



August 5, 2024

RECEIVED
AUG 16 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 August 19, 2024.

Release 8.02 includes the following:

- MDD TR Operating System Upgrade - Android 11
- Hazard Alert Enhancement: Add Additional Hazard Type
 - Slick-Uneven Surface
- Defect Fixes
 - Android 11 related
 - Blank Route ID in MEH record
 - Hazard Alert/Text Messages Causing Device to Appear Frozen
- Support NGDV Mirroring Application

Enclosed is the final draft copy of the MDD-TR Release 8.02 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 "J. Lloyd", written over the printed name of James Lloyd.

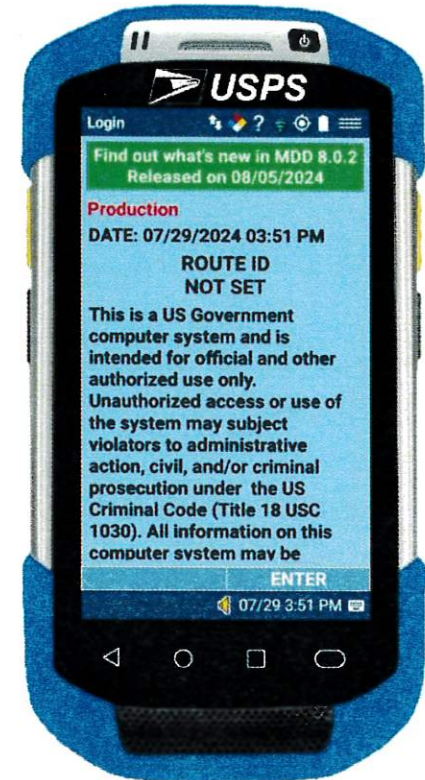
James Lloyd
Director
Contract Administration (NALC)

Enclosure

MDD TR Release 8.02

National: 08/19/2024

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- Hazard Alert Enhancement: Add Additional Hazard Type
 - Slick-Uneven Surface
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MDD TR Operating System Upgrade

Android 11

Background

The operating system on the MDD TR devices is currently running on Android 8 which was released in 2017. For the devices to continue to work properly, the operating system must be updated to a more current version. This update will ensure the information on the devices remains safe, the device is secured and working properly, and the applications and system remain compatible with each other.

Changes on MDD

No direct user impact. The changes will take place in background applications.

Hazard Alert Enhancement

Add Additional Hazard Type Slick-Uneven Surface

Background

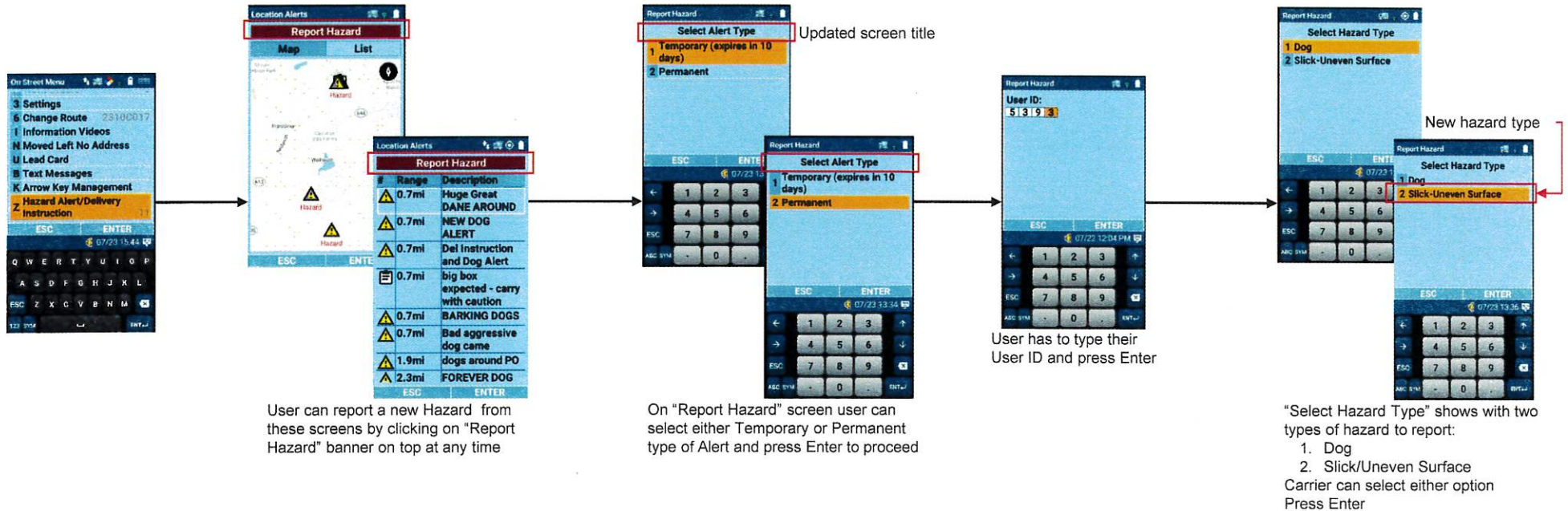
Inquiries have been received from multiple offices to ask if the “Slick Surface” option will be selectable when entering hazards on the MDD TR devices. Slick Surface not only applies to icy conditions, but to painted porches as well which are a common hazard for carriers. Another issue presented is raised pavement and uneven surfaces.

Changes on MDD

The MDD application is being updated to support field users in reporting “Slick-Uneven Surfaces” on the delivery routes.

Hazard Alert Enhancement

Upon first login, if any Hazard Alert/Delivery Instruction are present in a Facility, either of these two screens may appear. Otherwise, these screens may be accessed from the On Street menu as shown at the beginning of the workflow.



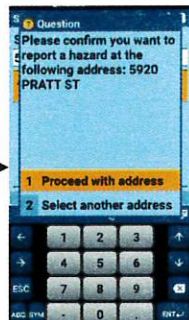
Note: As a reminder, Hazard Alert reporting is only available to City Carriers.

Hazard Alert Enhancement

Add Additional Hazard Type
Slick-Uneven Surface cont.



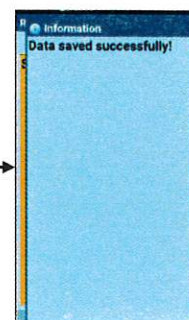
User Scan an address barcode or type address to select one from a search list then press Enter



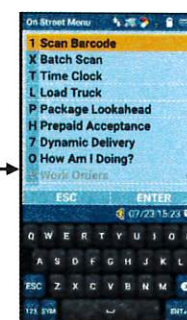
Proceed with the flow



Type a report and press Enter



Report recorded



On Street Menu displays

Hazard Warnings

New Hazard Warning

Route ID	User ID	Customer Name	Address	Description	Hazard Type	Hazard Year
	5363				- Select -	- Select -

Search Clear

Reported Hazards will be posted in RIMS as "Trip Hazard" type

Results: Viewing items 1-7 of 7.

Edit	ROUTE ID	User ID	Route ZIP Code	Customer Name	Address	City	State	Latitude	Longitude	Radius	Hazard Type	Description	Disabled	Expiration Date Time (CST)	Created By	Creation Date Time (CST)	Modified By	Modified Date Time (CST)
Edit	2310C017	5363	22310	UNKNOWN	5826 LA VISTA DR	ALEXANDRIA	VA	38.791469	-77.119689	75	Trip Hazard	BAD ROAD	No			26-Jul-24 10:48:33 AM		
Edit	2310C017	5363	22310	UNKNOWN	5460 ANNE LY LN	ALEXANDRIA	VA	38.786305	-77.127896	75	Trip Hazard	DONT TRIP OVER BRANCHES	No	25-Aug-25 12:00:00 AM		26-Jul-24 10:43:10 AM	TATIANA BELSKY	26-Jul-24 10:48:50 AM
Edit	2310C017	5363	22310	UNKNOWN	5820 KINGSTOWNE CTR	ALEXANDRIA	VA	38.774155	-77.135095	75	Trip Hazard	WET ASPHALT	No	05-Aug-24 12:00:00 AM		26-Jul-24 10:41:20 AM		

Defect Fix

Hazard Alert/Alert Messages Causing Device to Appear Frozen

Problem Description

Feedback has been received from the field that devices are appearing to freeze when RIMS Alert message is received and prompted while the Hazard Alerts list is in display at the same time on the device. In addition, numerous help desk tickets have been opened for resolution.

Changes on MDD

Ensure the MDD TR frontmost visual presentation always has the control focus. That way when a RIMS Alert message arrives while the Hazard Alerts list is in display, the MDD screen stays interactive and receive input from the users, i.e. screen tap and key press etc.

Defect Fix

Blank Route ID in MEH Record

Problem Description:

MDDC team reached out to advise that blank route IDs are being sent in the MEH records from the MDD TRs in Production.

Changes on MDD

MDD TR shall stop sending blank route in in the MEH record.

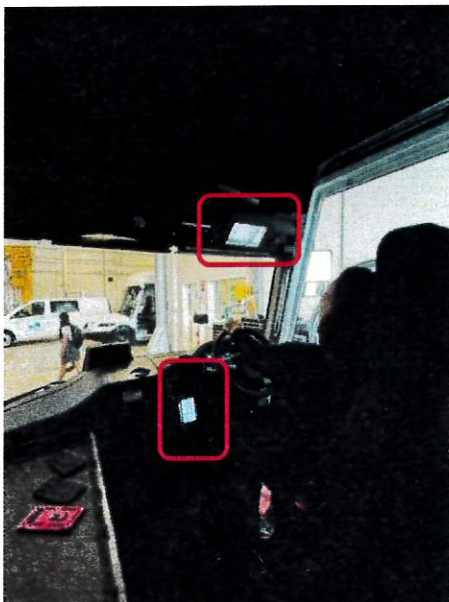
Description of the Fixes:

- Fixed issue where the Quick Login feature was available to use after a user was fully logged out by inserting the device into an office cradle.
- Quick Login is now disabled when the last office cradle time (Registry key LastInsideOfficeCradle) is later than the last login time for the user (LastLoginTime in the users.json).
- Quick Login is now disabled if the user's Route ID in users.json is blank.
- The Fix Users process (which ensures that stored user Route IDs are valid) now ignores users with role Clerk due to Clerk Route IDs not being valid for on street, and therefore they were being cleared out of the file.

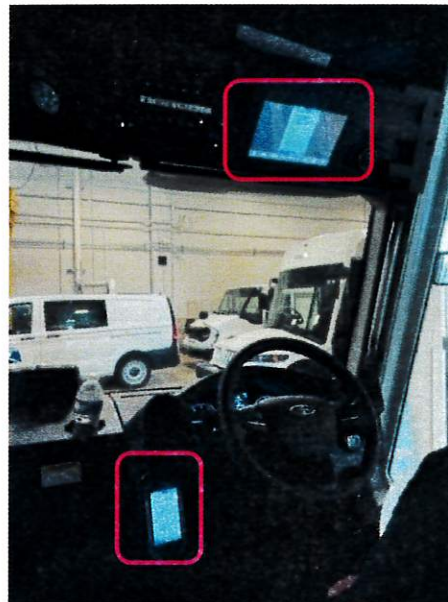
Support Next Gen Delivery Vehicle (NGDV) Mirroring Application



NGDV Mirroring



The vehicle cradle is located on the left side of the driver and the mirror display monitor is located on the top in front the driver.



Once the device is cradled in the vehicle cradle, the MDD screen will be displayed on the vehicle monitor, while the vehicle is in park.



When the driver starts driving the vehicle and the speed is <5 MPH, the front camera view is displayed on the vehicle monitor, once the speed is >5 MPH the monitor display automatically switches to the MDD screen. When the vehicle speed is <5 MPH, alert messages such as Text messages, Hazard Alerts and SPM will be displayed on the MDD screen but the text to speech (TTS) or the notification sound will come from the vehicle speakers.

NGDV Mirroring – Copilot Mapping



Turn by turn copilot mapping displays in landscape mode on the vehicle monitor. The turn by turn direction speech comes from the vehicle speakers. The level of the volume can be controlled by the volume icon on the bottom of the monitor display while the vehicle is in Park, the controls cannot be adjusted while driving or if the vehicle is in Drive/Reverse for safety reasons.