

MailStream Plus™

Version 8.3.5

Release Notes

This release is mandatory. You must install this release to take advantage of software enhancements and fixes, including January 2018 pricing changes.

Contents:

Release 8.3.5 highlights	2
Required documentation and documentation updates	2
Preparation changes	3
New parameter	4
Updated parameters	5
Deleted parameters	7
xx INF sub keyword changes	8
Informed Delivery support	11
Product fixes and enhancements	16
Mail.dat® Support Changes	20
Platform-specific information	22

Release 8.3.5 highlights

MailStream Plus™ documentation is available [at this site](#). This document contains release information about MailStream Plus™ Release 8.3.5, which includes:

- Support for January 21, 2018 pricing changes and other required USPS® changes
- Mail.dat™ Support Changes for the 17-2 specification
- Support for USPS® Informed Delivery
- Improvements to the display of mail owner-permit information shown on postage statements
- Updated Postal Reference File delivery and installation on the IBM® i platform
- Resolutions for customer-reported issues

Note: Mailings you submit for USPS® processing on January 20, 2018, or earlier, must be prepared with MailStream Plus™ release 8.3.3. Mailings you submit on Jan 21, 2018 or later, must be prepared with MailStream Plus™ release 8.3.5.

Where applicable, this document includes a change request or enhancement number with an item description. We provide *Domestic Mail Manual™* (DMM™), *Postal Bulletin*, and *Federal Register Notice* references when necessary. We recommend that you review these publications to fully understand the scope of these issues. Review this document to determine whether any of the product changes affect your company.

Required documentation and documentation updates

At general release time, documentation will be available at [our support site](#).

- *MailStream Plus™ Guide for All Platforms*
- *MailStream Plus™ Installation Guide for All Platforms*
- *License Management Guide* for all products

The *MailStream Plus Guide for All Platforms* contains information that was previously available in the now-retired *IBM i® User's Guide*.

Contact our customer service group to obtain credentials.

Preparation changes

This section outlines the preparation change for January 2018 implementation.

Order of pallet preparation for Carrier Route (CR) pallets in non-FSS zones

The USPS® is updating the hierarchy of pallet preparations to increase the number of pure CR pallets - as opposed to 5-digit merged pallets) - presented in non-FSS zones. This includes both USPS® Marketing Mail and Periodicals. This change will increase the amount of mail eligible for a CR pallet discount, resulting in enhanced eligibility for lower mailpiece pricing. (*Pitney Bowes reference - MSPLUS-9439*)

Current Pallet Preparation Hierarchy	New Pallet Preparation Hierarchy
Merged 5-digit scheme	5-digit scheme carrier routes
5-digit scheme carrier routes	Merged 5-digit scheme
5-digit scheme	5-digit scheme
Merged 5-digit	5-digit carrier routes
5-digit carrier routes	Merged 5-digit
5-digit	5-digit
3-digit	3-digit
SCF through mixed-ADC	SCF through mixed-ADC

Update zone chart to reflect Priority Mail™ Exceptions

The USPS® is updating the zone chart to reflect that Priority Mail™ destined to Army Post Office (APO), Diplomatic Post Office (DPO), or Fleet Post Office (FPO) shipments to the Pacific Theater and the European Theater is processed and flown out of Chicago (ORD) instead of New York (JFK). To calculate the zone for Priority Mail™ destined to APO/DPO/FPO, the Zone Chart Exception file will be used to determine the zone. Two new indicators, a and 1, will be added to direct users to the exception file representing Priority Mail™ destined to APO/DPO/FPO. (*Pitney Bowes reference - MSPLUS-9441*)

- indicator a - Both NDC Entry Discount indicator and Priority Mail™ going to military ZIP Codes zones are available in the exceptions file.
- indicator 1 - Priority Mail™ going to military ZIP Codes zones is available in the exceptions file.

New parameter

IDCURL

This new parameter defines the input location and length of up to four Informed Delivery URLs used to create the *.RMR records linked to the *.PDR and *.PBC file

Positions	Field Name	Description
1-6	Parameter keyword	IDCURL is the only acceptable entry
8-10	Input file location, URL A	Defines the starting location of URL A
12-13	Length of input URL A	Defines the length of URL A, a value of 01 through 90
15-17	Input file location of URL A template code	Allows a length of 3-4 digits to define the input file location of the template used to format URL A
19-21	Input file location, URL B	Defines the starting location of URL B
23-24	Length of input URL B	Defines the length of URL B, a value of 01 through 90
26-28	Input file location of URL B template code	Allows a length of 3-4 digits to define the input file location of the template used to format URL B
30-32	Input file location, URL C	Defines the starting location of URL C
34-35	Length of input URL C	Defines the length of URL C, a value of 01 through 90
37-39	Input file location of URL C template code	Allows a length of 3-4 digits to define the input file location of the template used to format URL C
41-43	Input file location, URL D	Defines the starting location of URL D

Positions	Field Name	Description
45-46	Length of input URL D	Defines the length of URL D, a value of 01 through 90
48-50	Input file location of URL D template code	Allows a length of 3-4 digits to define the input file location of the template used to format URL D

Updated parameters

ALG PP

Update position 8 validation for method of postage payment.

Use this field to define the postage payment method for our mailing. This field is updated to reflect that precanceled stamps are no longer valid for Parcel Select Lightweight mailpieces.

Position	Field Name	Description
8	Method of payment	<p>Define the postage payment method:</p> <ul style="list-style-type: none"> C - Precanceled stamps (postage affixed); not valid for Parcel Select Lightweight mailpieces M - Meter: strip or printed directly on mailpiece P - Permit imprint blank - Default is P.

BL FRC

Updated defaults for positions 12-16: Number of pieces

Use this field to define the number of mailpieces to force a bundle.

Positions	Field Name	Description
12-16	Number of pieces	<p>Define the number of mailpieces needed to force a bundle. The default varies for the class of mail requested:</p> <p>First-Class 0001 for automation-compatible and machinable letters, and automation-compatible tray-based flats 10 for all others</p> <p>Periodicals 1 for automation-compatible letters 6 for all others</p> <p>USPS Marketing Mail 1 for automation-compatible and machinable letters and parcels 15 for flats <= .3125 lbs. at the 5-digit and 5-digit scheme levels 10 for all others</p> <p>Package Services 10 for all mail t</p>

RENMBR

Added new field: Keep package numbers unique?

Use this field to define the numbering method for packages when starting new containers.

Position	Field Name	Description
42	Keep package numbers unique?	<p>Define the numbering method for packages when starting new containers:</p> <p>Y - Yes, use unique package numbers across all containers.</p> <p>N - No, reset the package number to 1 for each new container.</p> <p>blank - Default is N.</p>

REPORT MAILDAT

Added a new field:

Position	Field Name	Description
57	Produce Informed Delivery Campaign	Define whether to produce the Mail.dat® *.RMR and *.RMS files: Y - Yes, produce the files. N - No, do not produce the files. blank - Default is N.

SRTFLD

Updated sort values for 1101:

Sort code 1101 places mailpieces in mail sacks, trays, and bundles, in reverse order, to accommodate inserter hardware that stacks pieces face-up.

```
SRTFL1 039 001 002 003 004 102 103 105 106 107 108 109 006 007 008
SRTFL2 009 202 203 205 206 207 208 209 303 305 306 307 308 309 511
SRTFL3 014 016 066
```

Deleted parameters

In a previous release, we changed the names of certain parameters, listed below.

- ALG PK - Replaced by ALG BL
- BMC PT - Replaced by NDC PT
- BMC SQ - Replaced by NDC SQ
- FRM PK - Replaced by FRM BL
- POSTPK - Replaced by POSTBL
- PK MAX - Replaced by BL MAX
- PK FRC - Replaced by BL FRC
- PP FRC - Replaced by PB FRC
- PP MAX - Replaced by PB MAX

In the list above:

- Parameters ending with "PK" are replaced by "BL" parameters.
- parameters containing "BMC" were replaced by parameters containing "NDC."

MailStream Plus™ will no longer recognize obsolete parameter names, so change your jobs accordingly. Jobs that include the replaced parameters, above, will abend. On the IBM® i platform, the forwarding program will delete and replace the obsolete parameters for you.

xx INF sub keyword changes

Sub keywords are described in Chapter 2 of the MailStream Plus™ Guide.

Sub keyword	Len	Description	PA INF	EP INF	RP INF	BAT INF	MAIL.DAT
DELOPT NEW	1	SSF File Delivery Option Indicator; See USPS® Publication 199 for valid values.	✓	✓	✓	✓	
IDCDTO NEW	21	Overrides the Informed Delivery Campaign Start and End Date at the container level.		✓	✓	✓	✓
IDCSLK NEW	8	Links the Informed Delivery Split ID to a mailpiece. ✓					
IMBMLR REVISED	6 or 9	IM®b and IM® package barcode Mailer ID	✓	✓	✓	✓	✓
MDIAMO REVISED	12	Mail Owner customer registration ID (CRID)	✓				✓
MDLPM2	DELETED						
MDLPMØ	DELETED						
MDLPZØ	DELETED						

Sub keyword	Len	Description	PA INF	EP INF	RP INF	BAT INF	MAIL.DAT
MDMFCØ		DELETED					
MDMFØØ		DELETED					
MDMIMO REVISED	6 or 9	Mail Owner Mailer ID	✓				✓
MDLPPR REVISED	21	Additional permit information <ul style="list-style-type: none"> Removed HDR-1162 Mail.dat ZAP option for byte 23. This sub keyword is now only available on sub keyword MDZAP. This sub keyword is valid as PA INF and RP INF only: no longer valid as EP INF and BATINF options. 	✓		✓		✓
MDLPPS REVISED	4	Mail.dat™ production machine ID; Removed the first 17 bytes		✓	✓	✓	✓
MDMFPD REVISED	8	Pre-denominated postage Valid as PA INF and RP INF only: no longer valid as EP INF and BATINF options.	✓		✓		✓
MDMFDP REVISED	15	Mail.dat™ permit holder CRID Valid as PA INF and RP INF only: no longer valid as EP INF and BATINF options.	✓		✓		✓
MDZAP NEW	1	Mail.dat™ ZAP (Zone Analysis Program) option			✓		✓
MLRAD1 REVISED	30	Mail Owner address line 1 Valid as PA INF and RP INF only: no longer valid as EP INF and BATINF options.	✓		✓		
MLRAD2 REVISED	30	Mail owner address line 2 Valid as PA INF and RP INF only: no longer valid as EP INF and BATINF options.	✓		✓		

Sub keyword	Len	Description	PA INF	EP INF	RP INF	BAT INF	MAIL.DAT
MLRAD3 REVISED	30	Mail owner address line 3 Valid as PA INF and RP INF only: no longer valid as EP INF and BATINF options.	✓		✓		
MLRNAM REVISED	30	Mail owner name Valid as PA INF and RP INF only: no longer valid as EP INF and BATINF options.	✓		✓		
MLRTEL REVISED	14	Mail owner telephone number Valid as PA INF and RP INF only: no longer valid as EP INF and BATINF options.	✓		✓		
MTRSR# NEW	20	Meter serial number	✓		✓		
PMTAD1 REVISED	30	Permit holder address 1 Valid as PA INF and RP INF only: no longer valid as EP INF and BATINF options.	✓		✓		
PMTAD2 REVISED	30	Permit holder address 2 Valid as PA INF and RP INF only: no longer valid as EP INF and BATINF options.	✓		✓		
PMTAD3 REVISED	30	Permit holder address 3 Valid as PA INF and RP INF only: no longer valid as EP INF and BATINF options.	✓		✓		
PMTNAM REVISED	30	Permit holder name Valid as PA INF and RP INF only: no longer valid as EP INF and BATINF options.	✓		✓		
PMTTEL REVISED	14	Permit holder telephone number Valid as PA INF and RP INF only: no longer valid as EP INF and BATINF options.	✓		✓		
PVDSPO	DELETED						

Sub keyword	Len	Description	PA INF	EP INF	RP INF	BAT INF	MAIL.DAT
UNANO	10	Mail Owner USPS® Nonprofit authorization number ✓					
REVISED							

Informed Delivery support

USPS® Informed Delivery is a "consumer-facing feature that gives eligible residential consumers the ability to see a daily digital preview of their household's mail (*USPS*).[™] MailStream Plus™ Release 8.3.5 supports Informed Delivery through new and changed parameters, with a new Informed Delivery campaign file, and new processing messages.

New and changed parameters

- IDCDTO - This new BATINF - EP INF - RP INF sub keyword overrides the Informed Delivery campaign start and end dates, at the container level.
- IDCSLK - This new PA INF sub keyword links the Informed Delivery split ID to a mailpiece.
- IDCURL - This new parameter defines the input location and length for up to four URLs used to create *.RMR records linked to the *.PDR and *.PBC files.
- REPORT MAILDAT - new field: - This parameter is updated to include a flag to create Informed Delivery campaigns.

New Informed Delivery campaign file (MSIDCMI)

MailStream Plus™ will allow users the ability to provide a new control file to define Informed Delivery campaign information. This file will contain these record types:

- Campaign record
- Split record
- URL record
- Comment record

A single Informed Delivery campaign file can define multiple campaigns.

Informed Delivery campaign file formats, by platform

- Windows®, UNIX® and Linux™ - Line-sequential file with a maximum length of 110 bytes
- z/OS® - Fixed-length file, 110 bytes

Campaign Record layout

The campaign record defines the Informed Delivery campaign. The file may contain multiple campaign records, but the campaign ID must be unique.

Positions	Field Name	Length	Description	Mail.dat record populated
1-2	Record type	2	Must be CM	
4-11	Campaign ID	8	Must be unique, alphanumeric	
13-72	Campaign title	60	Campaign title	RMS-1003

Split Record layout

The split record defines each of the splits within the campaign (for example: "A-B Testing"). There is no limit to the number of splits for a campaign. The Split ID must be unique across all campaigns. The Campaign ID links each split to a campaign.

Positions	Field Name	Length	Description	Mail.dat record populated
1-2	Record type	2	Must be SP	
4-11	Split ID	8	Must be unique, alphanumeric	RMS-1002
13-20	Campaign ID	8	Campaign ID containing this split; alphanumeric	
22-48	Campaign code	27	Split name	RMS-1004
49-61	Reserved	13		
63-92	Display name	30	Name to display for this campaign split	RMS-1006
94-101	Start date	8	Start date for this campaign split, YYYYMMDD format	RMS-1007

Positions	Field Name	Length	Description	Mail.dat record populated
103-110	End date	8	End date for this campaign split, YYYYMMDD format	RMS-1008

URL Record layout

The URL record defines the URLs associated to each split. There can be up to four URL records linked to each split, one for each type. The Split ID links the URL record to the split record.

Positions	Field Name	Length	Description	Mail.dat record populated
1-2	Record type	2	Must be UA, UB, UC, or UD	RMR-1004
4-11	Split ID	8	Split ID containing this URL; Must be unique, alphanumeric	
13	Link to	1	Define the "link to" entity: <ul style="list-style-type: none"> • C = Component • P = Piece 	
15	URL from name-address record	1	Define the URL source: <ul style="list-style-type: none"> • Y = URL will be determined from name-address record; This option is valid only when Link to is P. • N = Not from name-address record 	RMS-1004
17-106	URL	90	Contains the URL; If URL from name/address record is Y , this field may contain the base (first part of the URL). MailStream Plus will append information that is specified by the IDCURL parameter.	RMR-1005
108	URL template code	1	Template code; Defaults to A if blank	RMR-1008

Comment Record layout

The split record defines each of the splits within the campaign (for example: "A-B Testing"). There is no limit to the number of splits for a campaign. The Split ID must be unique across all campaigns. The Campaign ID links each split to a campaign.

Positions	Field Name	Length	Description
1-2	Record type	2	Must be **
4-110	Comment	107	Free form descriptive text

Informed Delivery error codes

Error code	Severity	Messages	Resolution
6001	8	Invalid RECORD TYPE ?? Invalid Start Date ???????? Invalid End Date ???????? Invalid URL from NA Record ? Invalid URL Template code	Ensure that the named entity from name-address indicator is correctly formatted and referenced.
6002	8	Campaign code must not be blank Campaign ID must not be blank Split ID must not be blank URL Split ID must not be blank URL Value must not be blank	Ensure that the campaign code, campaign ID, split ID, and URLs are not blank.
6003	8	Duplicate Campaign Record Duplicate Campaign Title Duplicate Split Record Duplicate Campaign Code within Campaign Duplicate URL Record	Ensure that the record name, campaign title, split record, campaign code within the campaign, and URL record are unique.

Error code	Severity	Messages	Resolution
6004	8	Mismatch between URL link to and URL from NA Record	There is a conflict between the URL link to and the URL from the name-address record. Check the URLs you are specifying for your Informed Delivery campaign; correct as needed. This option is valid only when Link to is P .
6007	8	Required IDCURL parameter not defined for URL	This message is generated by Informed Delivery campaign validation. This error occurs if MailStream Plus cannot locate a URL needed for Informed Delivery. Ensure that your job includes an IDCURL parameter with the correct URL type. Ensure that the URL matches the actual URL name.

New Informed Delivery error and warning messages

Message	Resolution	Severity
*** ERROR *** Informed Delivery Campaign not created due to no Campaign Records	MailStream Plus™ could not find any completed campaigns defined within the Informed Delivery campaign file. Ensure that you have defined the required records for your campaign.	8
*** ERROR *** Split record ???????? not used	MailStream Plus™ could not find a campaign record associated with the split record. Ensure that you have defined the required records for your campaign.	8
*** ERROR *** URL record ?????????? not used	MailStream Plus™ could not find the split record associated with the URL record. Ensure that you have defined the required records for your campaign.	8
*** ERROR *** Campaign ???????? not created	MailStream Plus™ could not create the campaign because of missing split or URL records. Ensure that you have defined the required records for your campaign.	8
*** ERROR *** Split ???????? not created for Campaign ???????? due to no URL Records	MailStream Plus™ could not create the campaign split because of missing URL records. Ensure that you have defined the required records for your campaign.	8

Message	Resolution	Severity
*** ERROR *** Campaign ???????? not created due to no Split Records	MailStream Plus™ could not create the named campaign because of missing split records. Ensure that you have defined the required split records for your campaign.	8
*** ERROR *** Informed Delivery requested but no campaign defined	MailStream Plus™ could not create an Informed Delivery campaign, although specified, because no campaign was defined. Ensure that you have defined the required records for your campaign.	8
*** ERROR *** Invalid Informed Delivery Split ???????? - P ATTR ????????	MailStream Plus™ could not locate the Informed Delivery campaign split you specified. Check your file and parameter definitions, including P ATTR and PA INF.	8
One or more RMR-1005 URLs exceeds 90 characters	Ensure that the URL does not exceed 90 characters; correct as needed.	8
One or more RMR-1008 Template Codes are invalid	Ensure that the template code is made up of letters A through Z, only.	8
One or more URLs within NA record were blank	Ensure that the URLs are all defined in the name/address record	8

Product fixes and enhancements

Some changes apply to existing parameters, so we recommend that you review Chapter 1 of the MailStream Plus™ Guide for details.

Enhancement or Fix Number	Description
MSPLUS-4875	Corrected a TLBLKS error occurring when ALG LV has option "F" in position 20
MSPLUS-7179	Corrected a divide by zero error in program MSPSPS00 when performing FSS sorts on mailings containing both automation-compatible and non-Automation compatible mailpieces
MSPLUS-7284	Added validation to USPS® Marketing Mail ride-along mailpieces in Periodicals™ mailings

Enhancement or Fix Number	Description
---------------------------	-------------

MSPLUS-7595	Corrected ladder pointer error in MLPSP01 when processing ML TYP Package Services machinable bound printed matter with EP ROL Active
MSPLUS-7781	Corrected an error with First-Class™ parcels, where MailStream Plus™ created more than one virtual sack grouping
MSPLUS-8303	Corrected a TLBLKS error caused by input with all non-ZIP + 4 coded records for FSS processing
MSPLUS-8413	Removed the first three TOTALs values from the Statistics by Piece-ID report
MSPLUS-8439	Added needed <i>PostalOne!</i> checks and verification
MSPLUS-8553	Corrected misspelling of "Customized" in the Customized MarketMail Interpretation of Parameters Report
MSPLUS-8600	Corrected misspelled parameter "PATTR," to "P ATTR," (with a space), which occurred in some error messages
MSPLUS-8611	Corrected processing counts for the FILEDF MSSTIN Skip Records option, and Number of Records option
MSPLUS-8636	Corrected sorting by SRTFLD 1101 so that it does not break up bundles; see the updated description of SRTFLD sort code 1101 for details
MSPLUS-8650	Added parameter validation for ML TYP field "Optional DMM Container Sort Options" (position 14)
MSPLUS-8763	The header record is now being generated in the Shipping Services File (SSF)
MSPLUS-8767	Reformatted the information reported on first page of postage statements to improve readability
MSPLUS-8773	EP ROL is now moving AADC letter trays from the SCF entry point to the NDC entry point when the trays are not eligible to receive the SCF discount
MSPLUS-8785	Corrected error "Cannot reference a record whose ptr is 0; in TLGET" occurring when using BL FRC parameter positions 12-16 to set the number of pieces to force a bundle
MSPLUS-8786	Corrected the delivery option indicators for method of payment

Enhancement or Fix Number Description

MSPLUS-8796	AADC letter trays that contain mailpieces for multiple SCFs are now receiving DSCF rates when placed on an SCF pallets
MSPLUS-8803	Corrected an error in which the manifest rate code was not assigned to non-automation carrier route mailpieces
MSPLUS-8821	Corrected some instances in which MailStream Plus™ placed First-Class™ and USPS® Marketing Mail letter presort mailpieces into AADC trays with an incorrect AADC destination
MSPLUS-8834	Enhanced EP ROL to attempt to move USPS® Marketing Mail letters in AADC trays to the appropriate SCF for receiving SCF Discounts, prior to rolling them to the next level entry point
MSPLUS-8836	Corrected formatting of SSF Time of Mailing in the header record (positions 46-51)
MSPLUS-8842	Corrected two issues: 1) Corrected postal reference file, which was missing some corresponding STIDs; 2) Updated the code to issue an error if a corresponding STID could not be found
MSPLUS-8852	Added "Y" for machinable mail (MPU-1123); Option was missing in the version supporting Mail.dat® 17-1
MSPLUS-8856	Fixed a problem in which all sacks were closed before all mail for a sack was reviewed
MSPLUS-8857	Fixed a PAVE issue in which reduced overflow was not rolling from the 5-digit to the AADC level
MSPLUS-8923	Corrected IVP job conflict between POSTRC and POSTMK parameter posting positions
MSPLUS-8924	Corrected a subscript error that occurred when loading the rate table
MSPLUS-8943	Made several changes to xx INF parameter sub keywords to accommodate changes in how Mail Owner information is defined and used; Review this topic for more information.
MSPLUS-8974	Made modifications to how permit information is used
MSPLUS-8975	Corrected a problem in which NDC PT, SCF PT, or ADC PT did not generate additional entry point information when not selecting to "qualify all" of the entry points (using position 8 of the parameter)
MSPLUS-8985 MSPLUS-8992	Corrected data within SSF file detail record

Enhancement or Fix Number Description

MSPLUS-8991	Added parameter validation for IMBCTL
MSPLUS-8998	(Documentation) Corrected field name for POSTMK, positions 20-22: Manifest Rate Code
MSPLUS-9004	Corrected a typo in an error message to place a space between "turned" and "off": DMM auto-compatible ECR turned off - non-compatible mailing
MSPLUS-9066	Corrected an error where MailStream Plus™ was not assigning single mailpieces correctly when the group contained FSS bundles
MSPLUS-9070	Corrected single piece weight on statement 3605: It should be only two decimal places according to DMM 604.7
MSPLUS-9077	Justified layout of sub keyword MDLPPS - left justified remaining data
MSPLUS-9078	Corrected the accounting of firm bundles in Single Piece section of report 3605-R
MSPLUS-9129	Corrected an error where some FSS mailpieces receiving basic carrier route pallet pricing did not get an OEL rate marking
MSPLUS-9178	Now allowing for contiguous bundle numbers across all containers; new location added to RENMBR parameter to add this new feature.
MSPLUS-9185	Added template code messages for Mail.dat® RMR file validation
MSPLUS-9185	Added Informed Delivery template validation
MSPLUS-9187	Added error when URL from name-address record and no IDCURL parameter is defined or if target location pointer is blank
MSPLUS-9190	Corrected an error in which the Mail.dat™ firm bundle mailpiece count was not assigned to the correct mailpiece within the firm bundle
MSPLUS-9295	Corrected the carrier route/automation optimization to properly account for MXD AADC rate mail
MSPLUS-9296	Corrected SSF file creation to exclude invalid ZIP Code records
MSPLUS-9300	Corrected the setting of the Mail.dat™ .MPU record, position 90, for mailings of fewer than 500 pieces of mail; Single piece rate records will now receive the value R.
MSPLUS-9342	Corrected BG FRC thickness defaults for USPS® Marketing Mail flats in letter trays

Enhancement or Fix Number	Description
---------------------------	-------------

MSPLUS-9381	Updated the method used to generate ZIP Codes used for the Entry Point ZIP Code value, for entry points generated by the NDC
MSPLUS-9391	Corrected error "Ladder pointer search exceeded max in MAXLP E 0008: PS3DG KGDLEV" when processing Invalid ZIP Codes
MSPLUS-9393	Corrected issues where BPM flats were not being correctly unqualified when they fell off of a pallet
MSPLUS-9471	Unqualified Single Piece Batches should not create FSS Bundles (USPS® Marketing Mail Flats)

Mail.dat® Support Changes

Release 8.3.5 supports Informed Delivery campaigns. Review the current Mail.dat® Specification at idealliance.org/specifications/maildat.

DD Name	File name	17-2 Length	17-1 Length (previous)	Change (bytes)	Structural Changes
MSMDCCR	uuuuffff.CCR	21	21		
MSMDCPT	uuuuffff.CPT	256	256		
MSMDCQT	uuuuffff.CQT	90	90		
MSMDCSM	uuuuffff.CSM	768	768		
MSMDEPD	uuuuffff.EPD	45	45		
MSMDHDR	uuuuffff.HDR	2000	2000		Yes
MSMDICR	uuuuffff.ICR	82	82		

DD Name	File name	17-2 Length	17-1 Length (previous)	Change (bytes)	Structural Changes
MSMDMCR	uuuuffff.MCR	100	100		
MSMDMPA	uuuuffff.MPA	258	258		
MSMDMPU	uuuuffff.MPU	192	192		
MSMDPBC	uuuuffff.PBC	70	70		
MSMDPDR	uuuuffff.PDR	138	138		
MSMDPQT	uuuuffff.PQT	64	64		
MSMDRMR	uuuuffff.RMR	157	75	n/a - NEW	
MSMDRMS	uuuuuuuu.RMS	165	n/a	n/a - NEW	
MSMDSEG	uuuuffff.SEG	268	268		
MSMDSFB	uuuuffff.SFB	67	67		
MSMDSFR	uuuuffff.SFR	92	92		
MSMDSNR	uuuuffff.SNR	160	160		
MSMDUPA	uuuuffff.UPA	88	88		
MSMDWSR	uuuuffff.WSR	50	50		

Platform-specific information

Release 8.3.5 of MailStream Plus™ is supported on the following platforms:

Platforms	Version
IBM® i	7.2
	7.3
Linux	RED HAT 5.4
	RED HAT 6
	RED HAT 7
	SuSE 11
	SuSE 12
UNIX	AIX 7.1
	AIX 7.2
	SOLARIS 5.10
	SOLARIS 5.11
	HP-UX 11.31I
Windows®	2008-R2
	2012-R2
	2016
z/OS	2.1
	2.2

Be sure to review your specific platform details to determine how these changes may affect your existing jobs. Be sure to review our [Supported Platforms document](#) for operating system level guidance from Pitney Bowes.

IBM® i

This section explains platform-specific changes for the IBM® i platform.

Note: Before you update to Release 8.3.5, we recommend that you backup your Group 1 Functions Library, MailStream Plus™ product library, and job files in your work library. The forwarding program will delete and replace the obsolete parameters for you. The files are named PRMMSjobid, where jobid is the name of the job on the Work With Jobs screen. **Once your jobs are forwarded, your jobs will no longer work in prior releases of MailStream Plus™.**

MailStream Plus™ Release 8.3.3 jobs will automatically forward to the Release 8.3.5 format. The forwarding program will delete old/obsolete parameters and parameter sub keywords. The forwarding program does not add new parameters and sub keywords, since some may be optional. Be sure to update your jobs accordingly after forwarding.

We have updated Postal Reference File delivery and installation on the IBM® i platform

Please see the *MailStream Plus™ Guide for All Platforms*, Release 8.3.5, for more information.

UNIX®/Linux™

Script changes

lvp.job

- Added DD statement to support creation of the Referenceable Mail Record (RMR) file:

```
DD_MSMDRMR="${PBMSPP}/data/${PBMDPC}${PBMDFS}.rmr"; export DD_MSMDRMR
```

- Added DD statement to support creation of the Referenceable Mail Summary Record (RMS) file:

```
DD_MSMDRMS="${PBMSPP}/data/${PBMDPC}${PBMDFS}.rms"; export DD_MSMDRMS
```

- Added DD statement to support the new Informed Delivery campaign File:

```
DD_MSIDCMI="${PBMSPP}/data/${PBJOB}.idc"; export DD_MSIDCMI
```

msdr00

- Added DD statement for RMR File MSMDRMR:

```
DD_MSMDRMR=$MSPFOLDER/$PBJOB/$PBMDPC$PBMDFS.rmr; export DD_MSMDRMR
```

- Added DD statement for RMS File MSMDRMS:

```
DD_MSMDRMS=$MSPFOLDER/$PBJOB/$PBMDPC$PBMDFS.rms; export DD_MSMDRMS
```

- Added DD for Informed Delivery campaign file MSIDCMI:

```
DD_MSIDCMI=$MSPIDCMI; export DD_MSIDCMI
```

- Modified script to accept the Informed Delivery campaign file as an argument

unset DDs

Added the these DD statements to the list of files to "unset:"

- DD_MSMDRMR
- DD_MSMDRMS
- DD_MSIDCMI

Other additions and changes

- Updated `ivp.prm` file, POSTMK parameter - *POSTMK 336 363 373 376 383
- Added an example that uses the Informed Delivery campaign file for the `sample_call_msdr00` script
- Added sample Informed Delivery campaign file to the Data folder: `ivp-id.idc`
- Added sample Informed Delivery parameter file to Data folder: `ivp-id.prm`
- Added sample Informed Delivery job script to Bin folder: `ivp.id.job`

Windows®

When installing software on Windows® Server 2012 or later, ensure that the file system supports the 8.3 naming convention, as outlined in the article *Resolving errors when product folders or program files cannot be found* on our [support site](#). If you have not installed MailStream Plus™ on Windows® previously, review this article before installing your software.

Script changes

IVP.BAT

- Added DD statement to support creation of the Referenceable Mail Record (RMR) file:

```
SET DD_MSMDRMR=%PBMSPDOCS%\data\%PBMDPC%%PBMDFS%.RMR
```

- Added DD to support creation of the Referenceable Mail Summary record (RMS) file:

```
SET DD_MSMDRMS=%PBMSPDOCS%\data\%PBMDPC%%PBMDFS%.RMS
```

- Added a DD statement to support the new Informed Delivery campaign file:


```
SET DD_MSIDDCMI=%PBMSPDOCS%\data\%PBJOB%.IDC
```

- Added DD statements to the "clean up" section to unset the new files:

```
SET DD_MSMDRMR=  
SET DD_MSMDRMS=  
SET DD_MSIDDCMI=
```

MSDR00.BAT

- Added a DD statement to support creation of the Referenceable Mail Record (RMR) file:

```
SET DD_MSMDRMR=%MSPFOLDER%\%PBJOB%\%PBMDPC%%PBMDFS%.RMR
```

- Added DD to support creation of the Referenceable Mail Summary record (RMS) file:

```
SET DD_MSMDRMS=%MSPFOLDER%\%PBJOB%\%PBMDPC%%PBMDFS%.RMS
```

- Added a DD statement to support the new Informed Delivery campaign file:

```
SET DD_MSIDDCMI=%MSPIDDCMI%
```

- Added DD statements to the "clean up" section to unset the new files:

```
SET DD_MSMDRMR=  
SET DD_MSMDRMS=  
SET DD_MSIDDCMI=
```

- Changed script to accept the Informed Delivery campaign file as an argument.

Other additions and changes

- Updated IVP.PRM file to include changes to the POSTMK parameter: *POSTMK 336 363 373 376 383
- Added sample Informed Delivery campaign file to the Data folder: IVP-ID.IDC
- Added sample Informed Delivery parameter file to the Data folder: IVP-ID.PRM
- Added sample Informed Delivery job script to the Bin folder: IVP-ID.BAT
- Added an example that uses Informed Delivery campaign file for the sample_call_msdr00 script



IVPFILE JCL changes

POSTMK parameter update

Changed POSTMK as it appears in the IVPFILE:

```
*POSTMK 336 363 373 376 383
```

DD statements

- Added statements to STEP1OF4 to delete the new files that were added:

```
DELETE yourhlq.MSP.mdlc####.RMR PURGE
DELETE yourhlq.MSP.mdlc####.RMS PURGE
```

- Added DD statement to support the new Informed Delivery campaign file in STEP4OF4:

```
//*MSIDCMI DD DSN=yourhlq.MSP.MSIDCMI,DISP=SHR
```

- Added DD statements to JCL to support the new Mail.dat[®] files Referenceable Mail Record and Referenceable Mail Summary Record in STEP4OF4:

```
//MSMDRMR DD UNIT=SYSDA,DISP=(NEW,CATLG,DELETE),
//          SPACE=(TRK,(100,150),RLSE),VOL=SER=volume,
//          RECFM=VB,
//          DSN=yourhlq.MSP.mdlc####.RMR
//MSMDRMS DD UNIT=SYSDA,DISP=(NEW,CATLG,DELETE),
//          SPACE=(TRK,(100,150),RLSE),VOL=SER=volume,
//          RECFM=VB,
//          DSN=yourhlq.MSP.mdlc####.RMS
```

- Changed the MSWKNRC DD statement to increase the record length from 700 to 970 in STEP4OF4:

```
//MSWKNRC DD UNIT=SYSDA,DISP=(,CATLG,DELETE),
//          SPACE=(CYL,(50,50),RLSE),
//          DSN=yourhlq.MSP.MSWKNRC,
//          DSORG=PS,RECFM=FB,LRECL=970,BLKSIZE=0
```

LNKBATCH JCL changes

Added program MSXXID00 to list of programs to be linked.

```
//MSXXID00 EXEC LINKMSN,PROGRAM=MSXXID00
```

MSPALOCF JCL changes

Updated space use for the Zone Matrix file:

```
//USPSRFZM DD DSN=yourhlq.MSP.PSTEMP.USPSRFZM,DISP=(NEW,CATLG),  
//          UNIT=SYSDA,VOL=SER=volume,  
//          DCB=(RECFM=FB,LRECL=2014,BLKSIZE=22154,DSORG=PS),  
//          SPACE=(CYL,(10,1))
```

MSPDBIND JCL changes

Updated space allocation for the Zone Matrix file:

```
DEFINE CLUSTER  
    (NAME                (yourhlq.MSP.USPSRFZM)           -  
    RECORDSIZE          (2014 2014)                       -  
    BUFFERSPACE         (81920)                           -  
    SPEED               -                                 -  
    KEYS                (14 0)                            -  
    UNIQUE              -                                 -  
    SPANNED             -                                 -  
    INDEXED             -                                 -  
    )                   -  
DATA  
    (NAME                (yourhlq.MSP.USPSRFZM.DATA)      -  
    VOL                  (volume)                          -  
    CYLINDERS            (10 1)                            -  
    CONTROLINTERVALSIZE (6144)                            -  
    )                   -  
INDEX  
    (NAME                (yourhlq.MSP.USPSRFZM.INDEX)     -  
    VOL                  (volume)                          -  
    CYLINDERS            (5 1)                            -  
    CONTROLINTERVALSIZE (1024)                            -  
    )                   -
```

MSPDBINS JCL changes

Updated space allocation for the Zone Matrix file:

```
DEFINE CLUSTER
    (NAME                (yourhlq.MSP.USPSRFZM)           -
    RECORDSIZE           (2014 2014)                     -
    BUFFERSPACE          (81920)                          -
    SPEED                -                               -
    KEYS                 (14 0)                           -
    UNIQUE               -                               -
    SPANNED              -                               -
    INDEXED              -                               -
    )                                                         -
DATA
    (NAME                (yourhlq.MSP.USPSRFZM.DATA)     -
    VOL                  (volume)                         -
    CYLINDERS            (10 1)                           -
    CONTROLINTERVALSIZE (6144)                            -
    )                                                         -
INDEX
    (NAME                (yourhlq.MSP.USPSRFZM.INDEX)    -
    VOL                  (volume)                         -
    CYLINDERS            (5 1)                            -
    CONTROLINTERVALSIZE (1024)                            -
    )
```



3001 Summer Street
Stamford CT 06926-0700
USA

www.pitneybowes.com