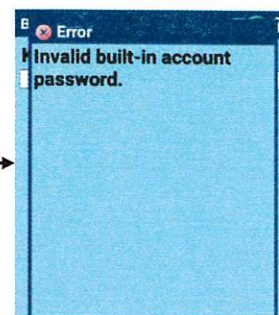
Select the **Hamburger Menu** located at the top right corner.



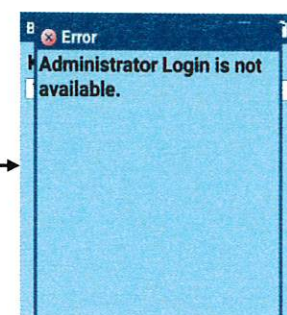
Select **A. Administrator**



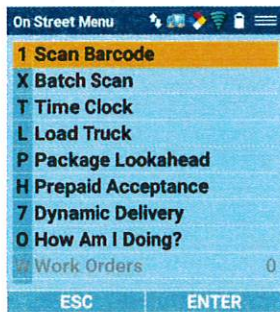
**Built-in Account: Administrator** password appears. User enters 3 invalid password attempts



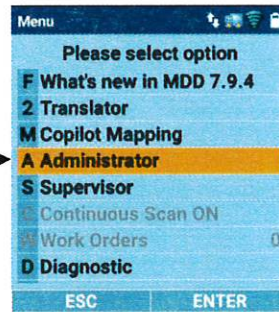
**"Invalid built-in account password"** error message will appear in the first and second failed attempts before returning to previous password screen.



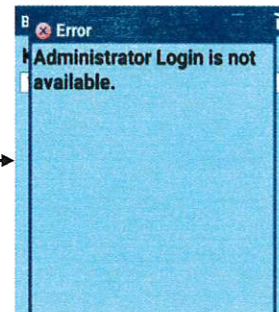
On the third failed attempt, the new login error message will display **"Administrator Login is not available."**



**On Street Menu** screen returns. Select **Hamburger Menu** again



Select **A. Administrator**



Error message **"Administrator Login is not available"** will block user from entering password until cooldown time elapses (default is 1 hour) then display returns to **Hamburger Menu** screen

**Note:** Upon reaching the maximum number of failed attempts to enter the Administrator password, the Administrator login will be blocked until the cooldown time elapses (maximum 3 failed attempts within 1 hour).

This feature is also available to use for the Supervisor login screen which behaves identically to the Administrator equivalent, however is set to 0 (disabled) by default.

# Updated OSW Data Encryption

## Background

CISO completed an assessment of the MDD TR hardware to evaluate potential risks to USPS, either through the hardware itself or through data obtained on the hardware.

The assessment identified an encryption weakness which will require updating the key-size for the RSA encryption used from 1024-bit to 2048-bit and adding padding into the section pertaining to encrypting signatures.

## Changes on MDD

Advanced cryptographic configuration will be implemented and increase signature data encryption.

## Service Type Code (STC) 317 Description Update

### Background

Service Type Code (STC) 317 needs to be updated to properly reflect the true description.

### Changes on MDD

No impact to user.

The service type description of STC 317 has been updated so that it is properly defined. The new description is Priority Mail Premium Forwarding Service – Residential and the abbreviation is PM PFSR.