



Finalist[®]

Release 9.2.0

Release Notes

This document contains information on the Finalist[®] 9.2.0 release. You can find complete documentation at <http://www.g1.com/support>.

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Who should upgrade to Release 9.2.0?

Finalist[®] users on all platforms.

Is this Finalist[®] release required?

Yes, the Finalist[®] 9.2.0 release is required if you wish to continue processing in a CASS[™]-certified mode after July 31, 2017.

No, if you do not wish to continue processing in a CASS[™]-certified mode after July 31, 2017.

NOTE: Although, Finalist[®] 9.1.0 will continue to operate in a non- CASS[™] mode after July 31, 2017, DPV[®], LACS^{Link}[®], Suite^{Link}[®], and RDI[™] will not produce correct results with SHA-256 databases. The SHA-1 databases will no longer be available after July 31, 2017.

UNITED STATES
<http://www.pitneybowes.com/us>
 Technical Support: support.pb.com

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Release 9.2.0 Highlights

The Finalist® 9.2.0 release includes the following enhancements and updates:

- Updated Finalist® Software License Key
- USPS® CASS™ Cycle N Support
- USPS® Upcoming Changes
- Support for New SHA-256 File Encryption
- Support for USPS® DPV® P.O. Box™ Throwback Table
- DPV® No Secure Location (NSL) Table
- Enhanced Processing of Puerto Rico Addresses
- Enhanced Processing of State Road/Highway Addresses
- Deprecated Structures
- Structure Changes
- Copybook Changes
- New LACSLink® Output Field
- New Job Definition File Output Field Keyword
- New Job File {FILES} Section Keywords
- JCL Changes
- New and Changed Error Codes
- User Interface (UI) Changes
- CICS Screen Changes
- IMS Screen Changes
- Report Changes

Updated Finalist® Software License Key

The Finalist® 9.2.0 release requires an updated software license key. This updated software license key was sent to the current (Primary User or Ship To) contact in our database automatically based on the System (CPU) ID information we have on file from your previous Finalist® software license key. If your System ID has changed, or you will be processing on a system different from your previous key, please contact your Pitney Bowes Account Manager to update your System ID information and request an updated key.

Finalist® 9.2.0 Software License Key

On September 20, 2016, the USPS® formally announced extension of the current CASS™ Cycle N expiration to July 31, 2019. In the same communication, the USPS stated that there were currently "no compelling reasons" to proceed with a mandatory CASS™ Cycle O certification. The USPS® further stated that the determination on whether to pursue a CASS™ Cycle O certification, for implementation by August 1, 2019, would be announced before August 1, 2017.

In response to the USPS® announced extension of CASS™ Cycle N to July 31, 2019, Pitney Bowes has issued Finalist® 9.2.0 software license keys that are valid for two years. The Finalist® 9.2.0 license key expires on July 31, 2019 and is only valid for Finalist® 9.2.0 versions of the Finalist® software. The Finalist® 9.2.0 Software License Key was provided in a separate communication in advance of the release date.

Finalist® 9.1.0 Software License Key

The Finalist® 9.1.0 software license key is set to expire CASS™ certification after July 31, 2017. The Finalist® 9.1.0 version will continue to operate in a non- CASS™ mode after this date. However, DPV®, LACSLink®, SuiteLink®, and RDI™ will not produce correct results with SHA-256 databases. The SHA-1 databases will no longer be available after July 31, 2017. The Finalist® 9.1.0 key is only valid for Finalist® 9.1.0 version of the software.

USPS® CASS™ Cycle N Support

The Finalist® 9.2.0 release fully supports USPS® CASS™ Cycle N requirements. The Finalist® 9.2.0 release is a major update to your Finalist® software that includes enhancements and resolved reported issues. We recommend that you upgrade to Finalist® 9.2.0 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® 9.1.0 as a CASS™-certified release through July 31, 2017. After July 31, 2017, Finalist® 9.1.0 will operate only in a non-CASS™ certified mode.

Release Version	Effective Date	CASS™ Expiration Date
9.1.0	November 2015	July 31, 2017
9.2.0	November 2016	July 31, 2019

USPS® Upcoming Changes

On September 20, 2016, the USPS® formally announced extension of the current CASS™ Cycle N expiration to July 31, 2019. Finalist® 9.2.0 is shipping with CASS™ expiration keys set to July 31, 2019.

The USPS® has stated that the determination on whether to pursue a CASS™ Cycle O certification, for implementation by August 1, 2019, would be announced before August 1, 2017. We will continue to provide information as details become available.

Support for New SHA-256 File Encryption

During a 2015 audit, the USPS® was found to not be using the proper Secure Hash Algorithm (SHA) logic in the USPS® Link products. On October 21, 2015, the USPS® formally announced a change to the Link products (DPV®, LACS^{Link}®, Suite^{Link}®, RDI™, and others) that will require implementation of newer/compliant SHA code in all USPS® Link products before August 1, 2017. Although the SHA changes will not require CASS™ changes, there is a mandated change to support the new SHA changes by August 1, 2017.

The Finalist® 9.2.0 release includes support for the new USPS® mandated SHA-256 style databases. The Finalist® 9.2.0 release installation provides a seamless conversion to the new SHA-256 databases that does not require Finalist® customers to make any changes to begin processing with the SHA-256 databases.



The USPS® will ship the last old style SHA-1 databases in July 2017.

Support for USPS® DPV® P.O. Box™ Throwback Table

The Finalist® 9.2.0 release includes support for the new USPS® DPV® P.O. Box™ Throwback Table. 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.

Pitney Bowes distributes the DPV® P.O. Box™ Throwback Table as part of all DPV® file types:

- DPV.DB (Flat)
- DPVH.DB (Full)
- DPVS.DB (Split)

The DPV® P.O. Box™ Throwback Table is not required for CASS™ certification.

Activating the DPV® P.O. Box™ Throwback Table Using the Configuration File

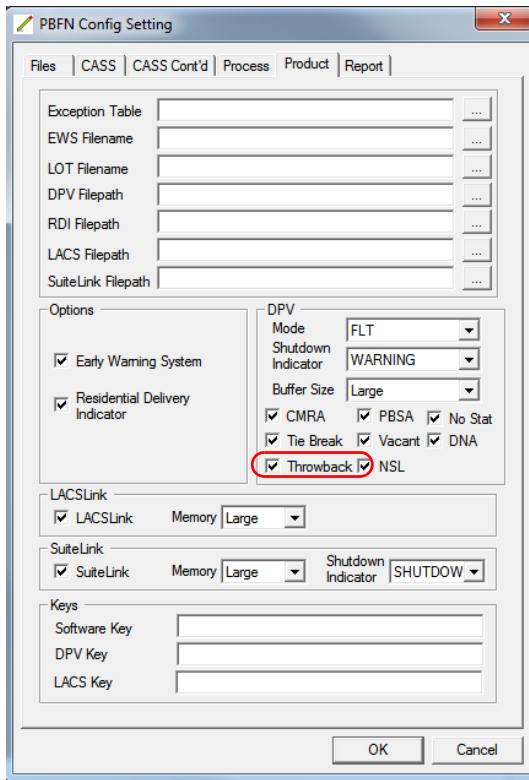
A new field has been added to the configuration file (pbfncfg) to activate the DPV® P.O. Box™ Throwback Table for DPV® processing.

```
.
.
-----
Product Section:
-----
Exception Table Filename = ExceptionCards.txt
EWS Filename = C:\DB\CycleN\BASE\ews.txt
LOT Filename = C:\DB\CycleN\ELOT\ELOT.dir
DPV Filepath = C:\DB\CycleN\DPV\
RDI Filepath = C:\DB\CycleN\RDI\
LACSLink Filepath = C:\DB\CycleN\LACS
SuiteLink Filepath = C:\DB\CycleN\Suitelink
Early Warning System = ON
Delivery Point Validation = FLT
DPV Shutdown Indicator = W
Delivery Point Validation Tie Break =
DPV No-Stat Table = ON
DPV Vacant Table = ON
DPV PBSA Table =
DPV DNA Table =
DPV Throwback Table =
DPV NSL Table =
DPV Buffer Size = M
Residential Delivery Indicator = ON
Commercial Mail Validation = ON
LACSLink = ON
LACSLink Processing = S
SuiteLink = ON
SuiteLink Small Memory Flag = S
SuiteLink Shutdown Indicator = S
Return SLK Input Secondary = B
SOFTWARE KEY =
DPVKey =
LACSLink Key =
.
.
```

pbfncfg Field	Description
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>.• Blank — Defaults to OFF.

Activating the DPV[®] P.O. Box[™] Throwback Table Using the Workbench or Lookup Tool

A new check box has been added to the Product Tab on the PBFN Config Setting dialog box to activate the P.O. Box[™] Throwback Table for DPV[®] processing.



Definition File Layout Changes for DPV[®] P.O. Box[™] Throwback Table Information

A new keyword has been added for a Definition File Layout using component keywords for processing.

Definition Keywords	Description	Recommended Length
oDPVThrowback=x,y,a[,y]	Identifies the position (x) and length (y) of the output Delivery Point Validation (DPV [®]) P.O. Box [™] Throwback return code.	1

Structure and Copybook Changes for DPV[®] P.O. Box Throwback Table

New fields have been added to the following structures and copybooks for the new DPV[®] P.O. Box[™] Throwback Table feature. For detailed information on structure changes, please refer to ["Structure Changes" on page 11](#).

New Field	Description	Structure	Copybook
cAssignDPVTHRWBK	Indicate whether to use the DPV [®] P.O. Box [™] Throwback Table and return the proper Throwback code to the output: <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>. Blank — Defaults to OFF. 	PBFNSetupDef	PBFNGCFG
IDPVTHRWBKFound	Total number of records found in the DPV [®] P.O. Box [™] Throwback Table.	PBFNDPVStatsDef	PBFNSDPV
cDPVTHRWBKFound	DPV [®] P.O. Box [™] Throwback Table status. <ul style="list-style-type: none"> Y — Found in the DPV[®] Throwback Table. N — Not found in the DPV[®] Throwback Table. Blank — The DPV[®] Throwback Table was not queried. 	PBFNAddressDataDef	PBFNADRS PBFNRRTN
		PBFNParsedAdrAltDef	PBFNVPDS PBFNWRPA
		PBFNParsedDef	PBFNLPDS PBFNJRPA
		PBFNProcessDataAltDef	PBFNXPDS PBFNZRTN
		PBFNProcessDataDef	PBFNAPDS PBFNHRTN

Finalist[®] Batch Report

The Finalist[®] Batch Report - Page 3 includes a new line, DPV[®] Throwback Table, that indicates whether Finalist[®] used the DPV[®] P.O. Box[™] Throwback Table for DPV[®] processing to return the proper Throwback code for the job. For more information on the Finalist[®] Batch Report changes for the 9.2.0 release, please refer to ["Finalist[®] Batch Report - Page 3" on page 28](#).

DPV[®] No Secure Location (NSL) Table

The Finalist[®] 9.2.0 release includes the new USPS[®] DPV[®] No Secure Location (NSL) Table. 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).

Pitney Bowes distributes the NSL file as part of all DPV[®] file types:

- DPV.DB (Flat)
- DPVH.DB (Full)
- DPVS.DB (Split)

The DPV[®] NSL Table is not required for CASS[™] certification.

Activating the DPV[®] NSL Table Using the Configuration File (pbfncfg)

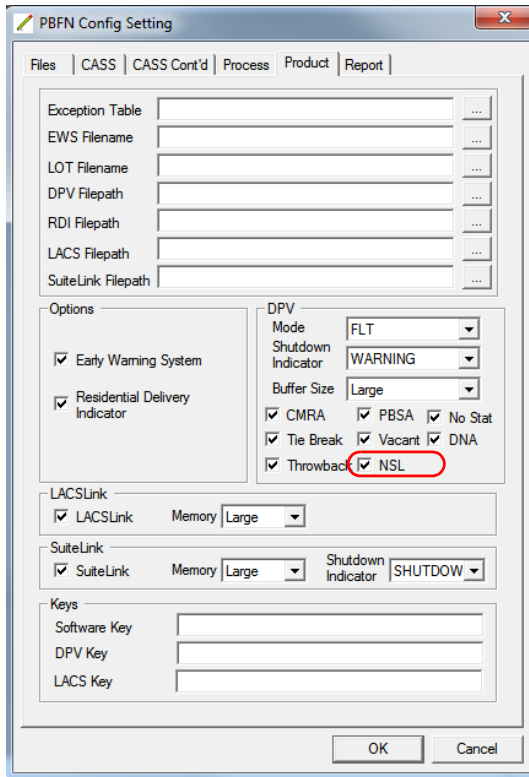
A new field has been added to the configuration file to activate the No Secure Location (NSL) Table for DPV[®] processing.

```
.  
.
-----  
Product Section:  
-----  
Exception Table Filename = ExceptionCards.txt  
EWS Filename = C:\DB\CycleN\BASE\ews.txt  
LOT Filename = C:\DB\CycleN\ELOT\ELOT.dir  
DPV Filepath = C:\DB\CycleN\DPV\  
RDI Filepath = C:\DB\CycleN\RDI\  
LACSLink Filepath = C:\DB\CycleN\LACS  
SuiteLink Filepath = C:\DB\CycleN\Suitelink  
Early Warning System = ON  
Delivery Point Validation = FLT  
DPV Shutdown Indicator = W  
Delivery Point Validation Tie Break =  
DPV No-Stat Table = ON  
DPV Vacant Table = ON  
DPV PBSA Table =  
DPV DNA Table =  
DPV Throwback Table =  
DPV NSL Table =  
DPV Buffer Size = M  
Residential Delivery Indicator = ON  
Commercial Mail Validation = ON  
LACSLink = ON  
LACSLink Processing = S  
SuiteLink = ON  
SuiteLink Small Memory Flag = S  
SuiteLink Shutdown Indicator = S  
Return SLK Input Secondary = B  
SOFTWARE KEY =  
DPVKey =  
LACSLink Key =  
.
.
```

pbfncfg Field	Description
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>.• Blank — Defaults to OFF.

Activating the DPV[®] No Secure Location (NSL) Table Using the Workbench or Lookup Tool

A new check box has been added to the Product Tab on the PBFN Config Setting dialog box to activate the No Secure Location (NSL) Table for DPV[®] processing.



Definition File Layout Changes for DPV[®] No Secure Location (NSL) Table Information

A new keyword has been added for a Definition File Layout using component keywords for processing.

Definition Keywords	Description	Recommended Length
oDPVNSL=x,y,a[,y]	Identifies the position (x) and length (y) of the output Delivery Point Validation (DPV [®]) No Secure Location (NSL) return code.	1

Structure and Copybook Changes for DPV[®] No Secure Location (NSL) Table

New fields have been added to the following structures and copybooks for the new DPV[®] No Secure Location (NSL) Table feature. For detailed information on structure changes, please refer to ["Structure Changes" on page 11](#).

New Field	Description	Structure	Copybook
cAssignDPVNSL	Indicate whether to use the NSL Table and return the proper NSL code to the output: <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>. Blank — Defaults to OFF. 	PBFNSetupDef	PBFNGCFG
IDPVNSLFound	Total number of records found in the DPV [®] NSL Table.	PBFNDPVStatsDef	PBFNSDPV
cDPVNSLFound	DPV [®] No Secure Location (NSL) Table status. <ul style="list-style-type: none"> Y — Found in the DPV[®] NSL Table. N — Not found in the DPV[®] NSL Table. Blank — The DPV[®] NSL Table was not queried. 	PBFNAddressDataDef	PBFNADRS PBFNRRTN
		PBFNParsedAdrAltDef	PBFNVPDS PBFNWRPA
		PBFNParsedDef	PBFNLPDS PBFNJRPA
		PBFNProcessDataAltDef	PBFNXPDS PBFNZRTN
		PBFNProcessDataDef	PBFNAPDS PBFNHRTN

Finalist[®] Batch Report

The Finalist[®] Batch Report - Page 3 includes a new line, DPV[®] NSL Table, that indicates whether Finalist[®] used the DPV[®] No Secure Location (NSL) Table for DPV[®] processing to return the proper NSL code for the job. For more information on the Finalist[®] Batch Report changes for the 9.2.0 release, please refer to ["Finalist[®] Batch Report - Page 3" on page 28](#).

Enhanced Processing of Puerto Rico Addresses

The Finalist[®] 9.2.0 release includes changes to improve processing of Puerto Rico addresses containing:

- A rangeless secondary
- An alpha range for CALLE streets
- Addresses containing CALLE followed by a hyphenated word

Enhanced Processing of State Road/Highway Addresses

The Finalist[®] 9.2.0 release includes changes to improve processing of State Road/Highway type addresses. Processing now attempts new and expanded variations for addresses containing "STATE" and/or "HIGHWAY" to achieve a match.

Deprecated Structures

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. The following structures are included in the AddressDataDef structure. These structures are deprecated and will be removed in the next Finalist® release.

- 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

PBFNExtendedErrorDef

The PBFNAddressDataDef structure includes the PBFNExtendedErrorDef structure information. The PBFNExtendedErrorDef structure is deprecated 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 is deprecated 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*.

Deprecation Error Messages

In previous releases, Finalist® generated only one error message the first time a deprecated structure was encountered:

```
PBFN - Structure is deprecated {vvvvxxxx}
```

Where "vvvv" is the version number (for example, 0910) and "xxxx" is the structure name (for example, XPDS).

Finalist® now generates an error message for each deprecated structure when first encountering an API that uses a deprecated structure(s). For example:

```
PBFNProcess - Structure is deprecated {0920XPDS}  
PBFNProcess - Structure is deprecated {0920CADS}  
PBFNTerminate - Structure is deprecated {0920BINF}
```

Structure Changes

The Finalist® 9.2.0 release includes structure changes.

PBFNAddressDataDef (PBFNADRS) Structure

The PBFNAddressDataDef (PBFNADRS) structure includes new fields.

Field	Description
cPreLACSAddress PBFN-ADRS-PRELACSADDRESS	For LACSLink® converted addresses, Finalist® now returns the input address that was sent to LACSLink® for processing in the cPreLACSAddress field.
cDPVNSLFound PBFN-ADRS-DPVNSLFOUND	Indicates whether an address was found in the DPV® No Secure Location (NSL) Table.
cDPVTHRWBKFound PBFN-ADRS-DPVTHRWBKFOUND	Indicates whether an address was found in the DPV® P.O. Box™ Throwback Table.

A portion is shown below to illustrate the field additions.

PBFNAddressDataDef

```

.
.
.
/* DPVDetailDef information */
USPSDetailDef  USPSDPVDetail;
char           DPVSeedHit;

char           cPreLACSAddress[71];

char           cDPVNSLFound;
char           cDPVTHRWBKFound;
char           cFiller99[192];
char           cFillerK[4];

} PBFNAddressDataDef, *pPBFNAddressDataDef;

```

PBFNADRS

```

.
.
.
10 PBFN-ADRS-DPVSEEDHIT           PIC X(001).
88 PBFN-ADRS-DPV-SEED-HIT        VALUE 'Y'.
88 PBFN-ADRS-NO-DPV-SEED-HIT     VALUE 'N'.
10 PBFN-ADRS-PRELACSADDRESS      PIC X(071).
10 PBFN-ADRS-DPVNSLFOUND        PIC X(001).
88 PBFN-ADRS-NSL                 VALUE 'Y'.
88 PBFN-ADRS-NOT-NSL            VALUE 'N'.
10 PBFN-ADRS-DPVTHRWBKFOUND     PIC X(001).
88 PBFN-ADRS-THROWBACK          VALUE 'Y'.
88 PBFN-ADRS-NOT-THROWBACK      VALUE 'N'.
10 FILLER                        PIC X(192).
10 FILLER                        PIC X(004).

```

PBFNDPVStatsDef (PBFNSDPV) Structure

The PBFNDPVStatsDef (PBFNSDPV) structure includes new fields.

Field	Description
IDPVNSLFound PBFN-SDPV-DPVNSLFOUND	Total number of records found in the DPV® No Secure Location (NSL) Table.
IDPVTHRWBKFound PBFN-SDPV-DPVTHRWBKFOUND	Total number of records found in the DPV® P.O. Box™ Throwback Table.

PBFNDPVStatsDef

```
.  
. .  
    unsigned int    lDPVDNAFound;  
    unsigned int    lR7;  
    unsigned int    lDPVNSLFound;  
    unsigned int    lDPVTHRWBKFound;  
    char            cFiller2[66];  
    char            cFiller3[2];  
} PBFNDPVStatsDef, *pPBFNDPVStatsDef;
```

PBFNSDPV

```
.  
. .  
    10 PBFN-SDPV-R7                PIC S9(08) BINARY.  
    10 PBFN-SDPV-DPVNSLFOUND       PIC S9(08) BINARY.  
    10 PBFN-SDPV-DPVTHRWBKFOUND    PIC S9(08) BINARY.  
    10 FILLER                      PIC X(066).  
    10 FILLER                      PIC X(002).
```

PBFNParsedAdrAltDef (PBFNVPDS) Structure

The PBFNParsedAdrAltDef (PBFNVPDS) structure includes new fields.

Field	Description
cDPVNSLFound PBFN-VPDS-DPVNSLFOUND	Indicates whether an address was found in the DPV® No Secure Location (NSL) Table.
cDPVTHRWBKFound PBFN-VPDS-DPVTHRWBKFOUND	Indicates whether an address was found in the DPV® P.O. Box™ Throwback Table.

A portion is shown below to illustrate the field additions.

PBFNParsedAdrAltDef

```
.  
. .  
    char            cDPVDNAFound;  
    char            cDPVNSLFound;  
    char            cDPVTHRWBKFound;  
    char            cFiller8x[126];  
. .
```

PBFNVPDS

```
.  
. .  
    10 PBFN-VPDS-DPVDNAFOUND       PIC X(001).  
    88 PBFN-VPDS-DNA                VALUE 'Y'.  
    88 PBFN-VPDS-NOT-DNA            VALUE 'N'.  
    10 PBFN-VPDS-DPVNSLFOUND       PIC X(001).  
    88 PBFN-VPDS-NSL                VALUE 'Y'.  
    88 PBFN-VPDS-NOT-NSL            VALUE 'N'.  
    10 PBFN-VPDS-DPVTHRWBKFOUND    PIC X(001).  
    88 PBFN-VPDS-THROWBACK          VALUE 'Y'.  
    88 PBFN-VPDS-NOT-THROWBACK      VALUE 'N'.  
    10 FILLER                      PIC X(126).  
. .
```

PBFNParsedAdrDef (PBFNLPDS) Structure

The PBFNParsedAdrDef (PBFNLPDS) structure includes new fields.

Field	Description
cDPVNSLFound PBFN-LPDS-DPVNSLFOUND	Indicates whether an address was found in the DPV [®] No Secure Location (NSL) Table.
cDPVTHRWBKFound PBFN-LPDS-DPVTHRWBKFOUND	Indicates whether an address was found in the DPV [®] P.O. Box [™] Throwback Table.

A portion is shown below to illustrate the field additions.

PBFNParsedAdrDef

```
.  
. .  
char      cDPVDNAFound;  
char      cDPVNSLFound;  
char      cDPVTHRWBKFound;  
char *    cExtra;  
. .
```

PBFNLPDS

```
.  
. .  
10 PBFN-LPDS-DPVDNAFOUND          PIC X(001).  
88 PBFN-LPDS-DNA                   VALUE 'Y'.  
88 PBFN-LPDS-NOT-DNA               VALUE 'N'.  
10 PBFN-LPDS-DPVNSLFOUND          PIC X(001).  
88 PBFN-LPDS-NSL                   VALUE 'Y'.  
88 PBFN-LPDS-NOT-NSL               VALUE 'N'.  
10 PBFN-LPDS-DPVTHRWBKFOUND       PIC X(001).  
88 PBFN-LPDS-THROWBACK             VALUE 'Y'.  
88 PBFN-LPDS-NOT-THROWBACK         VALUE 'N'.  
10 PBFN-LPDS-EXTRA                 USAGE POINTER.  
. .
```

PBFNProcessDataAltDef (PBFNXPDS) Structure

The PBFNProcessDataAltDef (PBFNXPDS) structure includes new fields.

Field	Description
cDPVNSLFound PBFN-XPDS-DPVNSLFOUND	Indicates whether an address was found in the DPV [®] No Secure Location (NSL) Table.
cDPVTHRWBKFound PBFN-XPDS-DPVTHRWBKFOUND	Indicates whether an address was found in the DPV [®] P.O. Box [™] Throwback Table.

A portion is shown below to illustrate the field additions.

PBFNProcessDataAltDef

```
.  
. .  
char      cDPVDNAFound;  
char      cDPVNSLFound;  
char      cDPVTHRWBKFound;  
char      cFiller7[126];  
char      cExtra[128];  
. .
```

PBFNXPDS

```
.
.
.
10 PBFN-XPDS-DPVDNAFOUND          PIC X(001).
88 PBFN-XPDS-DNA                   VALUE 'Y'.
88 PBFN-XPDS-NOT-DNA              VALUE 'N'.
10 PBFN-XPDS-DPVNSLFOUND          PIC X(001).
88 PBFN-XPDS-NSL                   VALUE 'Y'.
88 PBFN-XPDS-NOT-NSL              VALUE 'N'.
10 PBFN-XPDS-DPVTHRWBKFOUND      PIC X(001).
88 PBFN-XPDS-THROWBACK            VALUE 'Y'.
88 PBFN-XPDS-NOT-THROWBACK        VALUE 'N'.
10 FILLER                          PIC X(126).
.
.
```

PBFNProcessDataDef (PBFNAPDS) Structure

The PBFNProcessDataDef (PBFNAPDS) structure includes new fields.

Field	Description
cDPVNSLFound PBFN-APDS-DPVNSLFOUND	Indicates whether an address was found in the DPV [®] No Secure Location (NSL) Table.
cDPVTHRWBKFound PBFN-APDS-DPVTHRWBKFOUND	Indicates whether an address was found in the DPV [®] P.O. Box™ Throwback Table.

A portion is shown below to illustrate the field additions.

PBFNProcessDataDef

```
.
.
.
char      cDPVDNAFound;
char      cDPVNSLFound;
char      cDPVTHRWBKFound;
char *    cExtra;
.
.
```

PBFNAPDS

```
.
.
.
10 PBFN-APDS-DPVDNAFOUND          PIC X(001).
88 PBFN-APDS-DNA                   VALUE 'Y'.
88 PBFN-APDS-NOT-DNA              VALUE 'N'.
10 PBFN-APDS-DPVNSLFOUND          PIC X(001).
88 PBFN-APDS-NSL                   VALUE 'Y'.
88 PBFN-APDS-NOT-NSL              VALUE 'N'.
10 PBFN-APDS-DPVTHRWBKFOUND      PIC X(001).
88 PBFN-APDS-THROWBACK            VALUE 'Y'.
88 PBFN-APDS-NOT-THROWBACK        VALUE 'N'.
10 PBFN-APDS-EXTRA                USAGE POINTER.
.
.
```

PBFNSetupDef (PBFNGCFG) Structure

The PBFNSetupDef (PBFNGCFG) structure includes new fields.

Field	Description
cAssignDPVNSL PBFN-GCFG-ASSIGNDPVNSLD	Indicates whether to use the DPV [®] NSL Table and return the proper NSL code to the output.
cAssignDPVTHRWBK PBFN-GCFG-ASSIGNDPVTHRWBKD	Indicates whether to use the DPV [®] P.O. Box™ Throwback Table and return the proper Throwback code to the output.

A portion is shown below to illustrate the field additions.

PBFNSetupDef

```
.  
. .  
char      cAssignDPVDNA[ON_OFF_FLAG];  
char      cAssignDPVNSL[ON_OFF_FLAG];  
char      cAssignDPVTHRWBK[ON_OFF_FLAG];  
char      cFiller7[151];  
. .
```

PBFNGCFG

```
.  
. .  
10 PBFN-GCFG-ASSIGNDPVDNA          PIC X(004).  
88 PBFN-GCFG-DPV-DNA                VALUE 'ON'.  
88 PBFN-GCFG-NO-DPV-DNA            VALUE 'OFF'.  
10 PBFN-GCFG-ASSIGNDPVNSL          PIC X(004).  
88 PBFN-GCFG-DPV-NSL                VALUE 'ON'.  
88 PBFN-GCFG-NO-DPV-NSL            VALUE 'OFF'.  
10 PBFN-GCFG-ASSIGNDPVTHRWBK       PIC X(004).  
88 PBFN-GCFG-DPV-THROWBACK          VALUE 'ON'.  
88 PBFN-GCFG-NO-DPV-THROWBACK      VALUE 'OFF'.  
10 FILLER                            PIC X(151).  
. .
```

Copybook Changes

The Finalist® 9.2.0 release includes copybook changes.

Copybook Changes for New LACSLink® Output Field

New fields have been added to the PBFNADRS and PBFNRRTN copybooks. For LACSLink® converted addresses, the new PBFN-ADRS-PRELACSADDRESS (PBFNADRS) and the PBFN-RRTN-PRELACSADDRESS fields contain the input address that was sent to LACSLink® for processing.

PBFNADRS

```
.  
. .  
10 PBFN-ADRS-DPVSEEDHIT            PIC X(001).  
88 PBFN-ADRS-DPV-SEED-HIT          VALUE 'Y'.  
88 PBFN-ADRS-NO-DPV-SEED-HIT      VALUE 'N'.  
10 PBFN-ADRS-PRELACSADDRESS        PIC X(071).  
10 FILLER                          PIC X(194).  
10 FILLER                          PIC X(004).
```

PBFNRRTN

```
.  
. .  
10 PBFN-RRTN-DPVSEEDHIT            PIC X(001).  
88 PBFN-RRTN-DPV-SEED-HIT          VALUE 'Y'.  
88 PBFN-RRTN-NO-DPV-SEED-HIT      VALUE 'N'.  
10 PBFN-RRTN-PRELACSADDRESS        PIC X(071).  
10 FILLER                          PIC X(194).  
10 FILLER                          PIC X(004).
```

Copybook Changes for DPV[®] No Secure Location (NSL) Table and P.O. Box[™] Throwback Table Fields

New fields have been added to the following copybooks for the New DPV[®] No Secure Location (NSL) Table and the DPV[®] P.O. Box[™] Throwback Table.

PBFNADRS

```
.
.
.
10 PBFN-ADRS-PRELACSADDRESS PIC X(071).
10 PBFN-ADRS-DPVNSLFOUND PIC X(001).
   88 PBFN-ADRS-NSL VALUE 'Y'.
   88 PBFN-ADRS-NOT-NSL VALUE 'N'.
10 PBFN-ADRS-DPVTHRWBKFOUND PIC X(001).
   88 PBFN-ADRS-THROWBACK VALUE 'Y'.
   88 PBFN-ADRS-NOT-THROWBACK VALUE 'N'.
10 FILLER PIC X(192).
10 FILLER PIC X(004).
```

PBFNSDPV

```
.
.
.
10 PBFN-SDPV-R7 PIC S9(08) BINARY.
10 PBFN-SDPV-DPVNSLFOUND PIC S9(08) BINARY.
10 PBFN-SDPV-DPVTHRWBKFOUND PIC S9(08) BINARY.
10 FILLER PIC X(066).
10 FILLER PIC X(002).
```

PBFNVPDS

```
.
.
.
10 PBFN-VPDS-DPVDNAFOUND PIC X(001).
   88 PBFN-VPDS-DNA VALUE 'Y'.
   88 PBFN-VPDS-NOT-DNA VALUE 'N'.
10 PBFN-VPDS-DPVNSLFOUND PIC X(001).
   88 PBFN-VPDS-NSL VALUE 'Y'.
   88 PBFN-VPDS-NOT-NSL VALUE 'N'.
10 PBFN-VPDS-DPVTHRWBKFOUND PIC X(001).
   88 PBFN-VPDS-THROWBACK VALUE 'Y'.
   88 PBFN-VPDS-NOT-THROWBACK VALUE 'N'.
10 FILLER PIC X(126).
```

PBFNLPDS

```
.
.
.
10 PBFN-LPDS-DPVDNAFOUND PIC X(001).
   88 PBFN-LPDS-DNA VALUE 'Y'.
   88 PBFN-LPDS-NOT-DNA VALUE 'N'.
10 PBFN-LPDS-DPVNSLFOUND PIC X(001).
   88 PBFN-LPDS-NSL VALUE 'Y'.
   88 PBFN-LPDS-NOT-NSL VALUE 'N'.
10 PBFN-LPDS-DPVTHRWBKFOUND PIC X(001).
   88 PBFN-LPDS-THROWBACK VALUE 'Y'.
   88 PBFN-LPDS-NOT-THROWBACK VALUE 'N'.
10 PBFN-LPDS-EXTRA USAGE POINTER.
```

PBFNXPDS

```
.
.
.
10 PBFN-XPDS-DPVDNAFOUND PIC X(001).
   88 PBFN-XPDS-DNA VALUE 'Y'.
   88 PBFN-XPDS-NOT-DNA VALUE 'N'.
10 PBFN-XPDS-DPVNSLFOUND PIC X(001).
   88 PBFN-XPDS-NSL VALUE 'Y'.
   88 PBFN-XPDS-NOT-NSL VALUE 'N'.
10 PBFN-XPDS-DPVTHRWBKFOUND PIC X(001).
   88 PBFN-XPDS-THROWBACK VALUE 'Y'.
   88 PBFN-XPDS-NOT-THROWBACK VALUE 'N'.
10 FILLER PIC X(126).
```


PBFNAPDS

```
.  
. .  
10 PBFN-APDS-DPVDNAFOUND PIC X(001).  
88 PBFN-APDS-DNA VALUE 'Y'.  
88 PBFN-APDS-NOT-DNA VALUE 'N'.  
10 PBFN-APDS-DPVNSLFOUND PIC X(001).  
88 PBFN-APDS-NSL VALUE 'Y'.  
88 PBFN-APDS-NOT-NSL VALUE 'N'.  
10 PBFN-APDS-DPVTHRWBKFOUND PIC X(001).  
88 PBFN-APDS-THROWBACK VALUE 'Y'.  
88 PBFN-APDS-NOT-THROWBACK VALUE 'N'.  
10 PBFN-APDS-EXTRA USAGE POINTER.  
. .
```

PBFNGCFG

```
.  
. .  
10 PBFN-GCFG-ASSIGNDPVDNA PIC X(004).  
88 PBFN-GCFG-DPV-DNA VALUE 'ON'.  
88 PBFN-GCFG-NO-DPV-DNA VALUE 'OFF'.  
10 PBFN-GCFG-ASSIGNDPVNSL PIC X(004).  
88 PBFN-GCFG-DPV-NSL VALUE 'ON'.  
88 PBFN-GCFG-NO-DPV-NSL VALUE 'OFF'.  
10 PBFN-GCFG-ASSIGNDPVTHRWBK PIC X(004).  
88 PBFN-GCFG-DPV-THROWBACK VALUE 'ON'.  
88 PBFN-GCFG-NO-DPV-THROWBACK VALUE 'OFF'.  
10 FILLER PIC X(151).  
. .
```

New LACSLink® Output Field

The Finalist® 9.2.0 release includes a new LACSLink® output field. For LACSLink® converted addresses, Finalist® now returns the input address that was sent to LACSLink® for processing.

Calling Language	New Structure/Copybook Output Field
C	PBFNAddressDataDef C structure - cPreLACSAddress field
COBOL	PBFNADRS - PBFN-ADRS-PRELACSADDRESS PBFNRRTN - PBFN-RRTN-PRELACSADDRESS

New Job Definition File Output Field Keyword

The Finalist® 9.2.0 release includes a new LACSLink® job definition file output field keyword.

Definition Keyword	Description	Recommended Length
oPreLACSAddress=x,y; a[,y]; o	Identifies the position (x) and length (y) of the original input address that was passed to LACSLink® and LACSLink® converted.	70

New Job File {FILES} Section Keywords

The following table describes new optional keywords that can be defined in the Job file {FILES} section. Although the fReport keyword is not new for the Finalist® 9.2.0 release, we have included the fReport keyword in the table to present a complete picture of the available report file keywords in the Job File {FILES} section. In the table descriptions, note that (file spec) should be replaced with the complete path of the appropriate files without the parenthesis (i.e., C:\Pitney Bowes\MYDATA.TXT).

{FILES} Section Keywords

Keyword	Required/ Optional	Description
f3553FileName=(file spec)	Optional	Defines the USPS® Form 3553 (CASS™ Summary Report) file name. The value specified overrides the value specified in the configuration file.
fReport=(file spec)	Optional	Defines the location for the driver program to write the Batch Summary Report. If omitted, the report file path, " Batch Report Filename = ", contained in the pbfncfg will be used. We recommend that you specify a unique report file name for each job file using this keyword in order to associate a particular report file with a specific batch run.
fDetailReport=(file spec)	Optional	Defines the location for the driver program to write the Address Detail Report. If omitted, the report file path, " Report Filename = ", contained in the pbfncfg will be used. We recommend that you specify a unique report file name for each job file using this keyword in order to associate a particular report file with a specific batch run.
fpbfncfgLog=(file spec)	Optional	Defines the location for the driver program to write the Finalist® engine log messages. If omitted, the report file path, " Log Filename = ", contained in the pbfncfg will be used. We recommend that you specify a unique report file name for each job file using this keyword in order to associate a particular report file with a specific batch run.

JCL Changes

The Finalist® 9.2.0 release includes JCL changes. The new RDI™ file size resulted in changes to:

- Mainframe JCL to load the RDI database (RDREPROD)
- CICS RDO statements (PBFN015D)
- IMS DBDSORC (FNRDIDB)

New and Changed Error Codes

The Finalist® 9.2.0 release includes new and changed error codes.

- The scope of error code 4104 has changed for the Finalist® 9.2.0 release. Previously, error code 4104 was generated when an address failed to match to a Unique ZIP Code™ and no input ZIP Code™ was provided. Finalist® now generates a 4104 error code whenever processing is unable to match to a Unique ZIP Code™.
- The Finalist® 9.2.0 release includes three new error codes for error situations that were previously reported under error code 4500. The new error codes (4465, 4466, and 4467) provide more clarity on why Finalist® was unable to code an address.
 - These new error codes may appear in the error field (cError) of the PBFNProcessDataDef (PBFNProcessDataAltDef) and PBFNParsedAdrDef (PBFNParsedAdrAltDef) structures.
 - The Finalist® Batch Report includes new lines for the new 4465, 4466, and 4467 error codes on page 6 in the Nonassignment Codes - Address Retrieval section. For more information, please refer to Chapter 6, Reports in your *Finalist® User's Guide* and to "[Report Changes](#)" on page 28 of this document.

- The Finalist® 9.2.0 release includes a new error code for an error situation that was previously reported under error code 5102. The new error code provides more clarity on why the Lookup Tool might not display a suggestion list for Apt/suite number. Previously, if an apt/suite number was invalid, the Lookup Tool was able to provide a suggestion list of valid apt/suite numbers. If the apt/suite number was invalid and there were no secondaries for the address, the Lookup Tool would provide an empty suggestion list that could result in confusion when the empty suggestion list displayed. To remedy this situation, error code 5102 has been split into two error codes:
 - Existing error code 5102 now indicates that an apt/suite number is present but that apt/suite number is invalid. The Lookup Tool can provide a suggestion list of valid apt/suite numbers.
 - New error code 5106 indicates that the apt/suite number is invalid and that there are no secondaries for the address. In this case, the Lookup Tool cannot provide a suggestion list of valid apt/suite numbers and will no longer display an empty suggestion list.

The following table lists the error codes that are new or changed for the Finalist® 9.2.0 release.

Error Codes (Returned Strings)

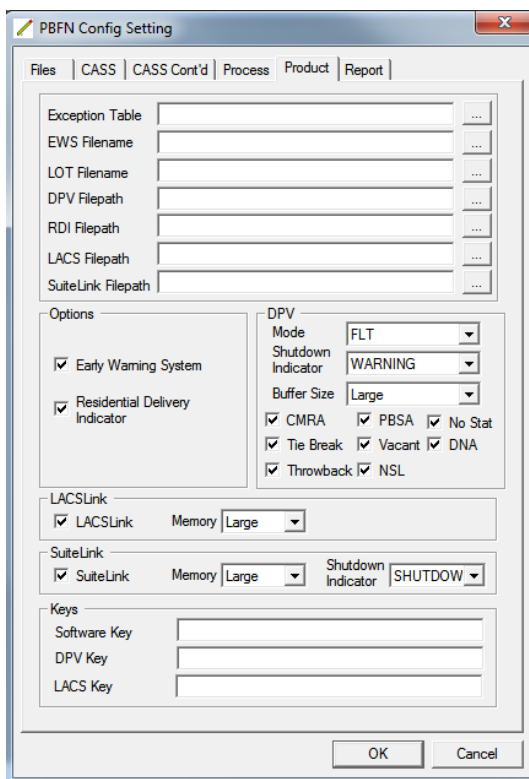
Error Code	Status	Description
4104	Changed	Cannot match to Unique ZIP Code™.
4465	New	Address requires a firm. No firm was provided or the firm failed to match.
4466	New	Address requires secondary addresses (there is no default street address). No secondary was provided or the secondary did not match.
4467	New	Address coded but was flagged for ZIP™ Move processing. The address failed to meet the final ZIP™ Move criteria. ZIP™ Move processing requires an exact match of street, suffix, and directional (both pre and post).
5102	Changed	Warning: Apt/suite number is invalid.
5106	New	Warning: Apt/suite number is unavailable.

User Interface (UI) Changes

The Finalist® 9.2.0 release includes the following UI changes.

PBFN Config Setting Dialog Box Changes for the Workbench and Lookup Tool

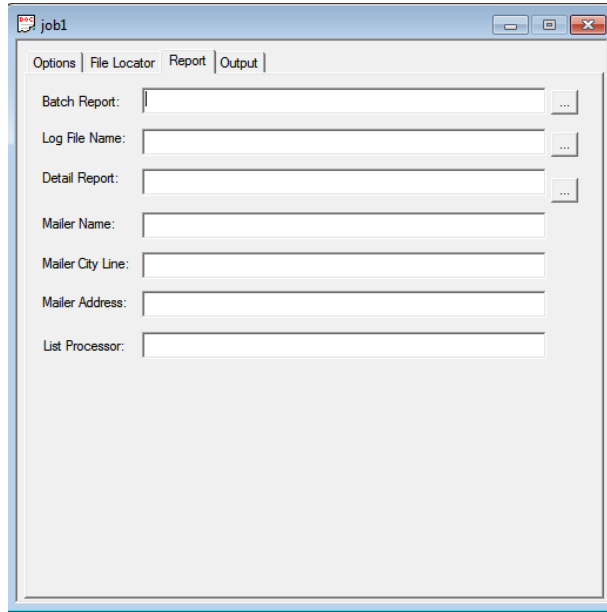
New check boxes have been added to the Product Tab on the PBFN Config Setting dialog box to activate the P.O. Box™ Throwback Table and the No Secure Location (NSL) Table for DPV® processing.



Workbench Screen Changes

Report Tab

New fields have been added to the Report tab on the New Definition File dialog box. You can use the fields on the Report tab to identify the filenames for the report files and the mailer's name and address information for Box D3 on the USPS® Form 3553 (CASS™ Summary Report) for your Job File (.job).



New Field	Description
Batch Report	Name of the file to contain the processing statistics. Click on the Browse button to open a dialog box to specify a path and file name for the Finalist® Batch Report file.
Log File Name	Name of the file to contain the Finalist® engine log messages. Click on the Browse button to open a dialog box to specify a name for the Log File.
Detail Report	Name of the file to contain the processing statistics. Click on the Browse button to open a dialog box to specify a name for the Address Detail Report File.

For information on the Finalist® reports, refer to Chapter 6, Using the Finalist® Reports, in your *Finalist® User's Guide*.

Lookup Tool Screen Changes

Process Info Tab

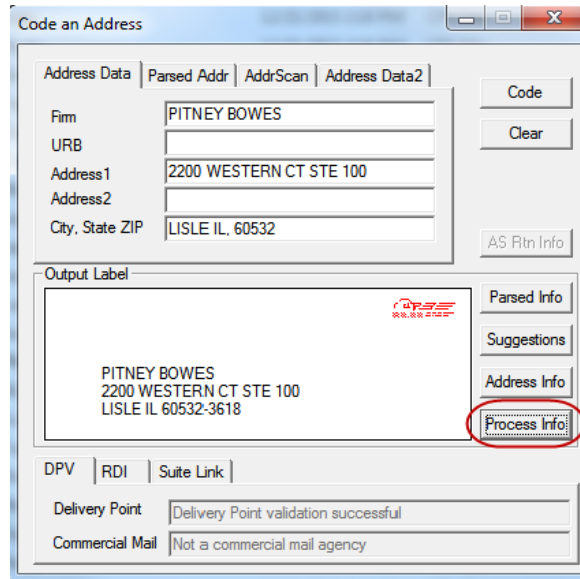
The Standard Address Data Returned screen displays the following new fields:

- **PreLACSAddress** — Contains the input address sent for LACS^{Link}® process for addresses that LACS^{Link}® converted.
- **DPV® NSL** — Indicates whether the address was found in the DPV® No Secure Location (NSL) Table. 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). For more information on the DPV® No Secure Location (NSL) Table, please refer to "[DPV® No Secure Location \(NSL\) Table](#)" on page 6.

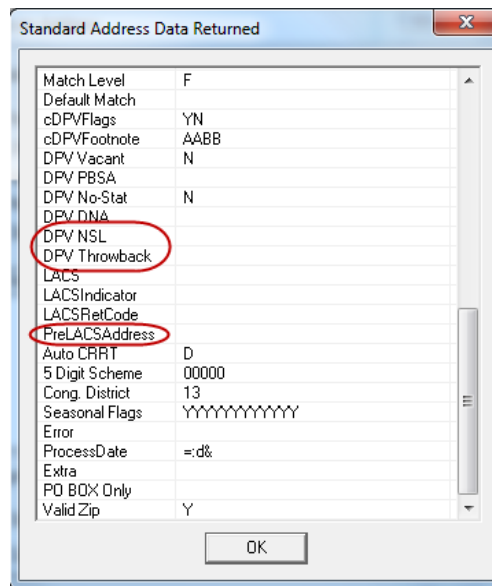
- **DPV® Throwback** — Indicates whether the address was found in the DPV® P.O. Box Throwback Table. DPV® processing uses the P.O. Box™ Throwback Table to identify a delivery point that is a street address where mail is not delivered. Instead, delivery is made to the customer's P.O. Box™ address. For more information on the DPV® P.O. Box™ Throwback Table, please refer to "[Support for USPS® DPV® P.O. Box™ Throwback Table](#)" on page 3.

To access the Standard Address Data Returned screen.

1. From the Lookup Tool, click Postal Code. Enter an address to code as shown in the example below. Click Code.



2. From the Code An Address screen, click the Process Info button. Scroll down to see the new DPV® NSL, DPV® Throwback, and PreLACSAddress fields.



Match Level	F
Default Match	
cDPVFlags	YN
cDPVFootnote	AABB
DPV Vacant	N
DPV PBBSA	
DPV No-Stat	N
DPV DNA	
DPV NSL	
DPV Throwback	
LACS	
LACSIndicator	
LACSRetCode	
PreLACSAddress	
Auto CRRT	D
5 Digit Scheme	00000
Cong. District	13
Seasonal Flags	YYYYYYYYYYYY
Error	
ProcessDate	=:d&
Extra	
PO BOX Only	
Valid Zip	Y

Parsed Info Tab

The Parsed Information screen displays the following new fields:

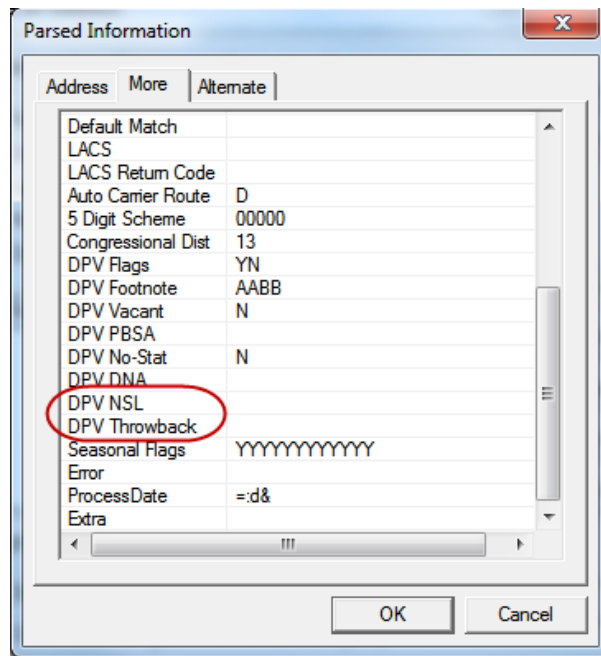
- **DPV[®] NSL** — Indicates whether the address was found in the DPV[®] No Secure Location (NSL) Table. DPV[®] processing uses the No Secure Location (NSL) table to identify delivery locations that are not secure. For example, a carrier can access a door but cannot leave a package due to security concerns. The NSL designation alerts mailers to locations where businesses are closed on certain days and locations without mail receptacles (i.e., a storefront). For more information on the DPV[®] No Secure Location (NSL) Table, please refer to "[DPV[®] No Secure Location \(NSL\) Table](#)" on page 6.
- **DPV[®] Throwback** — Indicates whether the address was found in the DPV[®] P.O. Box Throwback Table. 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. For more information on the DPV[®] P.O. Box[™] Throwback Table, please refer to "[Support for USPS[®] DPV[®] P.O. Box[™] Throwback Table](#)" on page 3.

To access the Parsed Information screen.

1. From the Lookup Tool, click Postal Code. Enter an address to code as shown in the example below. Click Code.
2. From the Code An Address screen, click the Parsed Info button.

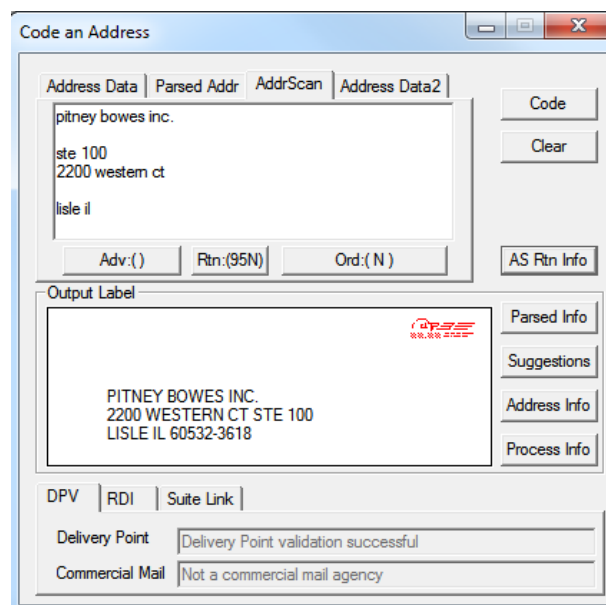
The screenshot shows a software window titled "Code an Address". It has several tabs: "Address Data", "Parsed Addr", "AddrScan", and "Address Data2". The "Address Data" tab is active, showing input fields for "Firm" (PITNEY BOWES), "URB", "Address1" (2200 WESTERN CT), "Address2", and "City, State ZIP" (LISLE IL). To the right of these fields are "Code" and "Clear" buttons, and a "AS Rtn Info" button below. Below the input fields is an "Output Label" section containing a USPS logo and the address: "PITNEY BOWES", "2200 WESTERN CT STE 100", "LISLE IL 60532-3618". To the right of the output label are "Suggestions", "Address Info", and "Process Info" buttons. The "Parsed Info" button is circled in red. At the bottom, there are tabs for "DPV", "RDI", and "Suite Link". Below these are "Delivery Point" (Delivery Point validation successful) and "Commercial Mail" (Not a commercial mail agency) fields.

3. Click the More tab. Scroll down to see the new DPV[®] NSL and DPV[®] Throback fields.

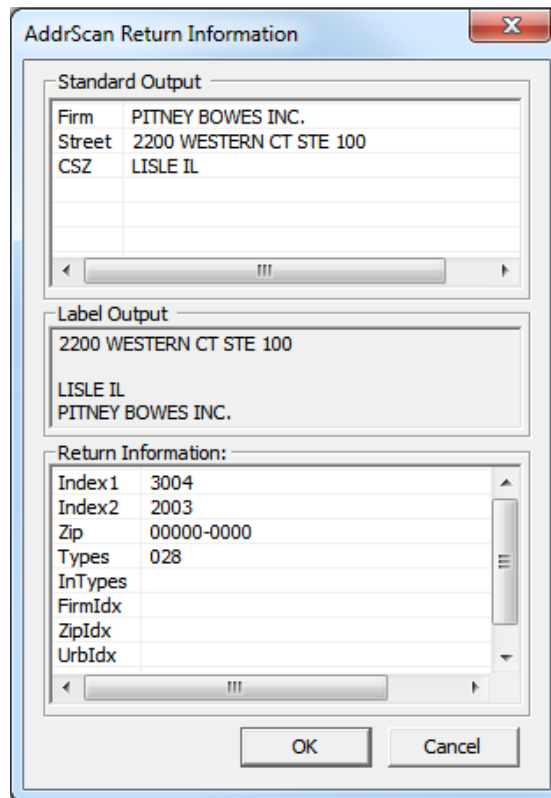


Code an Address Screen

The AddrScan tab on the Code an Address screen includes a new AS Rtn Info button. In previous releases, the AddrScan Return Information screen displayed automatically after you clicked CODE. With the Finalist[®] 9.2.0 release, when you click Code, the Output Label displays immediately. You can optionally click on the AS Rtn Info button to view detailed AddrScan return information.



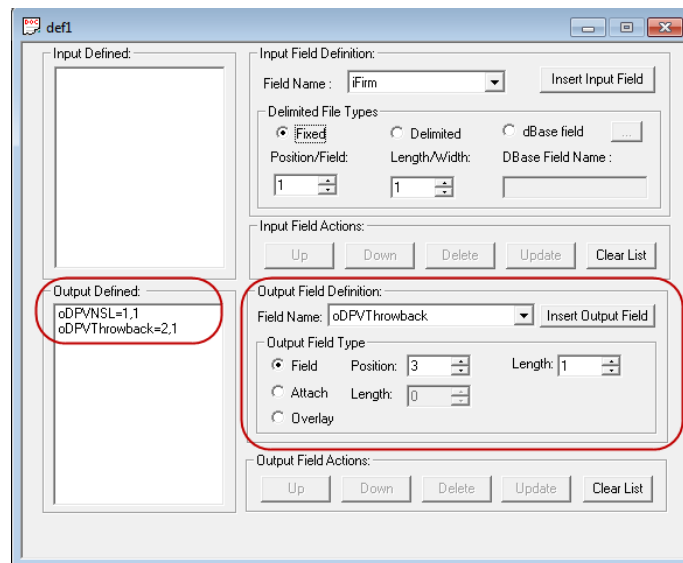
The AddrScan Return Information dialog displays the standard output, label output, and return information.



Workbench Screen Changes

Definition File Setup Dialog Box

You can now select and define the DPV[®] No Secure Location Table and DPV[®] P.O. Box[™] Throwback Table output fields from the Definition File Setup dialog box.



CICS Screen Changes

The Finalist® 9.2.0 release includes CICS screen changes.

CICS Main Menu

The Finalist® 9.2.0 release includes changes to the CICS Main Menu screen for LPCF for the new DPV® No Secure Location Table and the DPV® P.O. Box™ Throwback Table.

```

FINALIST ON-LINE N.N                                     (C) YYYY PITNEY BOWES INC.

Option Code: 1 (Valid options listed below)              HH:MM:SS

1-Address Lookup      3-ZIPCODE Information      5-Street Information
2-City Information    4-Street Name List         6-Product Information

Exception Table: N (Y/N)                                ALSLBL : N (Y/N/1/2/3/4/5/6)
EWS: N (Y/N)          FIRMLBL: D (I/D)
RDI: N (Y/N)          ASM : N (Y/N)
LACSLink: N (Y/N)     DUALADR: F (F/A/1/2/P/C)
SuiteLink: N (Y/N)    CTYLONG: Y (Y/N)
SLK Secondary: B (B/S/I/N) R777 Deliverable: Y (Y/N)
DPV: N (Y/N/S/F)      Cnvert Sec to PMB: N (Y/N)
NoStat: Y CMRA: Y Tie Break: Y (Y/N)
Vacant: Y PBSA: Y DNA: Y (Y/N)
THRWBK: Y          NSL: Y (Y/N)

PF1: OPT 1  PF2: OPT 2  PF3: OPT 3  PF4 : OPT 4  PF5 : OPT 5  PF6 : OPT 6
PF7: N/A    PF8: N/A    PF9: RESET  PF10: N/A   PF11: N/A   PF12: EXIT
    
```

CICS Return Area Screen

The Finalist® 9.2.0 release includes changes to the CICS Return Area screen for LPCF for the new DPV® No Secure Location Table and the DPV® P.O. Box™ Throwback Table.

```

FINALIST ON-LINE N.N                                     (C) YYYY PITNEY BOWES INC.
INPUT INFORMATION:                                     RETURN AREA
FIRM LINE : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
URB LINE : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ADDR LINE 1: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ADDR LINE 2: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CITY/STATE: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ZIP: NNNNN SEC-SEG: NNNN CR: XXXXX

ISOLATION RESULTS:                                     ISOLATION ATTEMPTS: N
RANGE: XXXXXXXXXX SUFFIX1: AAAA
PRE-DIRECT: AA SUFFIX2: AAAA
POST-DIR: AA APARTMENT: XXXXXX
STREET: XXXXXXXXXXXXXXXXXXXXXXXXXXXXX EXTRANEOUS: XXXXXXXXX

DIRECTION/SUFFIX COMBINATIONS OUTPUT INFORMATION
PRE-DIR SUFX1 SUFX2 POST-DIR ZIPCODE: NNNNN NSL: X THRWBK: X
----- SEC-SEG: NNNN DPV: X NOSTAT: X
1) AA AAAA AAAA AA CR: XXXX LLK: X VACANT: X
2) AA AAAA AAAA AA CITY: XXXXXXXXXXXXXXXX SLK: X CMRA : X
3) AA AAAA AAAA AA STATE: XX DNA: X POBZNE: X

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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: RETCODE PF12: EXIT
    
```

IMS Screen Changes

The Finalist® 9.2.0 release includes IMS screen changes.

Main Menu

The Finalist® 9.2.0 release includes changes to the IMS Main Menu screen for S56LPWNH for the new DPV® No Secure Location Table and the DPV® P.O. Box™ Throwback Table.

```

S56LPWNH          FINALIST ON-LINE INQUIRY VERSION X.XX          (C) PITNEY BOWES INC. XXXX
OPTION CODE: 1    (VALID OPTIONS LISTED BELOW)                    HH: MM: SS

1-Address Lookup      3-ZIPCODE Information      5-Street Information
2-City Information    4-Street Name List      6-Product Information

Exception Table: N (Y/N)
EWS: N (Y/N)
RDI: N (Y/N)
LACSLink: N (Y/N)
SuiteLink: N (Y/N)
SLK Secondary: B (B/S/I/N)
DPV: N (Y/N/S/F)
NoStat: Y CMRA: Y Tie Break: Y (Y/N)
Vacant: Y PBSA: Y DNA: Y (Y/N)
THRWBK: Y          NSL: Y (Y/N)

ALSBL: N (Y/N/1/2/3/4/5/6)
FIRMLBL: D (I/D)
ASM: N (Y/N)
DUALADR: F (F/A/1/2/P/C)
CTYLONG: Y (Y/N)
R777 Deliverable: Y (Y/N)
Cnvert Sec to PMB: N (Y/N)

PF1: OPT 1  PF2: OPT 2  PF3: OPT 3  PF4 : OPT 4  PF5 : OPT 5  PF6 : OPT 6
PF7: N/A    PF8: N/A    PF9: RESET  PF10: N/A   PF11: N/A   PF12: EXIT
  
```

IMS Return Area Screen

The Finalist® 9.2.0 release includes changes to the IMS Return Area screen for S56LPWNH for the new DPV® No Secure Location Table and the DPV® P.O. Box™ Throwback Table.

```

S56LPWNH          FINALIST ON-LINE N.N          HH: MM: SS
INPUT INFORMATION:          RETURN AREA
+FIRM LINE : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
URB LINE : XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ADDR LINE 1: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ADDR LINE 2: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CITY/STATE: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ZIP: NNNNN SEC-SEG: NNNN CR: XXXXX

ISOLATION RESULTS:          ISOLATION ATTEMPTS: N
RANGE: XXXXXXXXX          SUFFIX1: AAAA
PRE-DIRECT: AA            SUFFIX2: AAAA
POST-DIR: AA              APARTMENT: XXXXXX
STREET: XXXXXXXXXXXXXXXXXXXX EXTRANEOUS: XXXXXXXX

DIRECTION/SUFFIX COMBINATIONS  OUTPUT INFORMATION  NSL: X  THRWBK: X
PRE-DIR SUFX1 SUFX2 POST-DIR  ZIPCODE: NNNNN          DPV: X  NOSTAT: X
-----
1) AA AAAA AAAA AA          CR: XXXX          LLK: X  VACANT: X
2) AA AAAA AAAA AA          CITY: XXXXXXXXXXXX    SLK: X  CMRA : X
3) AA AAAA AAAA AA          STATE: XX             DNA: X  POBZNE: X

XXXXXXXXXXXXXXXXXXXXXXXXX ERROR MESSAGE XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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: RETCODE  PF12: EXIT
  
```

Report Changes

The Finalist[®] 9.2.0 release includes report changes.

Finalist[®] Batch Report - Page 3

Page 3 of the Finalist[®] Batch Report includes two new lines.

- The DPV[®] Throwback Table line indicates whether Finalist[®] used the DPV[®] P.O. Box[™] Throwback Table for DPV[®] processing to return the proper Throwback code for the job. For more information on the DPV[®] P.O. Box[™] Throwback Table, please refer to "[Support for USPS[®] DPV[®] P.O. Box[™] Throwback Table](#)" on page 3.
- The DPV[®] NSL Table line indicates whether Finalist[®] used the DPV[®] No Secure Location (NSL) Table for DPV[®] processing to return the proper NSL code for the job. For more information on the DPV[®] No Secure Location (NSL) Table, please refer to "[DPV[®] No Secure Location \(NSL\) Table](#)" on page 6.

The following sample Finalist[®] Batch Report displays the two new lines in bold.

Finalist Batch Report © YYYY PITNEY BOWES INC.

Page 3

Product Section:

Exception Table Filename:	
EWS Filename:	D:\PitneyBowes\CycleM\BASE\ews.txt
LOT Filename:	D:\PitneyBowes\CycleM\ELOT\ELOT.dir
DPV Filepath:	D:\PitneyBowes\CycleM\DPV\
RDI Filepath:	D:\PitneyBowes\CycleM\RDI\
LACSLink Filepath:	D:\PitneyBowes\CycleM\LACS
SuiteLink Filepath:	D:\PitneyBowes\CycleM\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 6

Page 6 of the Finalist® Batch Report includes three new lines in the Address Retrieval section to accommodate the statistics for the three new error codes. For more information on the new 4465, 4466, and 4467 error codes, please refer to Chapter 7, Finalist® Error Codes in your *Finalist® User's Guide* and to the section "[New and Changed Error Codes](#)" on page 18 in this document. The following sample Finalist® Batch Report displays the three new lines in bold.

Finalist Batch Report

Page 6

Nonassignment Codes

Address Parsing	Count	%
4301 - No Street or Primary Name in Address:	281	0.06
4399 - Blank Address Record:	9	0.00
Address Retrieval	Count	%
4411 - No Primary Name Found:	19151	3.99
4412 - No Primary Names Ranked with Certainty:	16910	3.52
4421 - Invalid Range or House Number:	11314	2.35
4422 - Incorrect or Missing Directional:	1161	0.24
4423 - Incorrect or Missing Suffix:	170	0.04
4425 - Incorrect or Missing Suffix and Directional:	8	0.00
4450 - Missing Range:	3826	0.80
4451 - Multiple Choice or Ambiguous Component Errors:	101	0.02
4460 - EWS Failure:	24	0.00
4461 - LOT Errors:	0	0.00
4465 - Firm Only Match Failures:	176	0.04
4466 - Secondary Only Match Failures:	0	0.00
4467 - ZIP Move Failures:	0	0.00
4500 - Other Errors:	0	0.00

City, State, ZIP Code Parsing	Count	%
4101 - No City, State, and ZIP Code in Address:	1	0.00
4102 - No ZIP Code and No City Name in Address:	9	0.00
4103 - No ZIP Code and No State Name in Address:	99	0.02

City, State, ZIP Code Retrieval	Count	%
4211 - Invalid ZIP Code and no City Name in Address:	0	0.00
4212 - No ZIP Code and Invalid City Name in Address:	2861	0.60
4213 - Invalid ZIP Code and Invalid City Name in Address:	0	0.00
Total Nonassignment Codes	58087	12.09

Address Detail Report

The Finalist® 9.2.0 release includes changes to the Info Codes Report - Match Section. The DPV® Results (cDPVFlags) field now includes information on whether the input address matched to the DPV® P.O. Box Throwback Table or the DPV® No Secure Location Table (in addition to the existing DPV® CMRA, DNA, NoStat, PBSA, Vacant tables). For more information on the DPV® P.O. Box™ Throwback Table and the DPV® No Secure Location Table, please refer to "[Support for USPS® DPV® P.O. Box™ Throwback Table](#)" on page 3 and "[DPV® No Secure Location \(NSL\) Table](#)" on page 6.

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® 9.2.0 release.

Recompile of All Programs Required

If you are currently processing with a Finalist® release prior to 9.2.0, you must recompile all of your drivers with the Finalist® 9.2.0 changes. As a result of changes in the API version, changes within several APIs, and copybook changes, all programs should be recompiled to run with Finalist® 9.2.0.

Database Changes

This section provides important information on database changes effective with the Finalist® 9.2.0 release.

Database Compatibility

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

Final Shipment of Finalist® Database v8.3.0

The last shipment of the Finalist® Database v8.3.0 (for use with Finalist® versions 8.3.0, 8.2.0 and earlier releases) will occur in December 2016. You must upgrade to Finalist® 9.0.0 or higher to continue to run release-compatible monthly databases. The Finalist® v9.1.0 and higher databases will continue to be supported beyond December 2016. The Finalist® v9.1.0 database is compatible with the Finalist® 9.0.0 and Finalist® 9.1.0 software versions.

Support for New SHA-256 File Encryption

The USPS® announced a change to the Link products (DPV®, LACSLink®, SuiteLink®, RDI™, and others) that requires implementation of newer/compliant SHA-256 code in all USPS® Link products before August 1, 2017. The Finalist® 9.2.0 release includes support for the new USPS® mandated SHA-256 style databases. The Finalist® 9.2.0 release installation provides a seamless conversion to the new SHA-256 databases that does not require Finalist® customers to make any changes to begin processing with the SHA-256 databases. For more information on the new SHA-256 databases, please refer to "[Support for New SHA-256 File Encryption](#)" on page 3.

RDI™ File Distribution

Beginning with the Finalist® 9.2.0 release, customers who use RDI™ for address matching can download the RDI™ database directly from the Pitney Bowes support website at <http://www.g1.com/support> and the eStore, which is the fastest way to download software and data.

RDI™ File Size Change

The USPS® announced that, effective with the release of the March 2016 RDI™ data, the RDI™ file size was being increased in an effort to reduce the number of false positives in the RDI™ product. The RDI™ database, distributed by Pitney Bowes, has been enhanced to accommodate a new format, the change in file size, and to provide a simplified load procedure (similar to other *Link products). If you are using RDI™, the space required for the RDI databases has increased from 24 MB to 48 MB of space. The new RDI™ file size resulted in changes to:

- Mainframe JCL to load the RDI™ database (RDREPROD)
- CICS RDO statements (PBFN015D)
- IMS DBDSORC (FNRDIDB)

Database Delivery

The Pitney Bowes AutoDelivery process automatically delivers the most current version of databases. With the Finalist® 9.2.0 release, AutoDelivery will begin delivering the Finalist® 9.2.0 databases. Databases can be manually downloaded from the support website at <http://www.g1.com/support> and the eStore. The eStore is the fastest way to download software and data.

i USPS® CASS™ regulations require DPV®, LACS^{Link}®, and Suite^{Link}® processing for CASS™ certification. If you do not perform DPV®, LACS^{Link}®, and Suite^{Link}® processing, Finalist® does not generate a USPS® Form 3553 (CASS™ Summary Report).

StreamWeaver® / EngageOne® Enrichment

StreamWeaver® 7.0.0 was designed to call Finalist® 9.1.0. StreamWeaver® 7.0.0 can call Finalist® 9.2.0 but a deprecation message will be issued. Other than the deprecation message, there is no impact to jobs.

EngageOne® Enrichment 7.1.0 is tentatively scheduled for 1Q 2017 and will support Finalist® 9.2.0. If you are a StreamWeaver® customer, you may decide to wait for the EngageOne® Enrichment 7.1.0 release before you implement Finalist® 9.2.0 and implement the Finalist® 9.2.0 and EngageOne® Enrichment 7.1.0 releases in parallel to avoid the deprecation messages.

VeriMove™

VeriMove™ 3.7.0, scheduled for release in the first half of 2017, will include Finalist® 9.2.0 as the Internal CASS™ Processing engine. VeriMove™ customers who use External CASS™ Processing may use Finalist® 9.2.0 as their External CASS™ Processing engine immediately. Information on the next VeriMove™ release will be shared as details becomes available.

Corrected Issues

The Finalist® 9.2.0 release corrects issues for:

- All Platforms
- z/OS
- IMS
- Unix
- z/OS

All Platforms

Change Requests Resolved for All Platforms (Part 1 of 7)

Change Request	Change Description
FINALIST-2597	ENHANCEMENT — For LACSLink® converted addresses, Finalist® now returns the input address that was sent to LACSLink® for processing.
FINALIST-2702	ENHANCEMENT — Enhanced coding of some perfect Puerto Rico addresses that were not coding to now use additional address styles for matching including: <ul style="list-style-type: none">• Rangeless secondary• Alpha range for CALLE streets Input address: 100 CALLE SAN EXPEDITO STE OFC MAYAGUEZ PR 00682-1609 Address did not code. Correctly coded address (STE OFC now isolated as unit designator/unit range instead of street): 100 CALLE SAN EXPEDITO STE OFC MAYAGUEZ PR 00682-1609
FINALIST-2814	ENHANCEMENT — Add JOB option to override Address Detail Report file name in the Finalist.exe driver. For more information, refer to "New Job File {FILES} Section Keywords" on page 18 .
FINALIST-2815	ENHANCEMENT — Add JOB option to override LOG file name in the Finalist.exe driver. For more information, refer to "New Job File {FILES} Section Keywords" on page 18 .
FINALIST-2860	Corrected an issue where the return code for jobs calling the Finalist® batch driver (./finalist, Finalist.exe, or PGM=FINALIST) varied based on how the last address in the input file was coded. If the last address coded, Finalist® generated return code 0 for the job. If the last address failed to code, Finalist® generated return code 17 for the job.
FINALIST-2864	Corrected a coding issue with the following address. Input address: 11511 Country Rd 341 Tyler, TX 75706 Address did not code (Finalist® returned a 4421 error - invalid range). Correctly coded address: 11511 COUNTY ROAD 341 TYLER TX 75706-2119

Change Requests Resolved for All Platforms (Part 2 of 7)

Change Request	Change Description
FINALIST-2867	<p>ENHANCEMENT - Enhanced processing of addresses containing "STATE RD" and/or "HWY". Finalist® now uses variations for these address words in coding attempts.</p> <p>Input address: 7212 HIGHWAY 60 E HENDERSON KY 42420</p> <p>Address did not code.</p> <p>A second attempt using the variation "US HIGHWAY" in place of "HIGHWAY" results in a match.</p> <p>Correctly coded address: 7212 US HIGHWAY 60 E HENDERSON KY 42420-9157</p>
FINALIST-2875	<p>The Finalist® batch driver contained an error that resulted in the VeriMove™ XTERN data layout being incomplete if jATTACH and oDPVFOOTNOTE were not specified (or specified as No). This issue has been resolved for VeriMove™ customers using Finalist® for External CASS™ processing.</p>
FINALIST-2885	<p>Corrected a coding issue for Puerto Rico addresses that contained a hyphenated word following CALLE as a combination of street and range.</p> <p>Input address: URB GUARICO CALLE A-E18 VEGA BAJA PR</p> <p>Address did not code.</p> <p>Correctly coded address: URB GUARICO E18 CALLE A VEGA BAJA PR 00693-4004</p>
FINALIST-2888	<p>Corrected an issue in AddrScan processing where "POBOX" (all as one word) did not combine with the P.O. Box™ number when processing with the skip city option activated.</p> <p>Input address: POBOX 123 LOS ANGELES CA 900670603</p> <p>Incorrectly standardized output line: POBOX 123 LOS ANGELES CA 900670603</p> <p>Correctly standardized output line: POBOX 123 LOS ANGELES CA 900670603</p>
FINALIST-2890	<p>The USPS® announced that, effective with the release of the March 2016 RDI™ data, the RDI™ file size was being increased in an effort to reduce the number of false positives in the RDI™ product. The RDI™ database, distributed by Pitney Bowes, has been enhanced to accommodate a new format and the change in file size.</p>
FINALIST-2892	<p>ENHANCEMENT — Added new AS Rtn Info button to the AddrScan tab on the Code an Address screen to enable viewing of detailed AddrScan return information. The AddrScan Return Information dialog displays the standard output, label output, and return information.</p>

Change Requests Resolved for All Platforms (Part 3 of 7)

Change Request	Change Description
FINALIST-2898	<p>Corrected an issue with AddrScan processing for two-line addresses with a two-word state name by itself on one line. AddrScan was skipping one of the address lines.</p> <p>Input address: PO BOX 200 2885 BELGIUM RD BALDWINSVILLE NEW YORK 13027-2797</p> <p>Incorrectly coded address (second address line dropped): PO BOX 200</p> <p>BALDWINSVILLE NEW YORK</p> <p>Correctly coded address: PO BOX 200 2885 BELGIUM RD BALDWINSVILLE NEW YORK 13027-2797</p>
FINALIST-2899	<p>Corrected an issue with AddrScan processing that resulted in a missing address line for addresses without input city and state and a street suffix that also exists as a state abbreviation. For example:</p> <p>Eastern Industrial Suite A 11 CALEDON CT</p>
FINALIST-2906	<p>Corrected an issue where Finalist[®] was splitting the street name " APTA" into APT A resulting in the address not coding.</p> <p>Input address: 5 APTA WAY KIRYAS JOEL NY</p> <p>Address did not code.</p> <p>Correctly coded address: 5 APTA WAY KIRYAS JOEL NY 10950-3868</p>
FINALIST-2910	<p>Corrected a problem where the PBFNTransact API was not respecting the requested storage limits for the *Link products resulting in a CICS Short on Storage (SoS) condition with the PBFN transaction.</p>
FINALIST-2923	<p>Modified RDI[™] processing in response to the USPS[®] announcement that the RDI[™] file size was being increased in an effort to reduce the number of false positives in the RDI[™] product. The Finalist[®] 9.2.0 release includes support for the increased RDI[™] file size on all supported platforms.</p>
FINALIST-2927	<p>Corrected an issue in AddrScan processing where an address line was being duplicated as the firm line.</p> <p>Input address: 141 E College Ave Agnes Scott College Box #751 Decatur, GA 30030</p> <p>Incorrectly returned address (address line duplicated as firm line): Agnes Scott College Box #751 141 E College Ave Decatur, GA 30030 141 E College Ave</p> <p>Correctly returned address: 141 E College Ave Agnes Scott College Box #751 Decatur, GA 30030</p>

Change Requests Resolved for All Platforms (Part 4 of 7)

Change Request	Change Description
FINALIST-2930	Corrected a crash that occurred in AddrScan due to a buffer overflow situation resulting from unusually long alpha-numeric input. The AddrScan internal buffer size has now been increased and AddrScan now truncates the length of data that exceeds the expected size.
FINALIST-2943	<p>Corrected coding for addresses containing NR followed by a number. NR is now treated as #.</p> <p>Input address: CLL 25 BLQ 45 NR 14 MIRAFLORES BAYAMON PR 00957</p> <p>Address did not code.</p> <p>Correctly coded address: URB MIRAFLORES 45-14 CALLE 25 BAYAMON PR 00957-3816</p> <p>Also resolves an additional coding issue for an address containing NR.</p> <p>Input address: 8191 COUNTY RD NR 43515</p> <p>Address did not code.</p> <p>Correctly coded address: 8191 COUNTY ROAD NR DELTA OH 43515-9603</p>
FINALIST-2946	<p>ENHANCEMENT - Enhanced coding process by trying the removal of trailing words from an address line if there is a suffix in the middle of the address line. If successful, the extra words are placed in the EXTRA field.</p> <p>Input address: 65 5TH AVE KERRY HALL NEW YORK NY</p> <p>Address did not code.</p> <p>Correctly coded address (the extra words "KERRY HALL" are placed in the EXTRA field): 65 5TH AVE NEW YORK NY 10003-3003</p>
FINALIST-2951	<p>Corrected processing of the -g option that overrides the configuration file when running a batch job via a Windows command line using the Finalist.exe driver (PGM=FINALIST, ./finalist).</p> <p>ENHANCEMENT - Added new JOB option, f3553FileName, to override 3553 Report Filename defined in the configuration file.</p>
FINALIST-2953	<p>Corrected a coding issue for addresses containing an abbreviated suffix that also exists as a state abbreviation. For example, CT is both a suffix (Court) and a state abbreviation for Connecticut.</p> <p>Input address: 704 E CT NR # 24 PARIS IL 61944</p> <p>Address did not code.</p> <p>Correctly coded address: 704 E COURT ST APT 24 PARIS IL 61944-2484</p>

Change Requests Resolved for All Platforms (Part 5 of 7)

Change Request	Change Description
FINALIST-2955	<p>Corrected a problem with the Finalist[®] Compatibility Interface (CI) where the value for Reason Code 9 was not always being set to 2 when Return Input Firm was selected and an incorrect firm name was provided.</p> <p>Input address: CHILDRENS HOSP OF PITT 4401 Penn Ave 3rd FLR Pittsburgh PA</p> <p>Finalist[®] was ignoring whether FIRMLBL was set to "I" or "D" and always setting FINAL-REASON-CODE9 to "1" indicating that Finalist[®] is returning the database match firm name.</p> <p>Processing has been corrected. For example, for the address above:</p> <ul style="list-style-type: none"> • If FIRMLBL is set to "D", FINAL-REASON-CODE9 is set to "1" . • If FIRMLBL is set to "I", FINAL-REASON-CODE9 is set to "2" . <p>The default value for FINAL-FIRMLBL-OPT (caFirmLabel) is "D".</p> <p>Correctly coded address when FIRMLBL is set to "I": CHILDRENS HOSP OF PITT 4401 PENN AVE FL 3RD PITTSBURGH PA 15224-1342</p> <p>Input firm name returned. Reason Code 9 = 2.</p> <p>Correctly coded address when FIRMLBL is set to "D": CHILDRENS HOSPITAL 4401 PENN AVE FL 3RD PITTSBURGH PA 15224-1342</p> <p>USPS[®] database firm name returned. Reason Code 9 = 1.</p>
FINALIST-2960	<p>Added support in AddrScan for Spanish characters. For example:</p> <p>Input address: 22 Calle Muñoz Rivera Apt 1 Adjuntas PR 00601</p>
FINALIST-2966	<p>Corrected processing of addresses with directional street names (for example, West St.) and rangeless unit designators (for example, Lower Front) as the secondary range.</p> <p>Input address: 29 WEST ST APT OFC NEW MILFORD CT 06776</p> <p>Address did not code.</p> <p>Correctly coded address: 29 WEST ST APT OFC NEW MILFORD CT 06776-3567</p>
FINALIST-2968	<p>Corrected issues with the coding of some grid style addresses with suffixes.</p> <p>Input address: 6612 N 6000 WEST RD MANTENO IL 60950</p> <p>Address did not code.</p> <p>Correctly coded address: 6612 N 6000W RD MANTENO IL 60950-3254</p>

Change Requests Resolved for All Platforms (Part 6 of 7)

Change Request	Change Description
FINALIST-2970	ENHANCEMENT - Added three new error codes for error situations that were previously reported under error code 4500. The new error codes provide more clarity on why Finalist® was unable to code an address.
FINALIST-2971	Corrected an issue where the 9.1.0 release version of the StateCut utility was processing differently from the 9.0.0 release version. In some cases, StateCut was failing with "Get Bytes" error when creating a smaller database.
FINALIST-2983	ENHANCEMENT - Enhanced LACSLink® processing. Previously, an input address without a ZIP Code™ would fail LACSLink® processing. Now, if an input address is located in a single ZIP Code™ city, Finalist® passes that single ZIP Code™ to LACSLink® to attempt to successfully process the input address.
FINALIST-2991	Refined the resolution for FINALIST-2946. Finalist® does not perform the special isolation for a unique ZIP Code™.
FINALIST-2992	<p>ENHANCEMENT - Enhanced processing of PMBs (Private Mail Box) to allow new variations:</p> <ul style="list-style-type: none"> • P M Box • P MB • PM B • PM Box <p>Input address: 845 BERGEN AVE P M BOX 345 JERSEY CITY NJ 07306-4517</p> <p>Previous output: 845 BERGEN AVE # 345 PMB OX JERSEY CITY NJ 07306-4517</p> <p>New output: 845 BERGEN AVE PMB 345 JERSEY CITY NJ 07306-4517</p>
FINALIST-2999	<p>Corrected an issue for the following address that was both an R777 and unique ZIP Code™ address. R777 addresses should always fail (under USPS® Cycle O option) and a unique ZIP Code™ should always be assigned a +4 code. The USPS® favors a unique ZIP Code™ in this case. Processing has been changed to prevent R7 footnote and E4602 failures for unique ZIP Code™ addresses in the rare instances in which this situation occurs.</p> <p>Input address: 7 E UNIVERSITY DR FLAGSTAFF AZ 86011</p> <p>Previous output: 7 E UNIVERSITY DR FLAGSTAFF AZ 86011</p> <p>cError=4602, DPVFootnote=AAU1R7</p> <p>New output: 7 E UNIVERSITY DR FLAGSTAFF AZ 86011-7060</p> <p>cError=blank, DPVFootnote=AAU1</p>
FINALIST-3002	Corrected an issue that occurred when PBFNProcess was called with the PBFNAddressDataDef structure initialized with blanks via a COBOL driver. The PBFNAddressInfoDef structure City Name field, Compatibility Interface Reason Code 2 - Return City Explanation, was always indicating that the city was a nonmailing city name.

Change Requests Resolved for z/OS (Part 2 of 2)

Change Request	Change Description
FINALIST-2941	<p>ENHANCEMENT - Added a level 88 to the FINAL-EWS-OPT field in the LPFNCL01 COBOL copybook to turn EWS processing on and off as can be done with FINAL-LLK-OPT and FINAL-DPV-OPT.</p> <pre> 05 FINAL-EWS-OPT PIC X(01) . 88 FINALIST-EWS-OFF VALUE 'N' . 88 FINALIST-EWS-ON VALUE 'Y' . </pre>
FINALIST-3015	<p>Corrected an issue where the S56LPWNH (IMS) transaction was incorrectly generating an error message about an invalid parameter on the PBFNTerminate call. The S56LPWNH transaction is no longer sending this error message:</p> <pre> S56LPWNH ERROR MESSAGE IN IMS MSG REGION WHEN PRESSING PF6 12.05.56 JOB00957 +Could not write log message. 12.05.56 JOB00957 +06/09/16 12:05.56;ERR;DEVL:2870;16777298;20202;Error;Invalid PBFNTerminate() parameter 12.05.56 JOB00957 +Errno = 0 : EDC5000I No error occurred. </pre>

Documentation Changes

The Finalist® 9.2.0 documentation provides detailed information on all enhancements and changes for the Finalist® 9.2.0 release. The following table describes the Finalist® 9.2.0 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>	<p>The Finalist® 9.2.0 release changes to the <i>Finalist® Installation Guide</i> include documentation changes for:</p> <ul style="list-style-type: none"> • Finalist® 9.2.0 release enhancements and updates. • DPV® NSL and Throwback Tables. • Additions to the configuration file (pbfncfg) for DPV® NSL and Throwback Tables. • File size changes for the Finalist® database and auxiliary databases. • Using the auxiliary databases.
<i>Finalist® User's Guide</i>	<p>The Finalist® 9.2.0 release changes to the <i>Finalist® User's Guide</i> include documentation changes for:</p> <ul style="list-style-type: none"> • Finalist® 9.2.0 release enhancements and updates. • DPV® NSL and Throwback Tables. • User Interface (UI) changes. • Additions to the configuration file (pbfncfg) for DPV® NSL and Throwback Tables. • Report changes. • Changed and improved error codes.
<i>Finalist® Reference Guide</i>	<p>The Finalist® 9.2.0 release changes to the <i>Finalist® Reference Guide</i> include documentation changes for:</p> <ul style="list-style-type: none"> • Finalist® 9.2.0 release enhancements and updates. • DPV® NSL and Throwback Tables. • Structure changes. • Deprecated structures.

For more information on the Finalist® 9.2.0 release changes, download the Finalist® 9.2.0 documentation from the Pitney Bowes Support Site at <http://www.g1.com/support>.

Help File Changes

The Finalist[®] 9.2.0 release includes an updated help file. The updated help file is provided with the Windows UI.

Finalist[®] 9.2.0 Release Availability

The Finalist[®] 9.2.0 release is available for download from Pitney Bowes at <http://www.g1.com/support>. Log in to Support>My Products>Finalist>View Available Downloads>Software tab.

Technical Support

If you have any questions, you can contact us at software.support@pb.com or by telephone at 1-800-367-6950 to speak with a Finalist[®] Technical Support Representative.