



August 5, 2022

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

**Certified Mail Tracking Number:**  
7020 3160 0002 0327 0939

Dear Ivan:

As a matter of general interest, the Postal Service plans to pilot the use of a new Quality Control (QC) App in SVMobile.

The QC App is part of the Barcode Quality Control process which assists the Postal Service in ensuring proper documentation and postage on packages.

Often multiple mailer packages are picked up by a single Postal Vehicle Service (PVS) driver. Some of the packages may have invalid barcode information, but due to the fact that the packages are on a single trip to the processing center, the Postal Service is not always able to determine which mailer is responsible for quality issues early in the mail flow process, resulting in loss of revenue due to underpaid postage.

The QC App will allow PVS drivers to scan a sampling of packages upon pickup from the major mailers. This information can then be reviewed for the proper documentation and postage.

The pilot will be conducted at the Queens, New York, Processing & Distribution Center (P&DC) and Los Angeles, California, P&DC. The pilot is scheduled to begin on August 15, with national roll-out anticipated beginning in September.

Enclosed on compact disc (CD) is a PowerPoint Presentation of the QC App and a short video clip showing a barcode being scanned using the QC App.

If you have any questions or concerns regarding this matter, please contact Robert Ocasio at 813-382-0869.

Sincerely,

A handwritten signature in blue ink, appearing to read "S. Richardson", with a long horizontal flourish extending to the right.

Shannon R. Richardson  
Director  
Contract Administration (APWU)

Enclosure

# Quality Control App

Phase 0

July 2022

## Background:

Currently, packages are being accepted with invalid information. Dock personnel have no means to validate the quality of these barcodes. Often multiple mailer packages are picked up by a single PVS driver, making it difficult to determine which mailer’s barcode was invalid. This process prevents USPS from quickly identifying quality issues earlier in the workflow, resulting in loss of revenue due to unpaid postage. USPS has requested updates to the SV application to digitize this process and provide simple quality control capabilities from the SVmobile device. Employees will scan either IMI (IBI) or IMpB barcodes for USPS to identify targeted conditions.

Updates will be developed and piloted in a phased approach, with iterative updates as new requirements are finalized. This will allow core updates to be deployed as quickly as possible while continuously working with USPS towards the end solution.

### Phase 0 (MVP)

- PVS Drivers scan IMI (IBI) or IMpB
  - Users will not receive device feedback based on scan results
- Scan event sent to SV backend (PVS only)
  - Barcode
  - Date/Time
  - Lat/Long
- Validation criteria will be manually loaded once provided by applicable groups (PPC, etc.)
- Validation results displayed in a temporary Qlik report (logic variable based on inputs from PPC applications)
  - IMI: Product ID, Creation Date, Duplicates
  - IMpB: MID
- Legacy alert framework will be used to communicate sampling requirements to PVS drivers (PVS Hazard Alerts)

### Phase 1

- Integration with TRP for validation criteria and validation response
- Integrate Phase 0 solution with “SV Proper”
  - Collect Route/Trip
- Enable Route-Trip capture on PVS (as applicable)
- Discontinue Qlik temporary application; reporting will be provided by TRP

### Future Phase(s)

- Integrate sampling into scanner workflow
  - Ex – trigger PVS sampling based on mailer pickup location
  - Ex – trigger SV dock sampling based on trip origin
- Integrate into Drop Shipment workflow
  - Exclude trusted mailers
- TBD sampling logic to enable use cases above

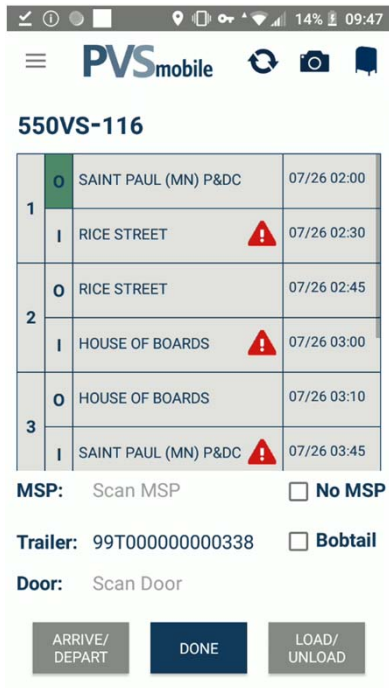
## Quality Control App Overview:

1. *SV Manager Level* users will leverage *existing PVS Hazard Alerts* to notify PVS Drivers that mail sampling and validation needs to occur at specific sites
2. *PVS Drivers* will use the *new Quality Control screen* on PVS mobile to scan selected barcodes
3. *USPS Stakeholders* can view results of the Quality Control activity in a *new SV Qlik Report*
  - Report will include:
    - Types of barcodes scanned
    - Valid or Invalid Indicator
      - Invalid Types from PPC
        - Invalid IMpb MID
        - Duplicate IBI/IMI
    - Lat/Long of the scan



PVS users will be notified to use the new Quality Control portion of the app via the PVS hazards alert functions. These Hazards will display every time a user departs to a facility where Quality Control should occur. Additionally, users can tap on the red indicator to view the alert.

PVS Hazard Alerts can be created in SVweb under the PVS Hazard Alerts webpage



**550VS-116**

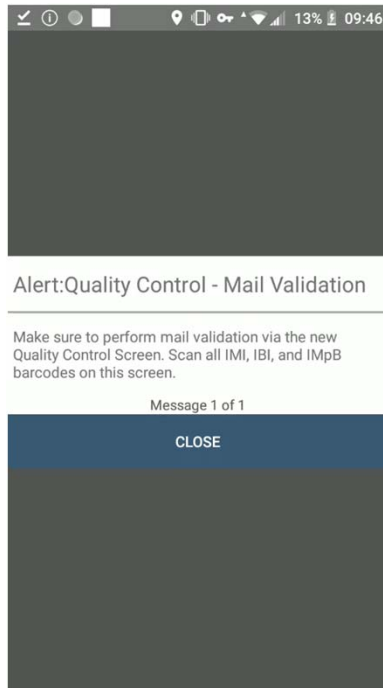
1	O	SAINT PAUL (MN) P&DC	07/26 02:00
	I	RICE STREET	07/26 02:30
2	O	RICE STREET	07/26 02:45
	I	HOUSE OF BOARDS	07/26 03:00
3	O	HOUSE OF BOARDS	07/26 03:10
	I	SAINT PAUL (MN) P&DC	07/26 03:45

**MSP:** Scan MSP  **No MSP**

**Trailer:** 99T000000000338  **Bobtail**

**Door:** Scan Door

ARRIVE/DEPART | DONE | LOAD/UNLOAD

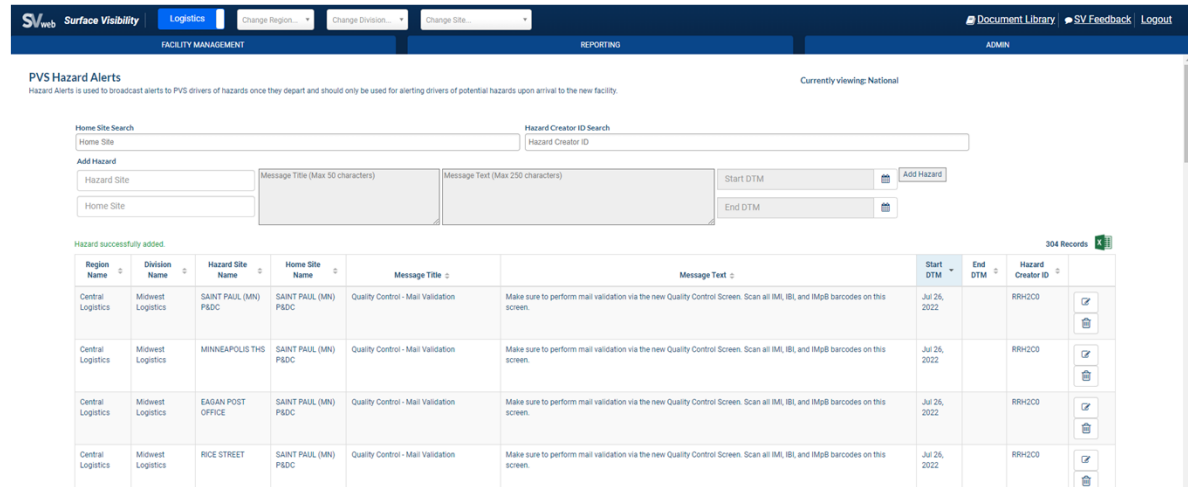


**Alert:Quality Control - Mail Validation**

Make sure to perform mail validation via the new Quality Control Screen. Scan all IMI, IBI, and IMpB barcodes on this screen.

Message 1 of 1

CLOSE



**PVS Hazard Alerts**

Hazard Alerts is used to broadcast alerts to PVS drivers of hazards once they depart and should only be used for alerting drivers of potential hazards upon arrival to the new facility.

Currently viewing: National

Home Site Search:  Hazard Creator ID Search:

Add Hazard

Hazard Site:  Message Title (Max 50 characters):  Message Text (Max 250 characters):  Start DTM:  Add Hazard

Home Site:  End DTM:

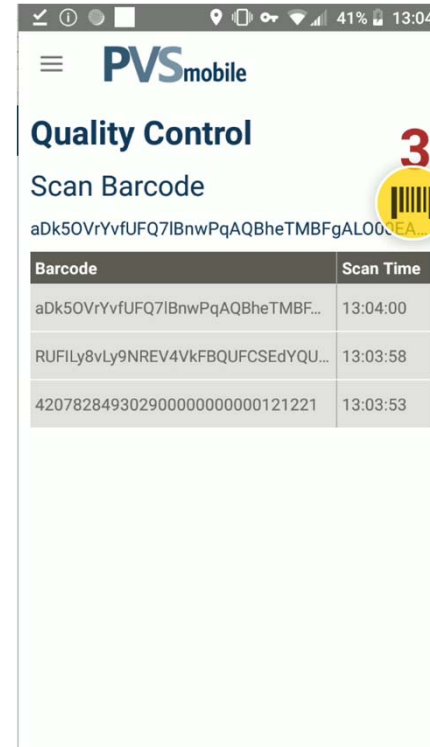
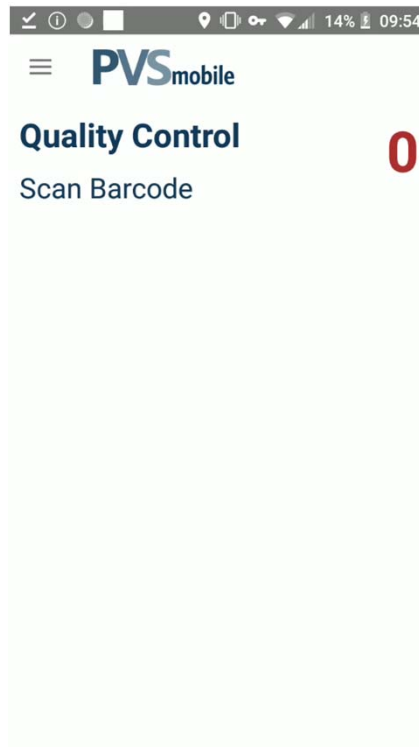
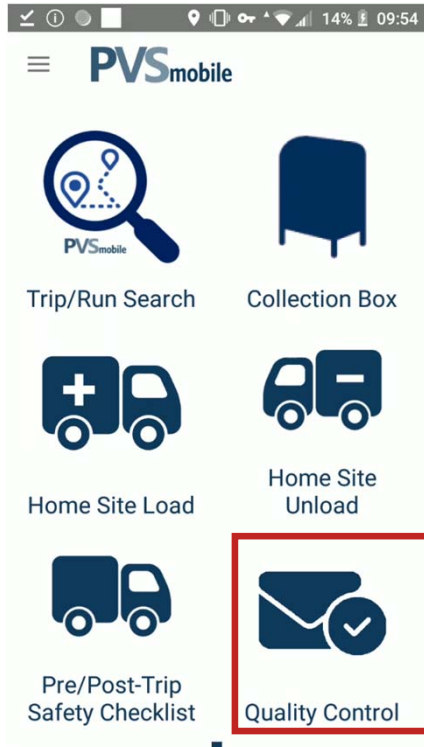
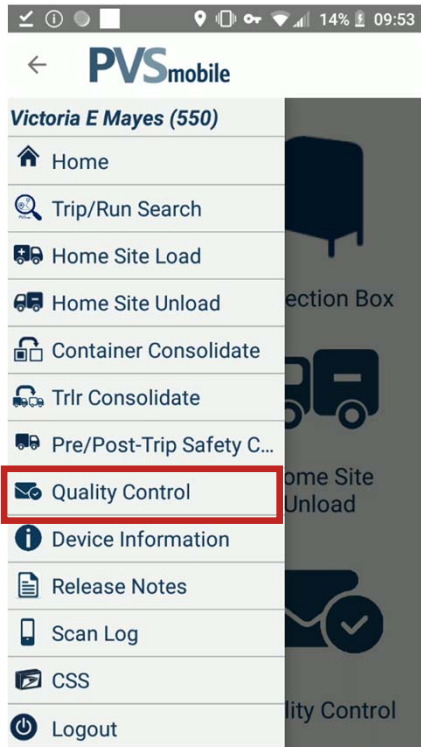
Hazard successfully added.

Region Name	Division Name	Hazard Site Name	Home Site Name	Message Title	Message Text	Start DTM	End DTM	Hazard Creator ID
Central Logistics	Midwest Logistics	SAINT PAUL (MN) P&DC	SAINT PAUL (MN) P&DC	Quality Control - Mail Validation	Make sure to perform mail validation via the new Quality Control Screen. Scan all IMI, IBI, and IMpB barcodes on this screen.	Jul 26, 2022		RRH200
Central Logistics	Midwest Logistics	MINNEAPOLIS THIS	SAINT PAUL (MN) P&DC	Quality Control - Mail Validation	Make sure to perform mail validation via the new Quality Control Screen. Scan all IMI, IBI, and IMpB barcodes on this screen.	Jul 26, 2022		RRH200
Central Logistics	Midwest Logistics	EADAN POST OFFICE	SAINT PAUL (MN) P&DC	Quality Control - Mail Validation	Make sure to perform mail validation via the new Quality Control Screen. Scan all IMI, IBI, and IMpB barcodes on this screen.	Jul 26, 2022		RRH200
Central Logistics	Midwest Logistics	RICE STREET	SAINT PAUL (MN) P&DC	Quality Control - Mail Validation	Make sure to perform mail validation via the new Quality Control Screen. Scan all IMI, IBI, and IMpB barcodes on this screen.	Jul 26, 2022		RRH200

304 Records

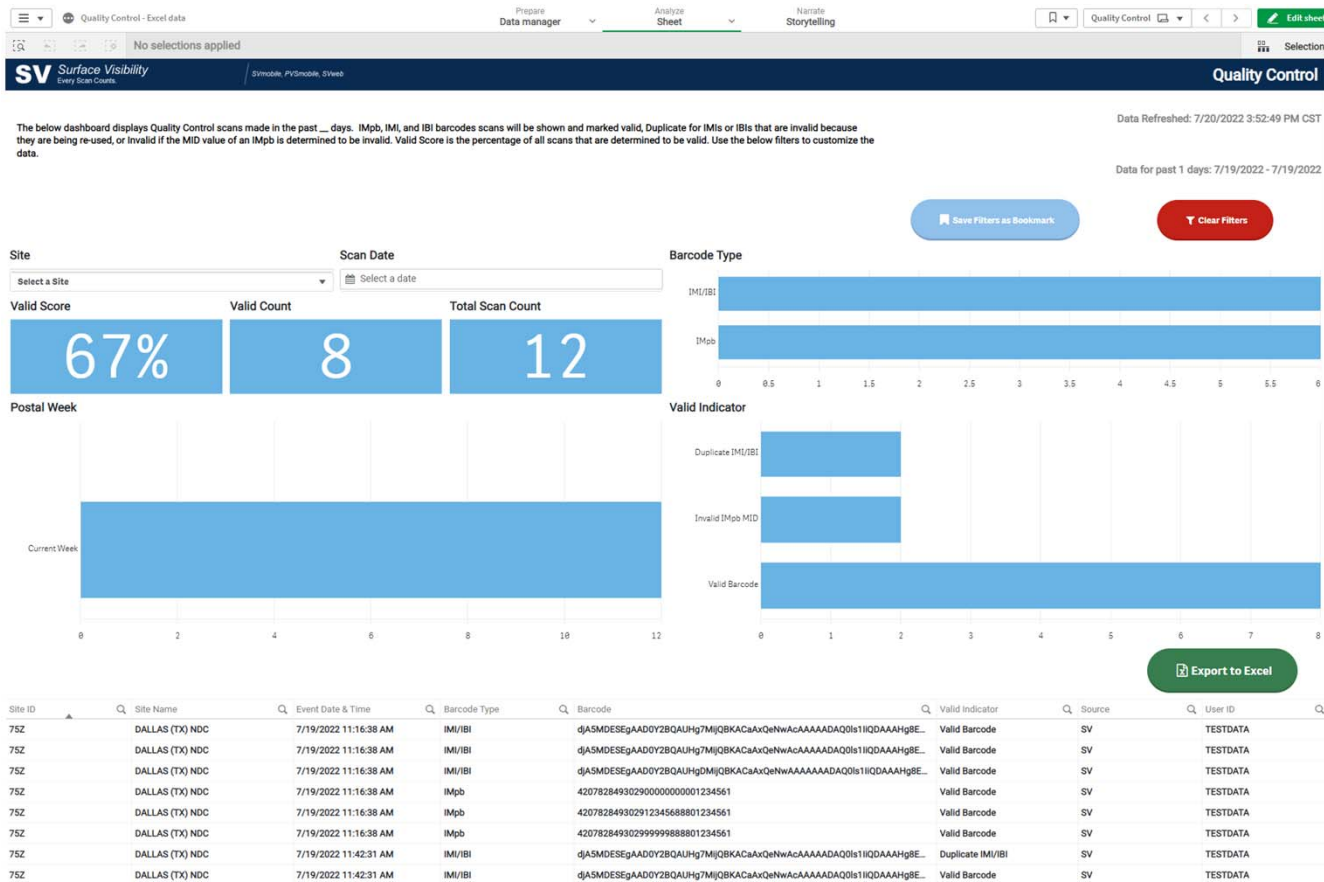


A new home screen and navigation menu option will display an icon for the Quality Control App. The app will allow users to scan IMI, IBI, and IMpb barcodes for validation. Users will NOT be notified if the mail is invalid.





A new report will display all valid and invalid barcodes based on the information SV receives from PPC (Package Platform Control).



## Example Barcodes

### IMpb Test Barcode



### IBI TEST BARCODE

Version: 16011T  
Postage: 23.75  
Date of Mailing: "Dec 07, 2017"  
LPO: 97015

Vendor: Hasler

Num Bytes: 89

### IMI TEST BARCODE

Indicia Ver. : 104  
Provider ID : 99  
Model ID : 9Z  
Date : 20150625  
Postage : 490  
Control Seq : 2220990003  
MID in RES 1:901633321

