



Finalist[®]

Release 9.21.0

Release Notes

This document contains information on the Finalist[®] 9.21.0 release. You can find complete documentation at <https://www.pitneybowes.com/us/support.html>.

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Who should upgrade to Release 9.21.0?

Finalist[®] users on all platforms.

Is this Finalist[®] release required?

The Finalist[®] 9.21.0 release is a non-mandatory maintenance release that fully supports all USPS[®] CASS[™] Cycle N requirements. We recommend that you upgrade to the Finalist[®] 9.21.0 release to take full advantage of this major update to your Finalist[®] software and to ensure compliance with USPS[®] CASS[™] Cycle N requirements.

UNITED STATES

<http://www.pitneybowes.com/us>

Technical Support:

<https://www.pitneybowes.com/us/support.html>

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Release 9.21.0 Highlights

The Finalist® 9.21.0 release includes the following enhancements and updates:

- [Finalist® 9.21.0 Software License Key](#)
- [USPS® CASS™ Cycle N Support](#)
- [USPS® Upcoming Changes](#)
- [New Delivery Point Validation \(DPV®\) Table Memory Options](#)
- [Configuration File Changes](#)
- [API Changes](#)
- [Structure Changes](#)
- [Copybook Changes](#)
- [AddrScan Changes](#)
- [User Interface \(UI\) Changes](#)
- [Report Changes](#)

Finalist® 9.21.0 Software License Key

The Finalist® 9.21.0 release does not require an updated software license key. In response to the USPS® announced extension of CASS™ Cycle N to July 31, 2019, Pitney Bowes previously issued Finalist® software license keys that were valid for **two years**. Your current Finalist® license key expires on July 31, 2019 and is valid for both the Finalist® 9.2.0 and 9.21.0 versions of the Finalist® software. A new Finalist® license key will be provided in a separate communication in advance of the July 31, 2019 expiration date.

USPS® CASS™ Cycle N Support

The Finalist® 9.21.0 release fully supports USPS® CASS™ Cycle N requirements. The Finalist® 9.21.0 release is a major update to your Finalist® software that includes enhancements and resolved reported issues. We recommend that you upgrade to Finalist® 9.21.0 at your earliest convenience to take advantage of the highest possible software product performance and reliability available with your Finalist® software.

You may continue to run Finalist® 9.2.0 as a CASS™-certified release based on your license key.

USPS® Upcoming Changes

The USPS® has announced an August 1, 2020 implementation date for CASS™ Cycle O. CASS™ Cycle N will expire on July 31, 2020.

New Delivery Point Validation (DPV®) Table Memory Options

The DPV® table processing now includes new "In" and "Out" values that determine whether or not to load each DPV® table into memory (In) or to use each DPV® table outside of memory.

DPV Table	Description
Commercial Mail Validation	<p>Indicate whether to perform CMRA processing. Private companies offering mailbox rental services to individuals and businesses are Commercial Mail Receiving Agents (CMRA).</p> <ul style="list-style-type: none">• OFF — Do not perform CMRA processing.• ON — Perform CMRA processing.• IN — Perform CMRA processing. Load the CMRA Table into memory. Disregard the DPV® Buffer Size setting (cDPVBufSize).• OUT — Perform CMRA processing. Use the CMRA Table outside of memory. Disregard the DPV® Buffer Size setting (cDPVBufSize).• Blank — Defaults to OFF.
DPV No-Stat Table	<p>DPV® processing uses the No-Stat Table to identify deliveries that are not valid for Computerized Delivery Sequence (CDS) pre-processing. Indicate whether to use the No-Stat Table and return the proper No-Stat code to the output.</p> <ul style="list-style-type: none">• OFF — Do not perform No-Stat Table processing.• ON — Perform No-Stat Table processing. For memory loading options, refer to the section "Maximizing Performance" in your <i>Finalist Installation Guide</i>.• IN — Perform No-Stat Table processing. Load the No-Stat Table into memory. Disregard the DPV® Buffer Size setting (cDPVBufSize).• OUT — Perform No-Stat Table processing. Use the No-Stat Table outside of memory. Disregard the DPV® Buffer Size setting (cDPVBufSize).• Blank — Defaults to OFF.
DPV Vacant Table	<p>DPV® processing uses the Vacant Table to identify delivery addresses that have been active in the past but, according to USPS data, have not been occupied within the last 90 days. Indicate whether to use the Vacant Table and return the proper Vacant code to the output.</p> <ul style="list-style-type: none">• OFF — Do not perform Vacant Table processing.• ON — Perform Vacant Table processing. For memory loading options, refer to the section "Maximizing Performance" in your <i>Finalist Installation Guide</i>.• IN — Perform Vacant Table processing. Load the Vacant Table into memory. Disregard the DPV® Buffer Size setting (cDPVBufSize).• OUT — Perform Vacant Table processing. Use the Vacant Table outside of memory. Disregard the DPV® Buffer Size setting (cDPVBufSize).• Blank — Defaults to OFF.
DPV PBSA Table	<p>DPV® processing uses the PBSA Table to identify PO Box Street Addresses (PBSA). A PBSA address is a street address that represents a USPS PO Box. Indicate whether to use the PBSA Table and return the PBSA result to the output.</p> <ul style="list-style-type: none">• OFF — Do not perform PBSA Table processing.• ON — Perform PBSA Table processing. For memory loading options, refer to the section "Maximizing Performance" in your <i>Finalist Installation Guide</i>.• IN — Perform PBSA Table processing. Load the PBSA Table into memory. Disregard the DPV® Buffer Size setting (cDPVBufSize).• OUT — Perform PBSA Table processing. Use the PBSA Table outside of memory. Disregard the DPV® Buffer Size setting (cDPVBufSize).• Blank — Defaults to OFF.

DPV Table	Description
DPV DNA Table	<p>DPV[®] processing uses the Door Not Accessible (DNA) Table to identify delivery addresses where carriers cannot knock on the door for mail delivery or where carriers cannot physically access a residence/building such as rural/highway contact route (HCR), long driveway, or gated community. Indicate whether to use the DNA Table and return the proper DNA code to the output.</p> <ul style="list-style-type: none"> • OFF — Do not perform DNA Table processing. • ON — Perform DNA Table processing. For memory loading options, refer to the section "Maximizing Performance" in your <i>Finalist Installation Guide</i>. • IN — Perform DNA Table processing. Load the DNA Table into memory. Disregard the DPV[®] Buffer Size setting (cDPVBufSize). • OUT — Perform DNA Table processing. Use the DNA Table outside of memory. Disregard the DPV[®] Buffer Size setting (cDPVBufSize). • Blank — Defaults to OFF.
DPV Throwback Table	<p>DPV[®] processing uses the P.O. Box Throwback Table to identify a delivery point that is a street address where mail is not delivered. Instead, delivery is made to the customer's P.O. Box address. Indicate whether to use the P.O. Box Throwback Table and return the proper Throwback code to the output.</p> <ul style="list-style-type: none"> • OFF — Do not perform P.O. Box Throwback Table processing. • ON — Perform P.O. Box Throwback Table processing. For memory loading options, refer to the section "Maximizing Performance" in your <i>Finalist Installation Guide</i>. • IN — Perform P.O. Box Throwback Table processing. Load the P.O. Box Throwback Table into memory. Disregard the DPV[®] Buffer Size setting (cDPVBufSize). • OUT — Perform P.O. Box Throwback Table processing. Use the P.O. Box Throwback Table outside of memory. Disregard the DPV[®] Buffer Size setting (cDPVBufSize). • Blank — Defaults to OFF.
DPV NSL Table	<p>DPV[®] processing uses the No Secure Location (NSL) table to identify delivery locations that are not secure. For example, a carrier can access a door but cannot leave a package due to security concerns. The NSL designation alerts mailers to locations where businesses are closed on certain days and locations without mail receptacles (i.e., a storefront). Indicate whether to use the NSL Table and return the proper NSL code to the output.</p> <ul style="list-style-type: none"> • OFF — Do not perform NSL Table processing. • ON — Perform NSL Table processing. For memory loading options, refer to the section "Maximizing Performance" in your <i>Finalist Installation Guide</i>. • IN — Perform NSL Table processing. Load the NSL Table into memory. Disregard the DPV[®] Buffer Size setting (cDPVBufSize). • OUT — Perform NSL Table processing. Use the NSL Table outside of memory. Disregard the DPV[®] Buffer Size setting (cDPVBufSize). • Blank — Defaults to OFF.

Configuration File Changes

The Finalist[®] 9.21.0 release includes configuration file (pbfncfg) changes.

Product Section

The configuration file product section includes new values for the Delivery Point Validation (DPV[®]) tables. For each field listed, the new "In" and "Out" values determine whether each DPV[®] table is loaded into memory (In) or used outside of memory (Out). For more detailed information, refer to "[New Delivery Point Validation \(DPV[®]\) Table Memory Options](#)" on page 3.

- DPV[®] No-Stat Table
- DPV[®] Vacant Table
- DPV[®] PBSA Table
- DPV[®] DNA Table
- DPV[®] Throwback Table
- DPV[®] NSL Table
- Commercial Mail Validation

API Changes

The Finalist® 9.21.0 release includes API changes.

Obsolete Phonetic APIs Removed

The following APIs have been removed and are no longer supported.

- PBCSCreatePhoneticList
- PBCSCreatePhoneticListFlat

Structure Changes

The Finalist® 9.21.0 release includes structure changes. The Finalist® structures that were deprecated in the Finalist® 9.2.0 release have been removed in the Finalist® 9.21.0 release.

Deprecated Structures Removed

The PBFNAddressDataDef structure was added in a previous release to consolidate and streamline the number of structures needed for processing. Previously, address information, although identical in function and purpose, was duplicated in multiple structures. The PBFNAddressDataDef structure provides one structure for defining, initializing, passing, and retrieving address information. As announced in previous releases, these deprecated structures have been deleted in the Finalist® 9.21.0 release and replaced with the PBFNAddressDataDef structure.

- PBFNAddressInfoDef
- PBFNDPVDetailDef
- PBFNExtendedErrorDef (will remain for use with PBFNInit call)
- PBFNInfoDef (will remain for use with PBFNInfo call)
- PBFNLabelLineDef
- PBFNLACSSeedDetDef
- PBFNParsedAdrAltDef
- PBFNParsedAdrDef
- PBFNProcessDataAltDef
- PBFNProcessDataDef
- PBFNRtnFirmDef
- PBFNRtnOrigDataDef



Any user drivers that use the deleted structures need to be modified to use PBFNAddressDataDef as previously described in the Finalist® 9.2.0 Release Notes.

Field Name Changes

For most of the removed structures that have been replaced with the PBFNAddressDataDef structure, the transition is seamless as the field names have not changed with the following exceptions:

- Previously, the Abbreviated City Name field was 20 characters in length in the PBFNProcessDataAltDef structure. The PBFNProcessDataAltDef structure has been removed in the Finalist 9.21.0 release and replaced with the PBFNAddressDataDef structure. The Abbreviated City Name field is 14 characters in length in the PBFNAddressDataDef structure. The maximum length of the abbreviated city name is 13 characters.
- For COBOL, generally, field names can be changed by performing a global change of all field names from PBFN-ZRTN-XXXXX to PBFN-RRTN-XXXXX. For example, PBFN-ZRTN-FIRM changes to PBFN-RRTN-FIRM.
- Some PBFNAddressInfoDef structure field names had to be renamed when merged into the PBFNAddressDataDef structure. For example, PBFN-CADS-FIRM changed to PBFN-ADRS-ADSFIRM.

Obsolete Phonetic Structures Removed

The following structures have been removed and are no longer supported.

- DbxGetPhoneticInDef
- DbxGetPhoneticOutDef

PBFNExtendedErrorDef

The PBFNAddressDataDef structure includes the PBFNExtendedErrorDef structure information. The PBFNExtendedErrorDef structure has been removed from the PBFNProcess call; however, the PBFNExtendedErrorDef structure is still valid for the PBFNInit call.

PBFNInfoDef

The PBFNSetupDef structure includes the PBFNInfoDef structure information. The PBFNInfoDef structure has been removed from the PBFNInit call; however, the PBFNInfoDef structure is still valid for the PBFNInfo call.

For more information on the PBFNAddressDataDef structure, please refer to "PBFNAddressDataDef" in Chapter 2, Using the Structures and Constants, in your *Finalist® Reference Guide*.

PBFNSetupDef

The PBFNSetupDef structure includes new values for the following fields to determine whether DPV tables should be loaded into memory or used outside of memory.

- cAssignCMRA
- cAssignDPVNoStat
- cAssignDPVVacant
- cAssignDPVPBSA
- cAssignDPVDNA
- cAssignDPVNSL
- cAssignDPVTHRWBK

For more information about the new values for these PBFNSetupDef fields, see "[New Delivery Point Validation \(DPV®\) Table Memory Options](#)" on page 3.

Copybook Changes

The Finalist® 9.21.0 release includes copybook changes.

Deleted Copybooks

The BAL and COBOL copybooks that correspond to the structures that were deprecated in the Finalist® 9.2.0 release and deleted in the Finalist 9.21.0 release have been removed in the Finalist® 9.21.0 release.

Copybook	Deleted Structure
PBFNCADS PBNFCADS	PBFNAddressInfoDef
PBFNUDPH PBNFUDPH	PBFNDPVDetailDef
PBFNKLBL PBNFKLBL	PBFNLabelLineDef
PBFNODTL PBNFODTL	PBFNLACSSeedDetDef

Copybook	Deleted Structure
PBFNVPDS PBFNWRPA PBNFVPDS PBNFWRPA	PBFNPBFNParsedAdrAltDef
PBFNJRPA PBFNLPDS PBFNJRPA PBNFLPDS	PBFNParsedAdrDef
PBFNXPDS PBFNZRTN PBNFXPDS PBNFZRTN	PBFNProcessDataAltDef
PBFNAPDS PBFNHRTN PBNFAPDS PBNFHRTN	PBFNProcessDataDef
PBFNFRTF PBNFFRTF	PBFNRtnFirmDef
PBFNMRTN PBNFMRTN	PBFNRtnOrigDataDef

For more information, see ["Deprecated Structures Removed" on page 5](#).

Changed Copybooks

PBFNGCFG

The PBFNGCFG copybook for the PBFNSetupDef structure includes the new "In" and "Out" values that determine whether DPV tables should be loaded into memory or used outside of memory. For more information about the new DPV table values, see ["New Delivery Point Validation \(DPV®\) Table Memory Options" on page 3](#).

AddrScan Changes

The Finalist® 9.21.0 release includes AddrScan changes.

Identifying Unused Input Lines

AddrScan includes a new field that identifies any input lines that were not used during processing.

Example

AddrScan accepts up to six address lines as input. In this example, AddrScan used lines 1, 2, 3, and 5 to process the input address. Input lines 4 and 6 were not used. The unUsedLines (ADDRPASS-UNUSED) six-byte field displays:

```
46<blank><blank><blank><blank>
```

Blanks are used as placeholders to fill the six-byte field.

New Returned Line Option

AddrScan includes a new Returned Line 2 option of "9". For option 9, AddrScan returns the first valid line above the city line similar to Returned Line 2 option of "5". However, if that criteria is not met resulting in a blank second line, AddrScan returns the topmost unused line in return line 2.

Example

Input address:

```
INMAN SQUARE  
1360 CAMBRIDGE STREET  
STELLA BELLA TOYS  
CAMBRIDGE, MA 02139
```

Returned output when specifying 95N:

```
[0]: 1360 CAMBRIDGE ST  
[1]: blank  
[2]: CAMBRIDGE MA  
[3]: INMAN SQUARE
```

Returned output when specifying 99N (with the new Returned Line 2 option "9"):

```
[0]: 1360 CAMBRIDGE ST  
[1]: STELLA BELLA TOYS  
[2]: CAMBRIDGE MA  
[3]: INMAN SQUARE
```

NOTE: The two lines above STELLA BELLA TOYS have been used. Even though STELLA BELLA TOYS is the third input line, it is the topmost unused line and AddrScan returns STELLA BELLA TOYS in the second output line. This gives both STELLA BELLA TOYS and INMAN SQUARE a chance to be returned by Finalist® in the final output address block.

For more information, see Chapter 8 AddrScan in your *Finalist® User's Guide*.

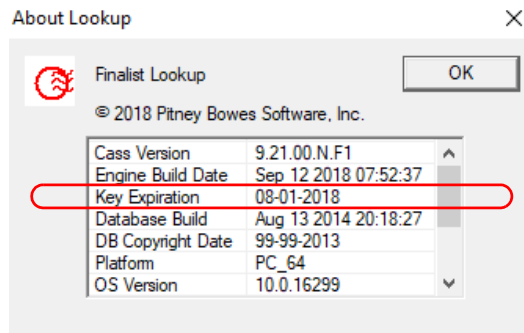
User Interface (UI) Changes

The Finalist® 9.21.0 release includes the following UI changes.

Windows

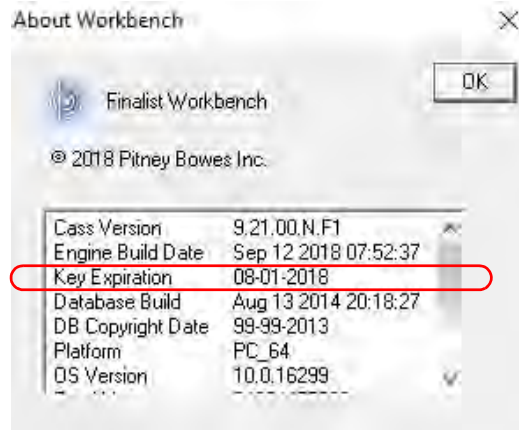
Lookup Tool

You can now access the expiration date of your software key from the About Lookup dialog box. From the **Help** menu, click **About Lookup**. The About Lookup dialog box displays the current version information for the Finalist Lookup Tool including the expiration date for your Finalist® software key.



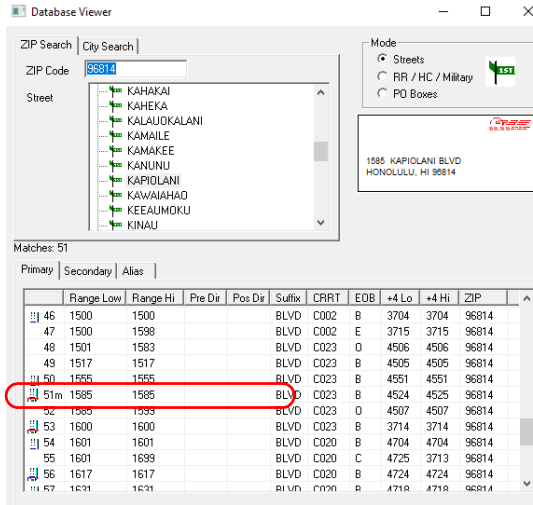
Workbench

You can now access the expiration date of your software key from the About Workbench dialog box. From the **Help** menu, click **About Workbench**. The About Workbench dialog box displays the current version information for the Finalist Workbench including the expiration date for your Finalist® software key.

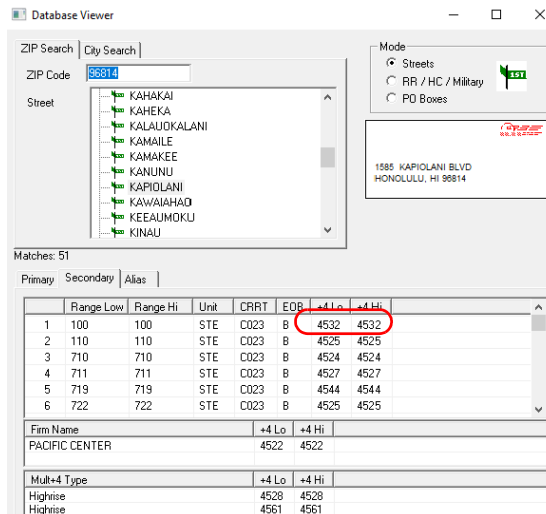


Database Viewer

You can now use the Lookup Tool Database Viewer to determine if there are multiple +4 codes for a primary range. The **Primary Tab** displays "m" next to the entry number in the first column if multiple +4 codes exist for the primary range.



To view the multiple +4 information, click on a highrise designated with "m". The **Secondary Tab** displays the high and low multiple +4 codes in the new Mult+4 Type pane.



PBFN Config Setting - Product Tab

The PBFN Config Setting - Product Tab has been updated for the new "In" and "Out" values that determine whether or not to load each DPV table into memory (In) or to use each DPV table outside of memory (Out).

PBFN Config Setting

Files | CASS | CASS Cont'd | Process | Product | Report

Exception Table: ExceptionCards.txt

EWS Filename: D:\DB\CycleN\BASE\ews.txt

LOT Filename: D:\DB\CycleN\ELOT\ELOT.dir

DPV Filepath: D:\DB\CycleN\DPV

RDI Filepath: D:\DB\CycleN\RDI

LACS Filepath: D:\DB\CycleN\LACS

SuiteLink Filepath: D:\DB\CycleN\SUITELINK

Options

- Early Warning System
- Residential Delivery Indicator

DPV

Mode: FLT Tie Break

Shutdown Indicator: WARNING

Buffer Size: Medium

DPV Tables

CMRA: IN Vacant: ON DNA: OFF Throwback: OFF

PBSA: OUT NoStat: ON NSL: OFF

LACSLINK

LACSLINK Memory: Small

SuiteLink

SuiteLink Memory: Small Shutdown Indicator: SHUTDOWN

Keys

Software Key: []

DPV Key: []

LACS Key: []

OK Cancel

For more information, see "New Delivery Point Validation (DPV®) Table Memory Options" on page 3.

CICS

The Finalist® 9.21.0 release includes changes to the CICS Product Information Screen. The Software Versions section includes a new Expiration Date field that displays the expiration date for your Finalist® software key.

```
FINALIST ON-LINE N. N. N                                (C) YYYY PITNEY BOWES INC.  
                                                         PRODUCT INFO   HH:MM:SS  
  
FINALIST STREET DATA FILE  
VERSION          : N. NN. NN. N. NN  
CREATED DATE     : MM-DD-YYYY  
EXPIRATION DATE  : MM-DD-YYYY  
TYPE             : FULL (ZIP, ZIP+4 AND CARRIER ROUTES)  
COVERAGE        : NATIONAL  
  
FINALIST CITY FILE                                     USPS EWS DATA FILE  
VERSION          : N. NN. NN. N. NN                     COPYRIGHT DATE: MM-DD-YYYY  
CREATED DATE     : MM-DD-YYYY  
EXPIRATION DATE  : MM-DD-YYYY  
  
SOFTWARE VERSIONS  
ENGINE          : N. NN. NN. N. NN  
EXPIRATION DATE : MM-DD-YYYY  
  
PF KEYS=====
```

PF1:	N/A	PF2:	N/A	PF3:	N/A	PF4:	N/A	PF5:	N/A	PF6:	N/A
PF7:	N/A	PF8:	N/A	PF9:	N/A	PF10:	N/A	PF11:	N/A	PF12:	EXIT

IMS

The Finalist® 9.21.0 release includes changes to the IMS Product Information Screen. The Software Versions section includes a new Expiration Date field that displays the expiration date for your Finalist® software key.

```
FINALIST ON-LINE N. N. N                                (C) YYYY PITNEY BOWES INC.  
                                                         PRODUCT INFO   HH:MM:SS  
  
FINALIST STREET DATA FILE  
VERSION          : N. NN. NN. N. NN  
CREATED DATE     : MM-DD-YYYY  
EXPIRATION DATE  : MM-DD-YYYY  
TYPE             : FULL (ZIP, ZIP+4 AND CARRIER ROUTES)  
COVERAGE        : NATIONAL  
  
FINALIST CITY FILE                                     NNCOPYRIGHT DATE: MM-DD-YYYY  
VERSION          : N. NN. NN. N. NN  
CREATED DATE     : MM-DD-YYYY  
EXPIRATION DATE  : MM-DD-YYYY  
  
SOFTWARE VERSIONS  
ENGINE          : N. NN. NN. N. NN  
EXPIRATION DATE : MM-DD-YYYY  
  
PF KEYS=====
```

PF1:	N/A	PF2:	N/A	PF3:	N/A	PF4:	N/A	PF5:	N/A	PF6:	N/A
PF7:	N/A	PF8:	N/A	PF9:	N/A	PF10:	N/A	PF11:	N/A	PF24:	EXIT

Report Changes

The Finalist® 9.21.0 release includes report changes to the Finalist® Batch Report and the USPS Form 3553 (CASST™ Summary Report).

Finalist® Batch Report - Page 3

The DPV Table fields in the Product Section on Page 3 will display new "In" and "Out" values. When specified, the new "In" and "Out" values determine whether each DPV® table is loaded into memory (In) or used outside of memory (Out). For more detailed information, refer to ["New Delivery Point Validation \(DPV®\) Table Memory Options" on page 3](#).

Finalist Batch Report © YYYY PITNEY BOWES INC.

Page 3

Product Section:

Exception Table Filename:	
EWS Filename:	D:\PitneyBowes\Cycle\NBASE\ews.txt
LOT Filename:	D:\PitneyBowes\Cycle\N\ELOT\ELOT.dir
DPV Filepath:	D:\PitneyBowes\Cycle\N\DPV\
RDI Filepath:	D:\PitneyBowes\Cycle\N\RDI\
LACSLink Filepath:	D:\PitneyBowes\Cycle\N\LACS
SuiteLink Filepath:	D:\PitneyBowes\Cycle\N\suiteLink
Early Warning System:	ON
Delivery Point Validation:	FLT
DPV Shutdown Indicator:	W
Delivery Point Validation Tie Break:	ON
DPV Vacant Table:	ON
DPV No-Stat Table:	ON
DPV PBSA Table:	OFF
DPV DNA Table:	ON
DPV Throwback Table:	ON
DPV NSL Table:	ON
DPV Buffer Size:	L
LACSLink:	ON
LACSLink Memory:	L
Residential Delivery Indicator:	OFF
Commercial Mail Validation:	ON
SuiteLink:	ON
SuiteLink Small Memory Flag:	L
SuiteLink Shutdown Indicator:	S
Return SLK Input Secondary:	B

Report Section:

Report Filename:	report.txt
Report Title:	Finalist Report File From PBFN.CFG
Detail Report Page Length:	0
Detail Report Max Records:	0
Detail Report Nth Records:	0
I/O Report Option:	OFF
Isol Report Option:	OFF
Sugg Report Option:	OFF
Info Report Option:	OFF

Log Section:

Log Filename:	log.txt
Log Level:	3

Finalist® Batch Report - Page 5

The "ZIP Codes Assigned" section has been removed from Page 5 of the Finalist® Batch Report. The calculations for this section included City/State/ZIP Code™ lookups that do not always result in assigned output values.

Previous Finalist® Batch Report - Page 5

Finalist Batch Report	Page 5	
ZIP Codes Assigned	Count	%
Without Verification:	146584	96.72
With Verification:		
From City and State:	2409	1.59
Ignoring Bad City:	1498	0.99
	=====	
Total	150491	99.30
Carrier Routes Assigned To:	Count	%
Highway Contracts:	2496	1.65
Post Office Boxes:	10717	7.07
Rural Routes:	39782	26.25
All Others:	87341	57.63
	=====	
Total	140336	92.60
ZIP+4 Codes Assigned To:	Count	%
Streets:	101618	67.05
PO Boxes:	10458	6.90
High Rises:	22564	14.89
Rural Routes:	433	0.29
Firms:	126	0.08
General Delivery:	38	0.03
Military:	154	0.10
	=====	
Total	135391	89.34

Finalist® 9.21.0 Batch Report - Page 5

Finalist Batch Report	Page 5	
Carrier Routes Assigned To:	Count	%
Highway Contracts:	2496	1.65
Post Office Boxes:	10717	7.07
Rural Routes:	39782	26.25
All Others:	87341	57.63
	=====	
Total	140336	92.60
ZIP+4 Codes Assigned To:	Count	%
Streets:	101618	67.05
PO Boxes:	10458	6.90
High Rises:	22564	14.89
Rural Routes:	433	0.29
Firms:	126	0.08
General Delivery:	38	0.03
Military:	154	0.10
	=====	
Total	135391	89.34

The "Total ZIP Codes Assigned" field on Page 4 of the Finalist® Batch Report provides a calculation of ZIP Codes Assigned based on USPS® CASS™ guidelines.

Processing Summary	Count	%
Total ZIP Codes Assigned:	150104	99.04
Total Carrier Routes Assigned:	140336	92.60
Total ZIP+4 Codes Assigned:	135391	89.34
Total records with LACS indicator:	1996	1.32
Total LOT Assigned:	0	0.00
Total RDI Identified:	128736	84.94
Total Valid But Undeliverable Addresses on AMS (4600):	81	0.05
Total ZIP+4 Suppressed due to DPV Failure (4601):	4864	3.21
Total ZIP+4 Suppressed due to R777 Failure (4602):	0	0.00

USPS® Form 3553 (CASS™ Summary Report)

The Finalist® 9.21.0 release includes an updated USPS® Form 3553 (CASS™ Summary Report). The USPS® revisions to the USPS® Form 3553 (CASS™ Summary Report) include:

- Deleting references to DirectDPV
- Revising descriptive text for LACS^{Link}®

Installation Changes

Always follow the installation procedure provided in the *Finalist® Installation Guide* for the current release. Do not use installation procedures or JCL from previous releases of Finalist® to install the Finalist® 9.21.0 release.

Recompile of Programs May Be Required

If you are currently processing with a Finalist® release prior to 9.21.0 and using structures that are now deprecated and deleted, you must recompile all of your drivers with the Finalist® 9.21.0 changes.

JCL Changes

The Finalist® 9.21.0 release includes corrections to comments in the mainframe INSTALLB and INSTALLC JCL.

Windows

Start Menu

The Windows platform Start Menu has changed for the Finalist® 9.21.0 release.

Previously, the Start Menu for Finalist® on the Windows platform was:

```
Start Programs/Pitney Bowes/Finalistxxx
```

Beginning with the Finalist® 9.21.0 release, the Start Menu for Finalist® on the Windows platform is:

```
Start Programs/Pitney Bowes Finalist xxx
```

In both instances above, "xxx" represents the Finalist® release number.

This change was made to accommodate Windows 8 and higher versions that are not compatible with nested menus.

Sample Files

The Finalist® 9.21.0 release includes the following sample file changes for the Windows platform.

Samples\VB	Visual Basic sample files NOTE: These sample files will be removed in the next Finalist® release.
Samples\VB.NET	Visual Basic .net sample files

Database Changes

This section provides important information on database changes effective with the Finalist® 9.21.0 release.

Database Compatibility

Database Version	Compatible Finalist® Versions
0900	Finalist® 9.0.0
	Finalist® 9.1.0
	Finalist® 9.2.0
	Finalist® 9.21.0

Database Delivery

Databases can be manually downloaded from the estore. The estore is the fastest way to download software and data.

EngageOne® Enrichment

EngageOne® Enrichment (formerly known as StreamWeaver) 7.2.5 fully supports Finalist 9.2.0 and Finalist 9.21.0. EngageOne® Enrichment now includes a version of AddrScan. This is the same AddrScan version in Finalist 9.21.0.

VeriMove™

VeriMove™ 3.8.0, scheduled for release in 2019, will include Finalist® 9.21.0 as the Internal CASS™ Processing engine. VeriMove™ customers who use External CASS™ Processing may use Finalist® 9.21.0 as their External CASS™ Processing engine immediately. Information on the next VeriMove™ release will be shared as details becomes available.

Corrected Issues

The Finalist® 9.21.0 release includes enhancements and resolved issues:

- All Platforms
- CICS
- IMS
- Windows®
- z/OS®

All Platforms

Change Requests Resolved for All Platforms (Part 1 of 13)

Change Request	Change Description
FINALIST-2431	<p>Corrected an issue where a numeric street ending in a standardized suffix and directional did not always match. Finalist® now attempts variation with spelled out suffix in street name.</p> <p>Input address: 938 11TH AVE N EXT NAMPA ID 83687</p> <p>Incorrectly coded address: 938 11TH AVE N EXT NAMPA ID 83687</p> <p>Correctly coded address: 938 11TH AVE N NAMPA ID 83687-3410</p>
FINALIST-2859	<p>ENHANCEMENT — Added a new Windows sample application for VB.NET. You can find the Windows VB.NET sample application in Sample\VB.net. Finalist® 9.21.0 is the last release to include the VB6 sample. The VB6 sample will be removed in the next release.</p>
FINALIST-2969	<p>ENHANCEMENT — Removed the "ZIP Codes Assigned" section from Page 5 of the Finalist® Batch Report. The calculations for this section included City/State/ZIP Code™ lookups that did not always result in assigned output values causing misleading values on the report. For more information, refer to "Report Changes" on page 13. In addition, the comments for the related fields in the PBFNStatsDef structure have been changed to more accurately describe the contents of the fields.</p>

Change Requests Resolved for All Platforms (Part 2 of 13)

Change Request	Change Description
FINALIST-3100	<p>Corrected inconsistent Adsinfo cCity and Reason Code 2 results when the input city name is exact but the input state changes.</p> <p>Example 1</p> <p>Input address: 3333 FAIRVIEW RD COSTA MESA TX 92626</p> <p>Correctly coded address: 3333 FAIRVIEW RD COSTA MESA CA 92626-1610</p> <p>CI RETURN CODES: 0-051100000000-1001000009</p> <p>Adsinfo City flagged as corrected. Adsinfo State flagged as corrected.</p> <p>Example 2</p> <p>Input address: 2488 FOOTHILL BLVD LA VERNE TX 91750</p> <p>Correctly coded address: 2488 FOOTHILL BLVD LA VERNE CA 91750-3062</p> <p>CI RETURN CODES: 0-001100000100-0001000069</p> <p>Adsinfo City flagged as exact. Adsinfo State flagged as corrected.</p> <p>Note: The documented meaning of Reason Code 2 in the CI has been corrected (from "Return City" to "Return City/State").</p>
FINALIST-3101	<p>Corrected an issue with the isolation and coding of the following address. The isolation routine was enhanced to correctly process and code the following address.</p> <p>Input address: 3405 W DR MLK JR BLVD STE 200 TAMPA FL 33607</p> <p>Address did not code.</p> <p>Correctly coded address: 3405 W DR MLK BLVD STE 200 TAMPA FL 33607-6224</p>
FINALIST-3103	<p>ENHANCEMENT — Modified the Windows® executables to use the Windows® Randomized Base Address security option. With Randomized Base Address, when the executable loads (and runs), the starting address in memory varies from one execution to the next. This enhances the security of the module because a virus cannot reset a particular portion of memory to cause a crash or otherwise hijack the execution of the routine.</p> <p>While Finalist® does not typically deal with security concerns, it is considered good practice to produce executables with this option turned on. This change impacts the following distributed Windows executables: configDriver.exe, Finalist.exe, Lookup.exe, StateCut.exe, and WorkBench.exe.</p>

Change Requests Resolved for All Platforms (Part 3 of 13)

Change Request	Change Description
FINALIST-3105	<p>Corrected an issue where AddrScan was not detecting a split RR/HC address if the BOX appeared before RR/HC.</p> <p>Input address: BOX 3 RR 1 ANYTOWN IL 12345</p> <p>In this example, AddrScan:</p> <ul style="list-style-type: none">• Did not combine the Box and RR/HC.• Set Type=6 instead of Type=B. <p>Correctly coded address: RR 1 BOX 3 ANYTOWN IL 12345</p> <p>After correction, AddrScan:</p> <ul style="list-style-type: none">• Combines the Box and RR/HC.• With Advanced Option = ON, sets Type=B.• With Advanced Option = OFF, sets Type=4.
FINALIST-3108	<p>ENHANCEMENT — Enhanced isolation logic to separate the numeric portion from the alpha portion in single street words by inserting a space between the alpha and numeric portions. Also provides indication in the PBFNAddressDataDef structure (PBFNADRS.cpy/PBFN-CADS-ASDINFO) that the street name was standardized and the address changed.</p> <p>Input address: 4237 S 00EW KOKOMO IN 46902</p> <p>Finalist returns 4411 – no primary street name found.</p> <p>Correctly coded address: 4237 S 00 EW KOKOMO IN 46902-5206</p>
FINALIST-3114	<p>Removed deprecated structures as announced in previous Finalist[®] releases.</p>
FINALIST-3118	<p>Corrected an issue where Finalist[®] was modifying the street name and keeping the suffix intact rather than keeping the correct spelling of the street name and changing the suffix. This issue was corrected in a prior release but failed to allow for alias addresses.</p> <p>Input address: 9258 RIDGE BREEZE ST SAN ANTONIO TX 78250</p> <p>Incorrectly coded address: 9258 RIDGE BRANCH ST SAN ANTONIO TX 78250-4001</p> <p>Correctly coded address: 9258 RIDGE BREEZE SAN ANTONIO TX 78250-5083</p>

Change Requests Resolved for All Platforms (Part 4 of 13)

Change Request	Change Description
FINALIST-3124	<p>Corrected the processing of failed rangeless Puerto Rico addresses. Also, corrected the isolation of primary range for Puerto Rico addresses with a single alpha at the beginning of the street name.</p> <p>Input address: AVE. SAN PATRICIO APT. 208 COND. BELEN GUAYNABO, PR 00966</p> <p>Incorrectly coded address: PARQ SAN PATRICIO AVE SAN PATRICIO APT 208 GUAYNABO PR 00968-4459</p> <p>Correctly coded address: AVE. SAN PATRICIO COND BELEN APT 208 GUAYNABO PR 00968-4415</p>
FINALIST-3140	<p>Corrected an issue where numeric words ending in 1RST were correctly standardized to 1ST, but street name was marked as invalid/corrected instead of standardized. The AdsInfo fields for 1RST addresses that match are now set to "02" (standardized), instead of "06" (invalid/corrected) or "80" (exact).</p> <p>Input address: 6409 81RST ST CABIN JOHN MD 20818</p> <p>Incorrectly coded address (): 6409 81ST ST CABIN JOHN MD 20818</p> <p>81RST was correctly changed to 81ST; however, the AdsInfo field was incorrectly set to "06" (invalid/corrected).</p> <p>Correctly coded address: 6409 81ST ST CABIN JOHN MD 20818</p> <p>81RST was correctly changed to 81ST. The AdsInfo field is now correctly set to "02" (standardized).</p>
FINALIST-3146	<p>Corrected an issue where AddrScan was not properly identifying spelled out numeric address elements as street lines or city lines.</p> <p>Input address: P O BOX 414 TEN SLEEP WY</p> <p>Incorrectly coded address: Addr1: PO Box 414 Addr2: TEN SLEEP WY City: Blank</p> <p>Correctly coded address: Addr1: PO Box 414 Addr2: Blank City: TEN SLEEP WY 82442-0414</p>

Change Requests Resolved for All Platforms (Part 5 of 13)

Change Request	Change Description
FINALIST-3149	<p>Corrected an issue that occurred when a BOX number was located at the end of an address line and was not flagged properly during processing as an implied PO BOX resulting in duplication of the BOX number as shown in the following address.</p> <p>Input address: AGNES SCOTT COLLEGE BOX #751 DECATUR GA 30030</p> <p>Incorrectly coded address: 751 AGNES SCOTT COLLEGE PO BOX 751 DECATUR GA 30031-0751</p> <p>Correctly coded address: PO BOX 751 DECATUR GA 30031-0751</p>
FINALIST-3150	<p>ENHANCEMENT — Added a new Returned Line 2 option of "9". For option 9, AddrScan returns the first valid line above the city line similar to Returned Line 2 option of "5". However, if that criteria is not met resulting in a blank second line, AddrScan returns the topmost unused line in return line 2.</p> <p>Input address: INMAN SQUARE 1360 CAMBRIDGE STREET STELLA BELLA TOYS CAMBRIDGE, MA 02139</p> <p>Returned output when specifying 95N: [0]: 1360 CAMBRIDGE ST [1]: blank [2]: CAMBRIDGE MA [3]: INMAN SQUARE</p> <p>Returned output when specifying 99N (with the new Returned Line 2 option "9"): [0]: 1360 CAMBRIDGE ST [1]: STELLA BELLA TOYS [2]: CAMBRIDGE MA [3]: INMAN SQUARE</p> <p>NOTE: The two lines above STELLA BELLA TOYS have been used. Even though STELLA BELLA TOYS is the third input line, it is the topmost unused line and AddrScan returns STELLA BELLA TOYS in the second output line. This gives both STELLA BELLA TOYS and INMAN SQUARE a chance to be returned by Finalist® in the final output address block.</p>
FINALIST-3153	<p>Corrected an issue that occurred during AddrScan processing. Some URBs were being misidentified as Firms. If an address came in with an URB as the firm line, Finalist® now detects and removes the duplicate FIRM label line.</p> <p>Input address: FRM: URB LINDA VISTA AL1: 27 CALLE 4 CSZ: CAMUY PR 00627-2345</p> <p>Incorrectly returned label line: URB LINDA VISTA URB LINDA VISTA 27 CALLE 4 CAMUY PR 00627-2345</p> <p>Correctly returned label line: URB LINDA VISTA 27 CALLE 4 CAMUY PR 00627-2345</p>

Change Requests Resolved for All Platforms (Part 6 of 13)

Change Request	Change Description
FINALIST-3154	<p>Corrected an issue where an address did not match when the address is on line1 and extraneous information with a suffix word is on line2.</p> <p>Input address: 3100 N DAVLIN CT GARDEN APARTMENT CHICAGO IL 60618</p> <p>Address did not code (Finalist[®] returned a 4412 error - Unable to rank primary street name with certainty). Finalist 9.2.0 correctly coded this address regardless of whether "Garden Apartment" was on Address Line 1 or Address Line 2.</p> <p>Correctly coded address: GARDEN APARTMENT 3100 N DAVLIN CT CHICAGO IL 60618-6509</p>
FINALIST-3155	<p>Corrected an issue where Finalist[®] was not matching BOX number for Puerto Rico RR/HC addresses when input BOX number was presented like a primary range.</p> <p>Input address: 31250 HC 3 AGUADA PR 000602</p> <p>Incorrectly coded address (Default match; DPV Failure): HC 3 BOX 31250 AGUADA PR 00602</p> <p>However, when the address was entered as:</p> <p>Input address: HC 3 BOX 31250 AGUADA PR 00602</p> <p>Correctly coded address (Box number match: DPV confirmed): HC 3 BOX 31250 AGUADA PR 00602-9717</p> <p>This address should match for both input address formats.</p> <p>Now, regardless of the input format, the input address matches as:</p> <p>HC 3 BOX 31250 AGUADA PR 00602-9717</p> <p>Box number matched and address is DPV confirmed.</p>
FINALIST-3158	<p>Corrected an issue where the cAdsSuffix address information field was not always set properly when words were dropped from the street or the suffix belonged in the street to match the address.</p> <p>Input address: 33 VILLAGE DEL LAGO CIR CIRCLE SAINT AUGUSTINE FL320802526</p> <p>Incorrectly coded address (cAdsSuffix=02): 33 VILLAGE DEL LAGO CIR SAINT AUGUSTINE FL 32080-2526</p> <p>Correctly coded address (cAdsSuffix=80): 33 VILLAGE DEL LAGO CIR SAINT AUGUSTINE FL 32080-2526</p>

Change Requests Resolved for All Platforms (Part 7 of 13)

Change Request	Change Description
FINALIST-3172	<p>Added GENERA DELIVERY as an alias for GENERAL DELIVERY.</p> <p>Input address: GENERA DELIVERY ARMSTRONG MO 65230</p> <p>Correctly coded address: GENERAL DELIVERY ARMSTRONG MO 65230-9999</p>
FINALIST-3177	<p>Corrected an issue with the following address where Finalist® was treating part of the street name as a suffix resulting in the address not coding.</p> <p>Input address: SANDLER & TRAVIS TRADE ADVISORY SER 300 GALLERIA OFFICENTRE STE 400 SOUTHFIELD MI 48034</p> <p>Incorrectly coded address: SANDLER & TRAVIS TRADE ADVISORY SER 300 GALLERIA OFC CTR STE 400 SOUTHFIELD MI 48034</p> <p>Correctly coded address: SANDLER & TRAVIS TRADE ADVISORY SER 300 GALLERIA OFC CTR STE 400 SOUTHFIELD MI 48034-4700</p>
FINALIST-3179	<p>Corrected an issue where Finalist® was concatenating a street word to the range. The process for splitting alpha street words from the primary range has been enhanced.</p> <p>Input address: 646DRY BRANCH RD TN37680</p> <p>Address did not code.</p> <p>Correctly coded address: 646 DRY BRANCH RD LAUREL BLOOMERY TN 37680-4244</p>
FINALIST-3193	<p>Corrected an issue where AddrScan processing dropped "STE" when the input address line included "BUILDING" first (spelled out, not abbreviated as BLDG) followed by "STE".</p> <p>Input address: BUILDING 2 STE 2130 5000 ARLINGTON CENTRE BLVD</p> <p>Incorrectly coded address: ARLINGTON CENTRE BLVD BLDG 2</p> <p>Correctly coded address: BUILDING 2 STE 2130 5000 ARLINGTON CENTRE BLVD</p>

Change Requests Resolved for All Platforms (Part 8 of 13)

Change Request	Change Description
FINALIST-3198	<p>Corrected an issue that occurred where specific street names were being standardized to official USPS® abbreviated suffixes causing records to code incorrectly.</p> <p>Input address: 9 PARKS AVE APT 2J PROVIDENCE, RI 02907</p> <p>Incorrectly coded address: 9 PARK AVE APT 2J CRANSTON, RI 02905</p> <p>Correctly coded address: 9 PARKIS AVE APT 2J PROVIDENCE RI 02907-1472</p>
FINALIST-3200	<p>Corrected an issue that produced inconsistent results when parsing two-line addresses. In this instance, coding results differed depending on the order in which the address lines were presented for coding. Coding results are now identical independent of the order the address lines are presented.</p> <p>Input address 1 (Suite 3 is located on the second address line): 1699 EAST OAKLAND PARK BOULEVA SUITE 3 33334</p> <p>Returned coded address 1: 1699 E OAKLND PRK BLVD STE 3 OAKLAND PARK FL 33334-5236</p> <p>Input address 2 (Suite 3 is located on the first address line): SUITE 3 1699 EAST OAKLAND PARK BOULEVA 33334</p> <p>Address line 2 fails to match and returns the input address.</p> <p>After this correction, both addresses code as shown below regardless of the order in which the address lines are presented.</p> <p>Correctly coded address for both address 1 and address 2.: 1699 E OAKLND PRK BLVD STE 3 OAKLAND PARK FL 33334-5236</p>
FINALIST-3211	<p>Corrected an issue where AddrScan was not properly identifying two unit designators with alpha ranges when BLDG was one of the unit designators.</p> <p>Input address: 368 JENNINGS RD APT B BLDG T MANAHAWKIN NJ 08050</p> <p>Incorrectly coded address: 368 JENNINGS RD APT B BLDG T MANAHAWKIN NJ 08050-4617</p> <p>Correctly coded address: 368 JENNINGS RD APT B BLDG T MANAHAWKIN NJ 08050-4617</p>

Change Requests Resolved for All Platforms (Part 9 of 13)

Change Request	Change Description
FINALIST-3222	<p>Corrected an issue with the following address where Finalist® returned the correct alias but the alias was not verified on resubmission.</p> <p>Input address:</p> <p>DOCTOR MARTIN VINTAGE PARK DENTAL 8065 ELK GROVE FLORIN RD STE 110 SACRAMENTO, CA 95829</p> <p>Incorrectly coded address (The message "No matching street in this locality" was generated.):</p> <p>DOCTOR MARTIN VINTAGE PARK DENTAL 8065 ELK GROVE FLR N STE 110 SACRAMENTO, CA 95829</p> <p>Correctly coded address:</p> <p>DOCTOR MARTIN VINTAGE PARK DENTAL 8065 ELK GROVE FLRN RD STE 110 SACRAMENTO, CA 95829-9269</p> <p>FLRN was being converted to FLR N. Finalist® no longer converts FLRN to FLR N when FLRN is followed by RD.</p>
FINALIST-3228	<p>Corrected an issue where a spelled out street name and a spelled out suffix word did not match if the true suffix was missing.</p> <p>Input address:</p> <p>68 SECOND POINT WARWICK RI 02889</p> <p>Incorrectly coded address (DPV failure):</p> <p>68 2ND AVE WARWICK RI 02888</p> <p>Correctly coded address:</p> <p>68 2ND POINT RD WARWICK RI 02889-9116</p>
FINALIST-3229	<p>Corrected an issue where AddrScan failed to combine split last line information.</p> <p>Input address:</p> <p>50 CALIFORNIA STREET SEVENTH FLOOR SAN FRANCISCO CA UNITED STATES 94111</p> <p>Incorrectly coded address:</p> <p>50 CALIFORNIA STREET SEVENTH FLOOR SAN FRANCISCO CA UNITED STATES 94111</p> <p>Correctly coded address:</p> <p>50 CALIFORNIA STREET SEVENTH FLOOR SAN FRANCISCO CA 94111 UNITED STATES</p>

Change Requests Resolved for All Platforms (Part 10 of 13)

Change Request	Change Description
FINALIST-3230	<p>Corrected an issue where secondary information was being dropped and moved into Extra-Data.</p> <p>Input address: 8300 NW BARRY RD 240 A H OA KANSAS CITY MO</p> <p>Incorrectly coded address: H OA 8300 NW BARRY RD KANSAS CITY MO 64153-1634</p> <p>Correctly coded address: H OA 8300 NW BARRY RD # A # 240 KANSAS CITY MO 64153-1634</p>
FINALIST-3233	<p>Corrected coding for the following address that contains a fraction in the street address line.</p> <p>Input address: 200 CLARENDON ST 19/25TH BOSTON MA 02116</p> <p>Incorrectly coded address: 200 CLARENDON ST BOSTON MA 02116-5021</p> <p>Finalist® 9.2.0 coding moved "19/25TH" to the EXTRA field; however, "19/25TH" is a valid range-type word that should be left in the address line as it was for the Finalist® 9.1.0 release.</p> <p>Correctly coded address: 200 CLARENDON ST # 19/25TH BOSTON MA 02116-5021</p>
FINALIST-3236	<p>Corrected an issue that occurred with rangeless unit designators that were actually part of the street.</p> <p>Input address: 1455 N CAMINO ALTO # 133 94589</p> <p>Incorrectly coded address: # 133 1455 N CAMINO ALTO VALLEJO CA 94589-2566</p> <p>Correctly coded address: 1455 N CAMINO ALTO APT 133 VALLEJO CA 94589-2570</p>

Change Requests Resolved for All Platforms (Part 11 of 13)

Change Request	Change Description
FINALIST-3238	<p>Corrected an issue where a perfect rural route address failed to code.</p> <p>Input address: 600 SW RR AVE HAMMOND LA</p> <p>Address failed to code.</p> <p>Correctly coded address: 600 SW RR AVE HAMMOND LA 70403-4955</p> <p>Also resolved an issue where the output address line contained duplicate information.</p> <p>Input address: BOX 248 111 6TH STREET HUGO CO 80821</p> <p>Incorrectly coded address: 111 6TH ST # 248 PO BOX 248 HUGO CO 80821-0248</p> <p>Correctly coded address: 111 6TH ST PO BOX 248 HUGO CO 80821-0248</p>
FINALIST-3239	<p>Corrected an issue where some addresses that contained "SP" in the street name did not match.</p> <p>Input address: 8521 GEYER SP RD LITTLE ROCK AR AR 72209</p> <p>Address did not code.</p> <p>Correctly coded address: 8521 GEYER SP RD LITTLE ROCK AR 72209-4949</p>
FINALIST-3240	<p>Corrected an issue where streets that ended with a rangeless unit designator did not match if UNIT1 information was also entered.</p> <p>Input address: L1: 4830 CALLE ALTO UNIT1: STE C ZIP: 93012 E4412</p> <p>Generated Error Code E4412 - No primary names ranked with certainty. Suggestions may be available.</p> <p>Address did not code.</p> <p>Correctly coded address: 4830 CALLE ALTO STE C CAMARILLO CA 93012-8551</p>
FINALIST-3241	<p>Corrected issues that occurred when a unit designator was concatenated to a secondary range</p> <p>Input address: 1301 CLAY ST STE1700S 94612</p> <p>Incorrectly coded address: 1301 CLAY ST # STE1700S OAKLAND CA 94612-5217</p> <p>Correctly coded address: 1301 CLAY ST STE 1700S OAKLAND CA 94612-5210</p>

Change Requests Resolved for All Platforms (Part 12 of 13)

Change Request	Change Description
FINALIST-3255	<p>Corrected an issue that occurred when processing with CASS Standardize Case = M (mixed case) specified in the pbfncfg configuration file. The state code in the label line displayed in mixed case. The state code should always display in upper case.</p> <p>Input address: 1879 Slippery Rock Rd 60506</p> <p>Incorrectly displayed label line: 1879 Slippery Rock Rd Naperville il 60565-6766</p> <p>Correctly displayed label line: 1879 Slippery Rock Rd Naperville IL 60565-6766</p>
FINALIST-3267	<p>Corrected issue that occurred when an input address contained a pattern in the format "NO n xxxxxxxxx" at the end of a street. Processing was dropping the first xxxxxxxxx token from the street when the token n was a number.</p> <p>Input address: 140 W 113TH ST NO 1 A 06830</p> <p>Incorrectly coded address (A is dropped): 140 W 113TH ST # 1 NEW YORK NY 10026-3447</p> <p>Correctly coded address: 140 W 113TH ST APT 1A NEW YORK NY 10026-3449</p>
FINALIST-3271	<p>Corrected a looping situation that occurred with delimited files using a single or double quote in the middle of the field. For example, John 'AL' Smith. Delimited files should only use a single or double quote around an entire field if that field contains a delimiter character in the field. For example, if a file is comma delimited and a field in the file contains a comma, the single or double quote should be used around the entire field.</p>
FINALIST-3287	<p>Corrected an issue with the following address that caused an abend. The address now, appropriately, fails to match but no longer causes an abend.</p> <p>5521 SW 32NDCOURT- UNIT SOUTH 33023</p>
FINALIST-3288	<p>Corrected an issue where the following perfect address failed to code because it contained a slash (/) in the street name.</p> <p>Input address: 9321 BEN C PRATT/6 MILE CYPRESS PKWY #120 FORT MYERS FL 3396</p> <p>Incorrectly coded address (did not code): 9321 BEN C PRATT 6 MILE CYPRESS PKWY #120 FORT MYERS FL</p> <p>Correctly coded address: 9321 BEN 6 MILE PKWY # 120 FORT MYERS FL 33966-6527</p>
FINALIST-3296	<p>Renamed cFiller0 to cReservedRS in the PBFNAddressDataDef (PBFNADRS.cpy/PBFNRRTN.cpy) structure.</p>

Change Requests Resolved for All Platforms (Part 13 of 13)

Change Request	Change Description
FINALIST-3313	<p>Corrected an issue where AddrScan failed to recognize a perfect last line when the city name included a spelled out number.</p> <p>Input address: 4630 MAIN HILL DR SEVEN HILLS OH 44131-5945 SEVEN HILLS OH</p>
FINALIST-3315	<p>When encountering inexact matches with fractional addresses, Finalist[®] was putting the fraction at the high-rise level instead of at the primary range level. Processing has been changed to be consistent with the USPS; however, there is no specific rule to govern this situation.</p> <p>Input address: 227 1/2 ALABAMA APT 2 HOUSTON TX 77006</p> <p>Finalist[®] originally matched to: 227 W ALABAMA ST APT 2 1/2 HOUSTON TX 77006-5155</p> <p>USPS[®] matches to: 227 1/2 W ALABAMA ST APT 2 HOUSTON TX 77006-5111</p>
FINALIST-3326	<p>ENHANCEMENT — Enhanced DPV[®] table processing with new "IN" and "OUT" options for the following DPV[®] tables:</p> <ul style="list-style-type: none">• Commercial Mail Receiving Agents (CMRA)• No-Stat Table• Vacant Table• PO Box Street Addresses (PBSA) Table• Door Not Accessible (DNA) Table• P.O. Box Throwback Table• No Secure Location (NSL) Table <p>These options are in addition to the existing "OFF" and "ON" options for the DPV[®] tables.</p> <p>The "IN" option loads the table into memory regardless of the DPV[®] Buffer Size option setting.</p> <p>The "OUT" option uses the table outside of memory regardless of the DPV[®] Buffer Size option setting.</p> <p>For more information, see "New Delivery Point Validation (DPV[®]) Table Memory Options" on page 3.</p>
FINALIST-3331	<p>ENHANCEMENT — AddrScan now identifies input lines that were not used during processing. For more information, see "AddrScan Changes" on page 8.</p>
FINALIST-3333	<p>Corrected an issue with the standardization of military addresses in the USPS[®] (ZIP4) database. The August 2018 database was updated and reissued.</p>
FINALIST-3348	<p>Updated USPS[®] Form 3553 (CASS[™] Summary Report) to the September 2017 version. For more information, see "USPS[®] Form 3553 (CASS[™] Summary Report)" on page 15.</p>

CICS

Change Requests Resolved for CICS

Change Request	Change Description
FINALIST-3145	ENHANCEMENT — Added Finalist® software key expiration date to the CICS Product Information (Option 6) screens. For more information, refer to "CICS" on page 12 .
FINALIST-3208	Resolved issues that caused exceptions table processing not to work in the z/OS online environments. Also, corrected references to "LPFNEXTB" in the documentation. All references to "LPFNEXTB" have been changed to "PBFNEXTB".
FINALIST-3362	Corrected a reported issue with the CICS LPAMGetZip function where "LPAMM008-E-O-F REACHED ON ZIPCODE SEARCH" was returned when there were more ZIP Codes to return.

IMS

Change Requests Resolved for IMS

Change Request	Change Description
FINALIST-3145	ENHANCEMENT — Added Finalist® software key expiration date to the IMS Product Information (Option 6) screens. For more information, refer to "IMS" on page 12 .
FINALIST-3208	Resolved issues that caused exceptions table processing not to work in the z/OS online environments. Also, corrected references to "LPFNEXTB" in the documentation. All references to "LPFNEXTB" have been changed to "PBFNEXTB".

Windows®

Change Requests Resolved for Windows®

Change Request	Change Description
FINALIST-2463	ENHANCEMENT — Added a MultP4 table to the Lookup Tool Database Viewer to show multiple ZIP + 4 values for a range. For more information, refer to "Database Viewer" on page 10 .
FINALIST-3133	The Windows platform Start Menu has been changed from "Start Programs/Pitney Bowes/Finalistxxx" to "Start Programs/Pitney Bowes Finalist xxx". In both instances, "xxx" represents the Finalist® release number.
FINALIST-3145	ENHANCEMENT — Added Finalist® software key expiration date to the Windows About Lookup Tool and the About Workbench screens that provide version information. For more information, refer to "Lookup Tool" on page 9 and "Workbench" on page 9 .

Change Requests Resolved for z/OS®

Change Request	Change Description
FINALIST-3104	Corrected JCL comments for steps in INSTALLB and INSTALLC that indicated the expected result should be RC=0. The comments have been corrected to indicate that the expected result is RC=4.
FINALIST-3127	Corrected an issue where the display of unit information from LPAM was not cleared prior to previous calls. LPAM was not clearing the UNIT field prior to populating a GETRNGE call. For example, for the street name Madison in ZIP Code 10165, 4/2 displayed STEY for secondary and 4/3 displayed FLEY for secondary. Now displays STE and FL respectively.
FINALIST-3208	Resolved issues that caused exceptions table processing not to work in the z/OS online environments.
FINALIST-3251	Corrected an issue where RDI failed to operate if the RDI Filepath field in the PBFNCFG file was populated, The RDI Filepath is now ignored on z/OS.

Documentation Changes

The Finalist® 9.21.0 documentation provides detailed information on all enhancements and changes for the Finalist® 9.21.0 release. The following table describes the Finalist® 9.21.0 release documentation changes and additions and where you can find more information on these release changes in your Finalist® documentation.

Finalist® Guide	Description
<i>Finalist® Installation Guide</i>	The Finalist® 9.21.0 release changes to the <i>Finalist® Installation Guide</i> include documentation changes for: <ul style="list-style-type: none"> Finalist® 9.21.0 release enhancements and updates. Installation changes. File size changes for the Finalist® database and auxiliary databases. Using the auxiliary databases.
<i>Finalist® User's Guide</i>	The Finalist® 9.21.0 release changes to the <i>Finalist® User's Guide</i> include documentation changes for: <ul style="list-style-type: none"> Finalist® 9.21.0 release enhancements and updates. Additions to the configuration file (pbfncfg) for the new DPV® Table memory options. Changes for the new DPV® Table memory options. User Interface (UI) changes. Report changes.
<i>Finalist® Reference Guide</i>	The Finalist® 9.21.0 release changes to the <i>Finalist® Reference Guide</i> include documentation changes for: <ul style="list-style-type: none"> Finalist® 9.21.0 release enhancements and updates. Structure changes for the new DPV® Table memory options. Changed and deleted APIs. Changed and deleted structures. Changed and deleted copybooks.

For more information on the Finalist® 9.21.0 release changes, download the Finalist® 9.21.0 documentation from the Pitney Bowes Support Site at <https://www.pitneybowes.com/us/support.html>.

Help File Changes

The Finalist® 9.21.0 release includes an updated help file. The updated help file is provided with the Windows UI.

Finalist® 9.21.0 Release Availability

The Finalist® 9.21.0 release is available for download from Pitney Bowes estore. The estore provides an enhanced client experience and is now the only location for obtaining new software releases and product updates. **The Finalist® 9.21.0 Release Announcement provides an estore link for downloading the Finalist® 9.21.0 release.**

Technical Support

If you have any questions, you can contact us at <https://www.pitneybowes.com/us/contact-dcs.html> or by telephone at 1-800-367-6950 to speak with a Finalist® Technical Support Representative.