Partnership in Tomorrow Meeting Minutes
CASS™ MASS™
Cycle O 2020, May 31, 2018

The Partnership in Tomorrow Meeting was hosted as a webinar on Thursday, May 31, 2018, by the National Customer Support Center in Memphis, TN with an audience of participants that included CASS developers, CASS integrators, and MASS manufacturers.

These minutes are a record of the discussion held during the webinar and feedback and comments submitted by the audience.

Cycle O Requirements

Table of Contents

Review of CASS™ MASS™ Cycle N

CASS Cycle N certification has been extended through July 31, 2020.

The conversion from SHA 1 to SHA 256 was completed on July 31, 2017. SHA 256 static test data was provided via EPF to all CASS developers. CASS developers were responsible for distributing the static data to their customers and notifying them to use it for CASS and MASS testing.

The DirectDPV product was retired in November 2016.

PO Box Street Addressing (PBSA) identified with carrier routes C770-C779 were added to the CMRA table.

New DPV® and DSF$^{2®}$ tables – Door Not Accessible (DNA), No Secure Location (NSL), Non Delivery Days (NDD) and No-Stat Reason (NSR) were added to the hash products. Also, the Throwback table was added to DPV. All DPV tables will be tested in CASS Cycle O.

The CASS Summary Report (PS Form 3553) was revised to remove references to the DirectDPV product and to revise language used to describe the LACS$^{Link®}$ product in September 2017. Software developers must update the form generated by their application by September 2018.

The revised PS Form 3553 is available at http://about.usps.com/forms/ps3553.pdf.

CASS Cycle O

P. O. Box™ Only Delivery Zones

USPS® has deployed an additional value in the City/State product to flag P.O. Box Only Delivery Zones.

The file layout utilizes "P" as the Copyright Detail Code which is different from the existing ZIP Classification code "P" located in the City/State Detail record that indicates where a ZIP Code has other forms of postal delivery, other than PO Box, that is provided to the community.

- A PO Box only flag will be added to CASS Testing. Software must return a 'Y' in this field when a record is in PO BOX only Deliver Zone.

- Online software may use the PO Box only Delivery Zone Flag as a way to prompt customers for their mailing address when the address provided was not a PO Box address.

The PO Box Only Delivery Zones have no other form of postal delivery other than PO Box deliveries.

5-Digit Validation

5-digit validation applies to **No Match** ZIP + 4 records.

CASS software must validate the city, state, and ZIP Code™.

Current *DMM*® rules state that the street, city, state and ZIP Code must all correspond to be considered a valid ZIP Code for the purpose of presort and automation discounts.

If the output City, Sate, and ZIP Code correspond, it can be counted on the 3553.

A new flag will be populated in the CASS test file to determine if the 5-digit is counted on the 3553.

Y = ZIP Code validates for city and state. Increment the total 5-digit Coded on the 3553

N = ZIP Code not valid for the city and state. Do not increment the total 5-digit Coded on the 3553

Blank = No ZIP Code Returned. Do not increment the total 5-digit Coded on 3553

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5-Digit ZIP Code™ Validation

Detail Code	ZIP Code	City	State	Finance Number
D	38922	COFFEEVILLE	MS	271599
D	38953	SCOBEY	MS	277254

Input: 7 THOMAS ST
             COFFEEVILLE MS 38953 *(NO MATCH RECORD)*

Output 1:   7 THOMAS ST
             COFFEEVILLE MS 38953

Output 2:   7 THOMAS ST
             COFFEEVILLE MS 38922 *(OPTIONAL OUTPUT)*

Form 3553:   N for Output 1   Y for Output 2
5-Digit Coded

Coffeeville is a Single ZIP Code City. CASS Software would be allowed to return the ZIP Code for Coffeeville MS even though this is a No Match.   12

UNITED STATES POSTAL SERVICE® — CASS™ / MASS™ Cycle O

5-Digit ZIP Code™ Validation

Detail Code	ZIP Code	City	State	Finance Number
D	38922	COFFEEVILLE	MS	271599

Input: 7 THOMAS ST
COFFEEVILLE MS (NO MATCH RECORD)

Output 1:   7 THOMAS ST
COFFEEVILLE MS

Output 2:   7 THOMAS ST
COFFEEVILE MS 38922 (OPTIONAL OUTPUT)

Form 3553: N (if Option 1)   Y (if Option 2)
5-Digit Coded

Coffeeville is a Single ZIP Code City. CASS Software would be allowed to return the ZIP Code for Coffeeville MS even though this is a No Match.

13

UNITED STATES POSTAL SERVICE® — CASS™ / MASS™ Cycle O

5-Digit ZIP Code™ Validation

Detail Code	ZIP Code	City	State	Finance Number
D	38922	COFFEEVILLE	MS	271599

Input: 7 THOMAS ST
XANADU MS 38922 (NO MATCH RECORD)

Output 1:   7 THOMAS ST
XANADU MS 38922

Form 3553: N
5-Digit Coded

Coffeeville is a Single ZIP Code City. CASS Software would be allowed to return the input ZIP Code even though this is a No Match.

14

5-Digit ZIP Code™ Validation

Detail Code	ZIP Code	City	State	Finance Number

Input: PO BOX 171
            XANADU MS 38999

(38999 is not found in the City State File & City invalid or missing)

Output: PO BOX 171
            XANADU MS 38999

Form 3553:   N
5-Digit Coded

Return the input ZIP Code since the Input City State is not valid. Do not Count on PS Form 3553 since the ZIP Code does not exist in the City State File (or has been dropped).

15

DPV Codes Redefined and New

After much feedback concerning the DPV Codes, we have decided to leave the original DPV Codes as is and add a new **Extended DPV Code** field for those who want more information in a single field. The original DPV Code meanings have been updated for clarity.

DPV Codes

DPV	Current Definition	New Definition
"Y"	Address was DPV confirmed for both primary and (if present) secondary numbers	No Change
"D"	Address was DPV confirmed for the primary number only, and the secondary number information was missing	Address was DPV confirmed for the primary number only, and the secondary number information was missing *but required*
"S"	Address was DPV confirmed for the primary number only, and the secondary number information was present but not confirmed	Address was DPV confirmed for the primary number only, and the secondary number information was present *but invalid, or the primary number was matched by dropping a trailing alpha*
"N"	Both primary and (if present) secondary number information failed to DPV confirm	Address failed to DPV confirm, *primary number missing or invalid*
Blank	Address not presented to hash table	Address not presented to *DPV*

25

Extended DPV Codes

Extended DPV Code	Definition
"Y"	Address was DPV confirmed for both primary and (if present) secondary numbers
"D"	Address was DPV confirmed for the primary number only, and the secondary number information was missing **but required**
"S"	Address was DPV confirmed for the primary number only, and the secondary number information was present **but invalid (valid secondary information required)**
"P"	Address was DPV confirmed for the primary number only, and the secondary number information **was present but not required**
"R"	Address confirmed but USPS delivery not provided
"T"	Address was DPV confirmed for the primary number only by dropping the trailing alpha
"N"	Address failed to DPV confirm, **primary number missing or invalid**
Blank	Address not presented to **DPV**

DPV Footnotes

New footnotes have been added to denote a trailing alpha was dropped to match the primary number, PBSA match and match to R777 records.

CASS™ / MASS™ Cycle O

DPV Footnotes Redefined & New

DPV	Current Definition	New Definition
"CC"	Input Address Primary Number Matched to DPV but Secondary not Matched (present but invalid)	Input Address Primary Number Matched to DPV but Secondary not Matched *(extraneous information)*
"N1"	Input Address Primary Number Matched to DPV but Address Missing Secondary Number	Input Address Primary Number Matched to DPV but Address Missing *valid* Secondary Number
"TA"	N/A	Input Address Primary Number Matched to DPV by dropping trailing alpha
"PB"		Input Address matched to a PBSA Record (Carrier Route C770 through C779)
"R7"		Input Address matched to record in Carrier Route R777

26

NOTE: Both the original and Extended DPV Codes as well as all footnotes will be added to the CASS test and must be provided to customers upon request. A new field will be defined in the CASS test for the **Extended DPV Code**. Also, the DPV footnotes field will be increased from 3 entries to 5 (a total of 10 bytes). We will provide the new CASS file layout no later than the release of the Stage I file.

DPV – new tables

Several tables have been added to the DPV hash files. For CASS Cycle O, these values will also be included in the Flat versions of DPV/DSF2.

DNA – Door Not Accessible

NSL – No Secure Location

NDD – Non Delivery Days

DPV & DSF2 Flags

NDD = Non-Delivery Days

- Mail delivery is not performed every day of the week:
  - Business closed on Saturday & does not want mail delivered.
  - Delivery Route runs Monday, Wednesday, Friday only
- Seven (7) fields representing Delivery Days are included for each address on the table.
- Software must return a "Y" for each day that represents the day(s) that do not receive delivery when the address is found on the table.

Throwback

Mail is addressed to a normally deliverable address and the customer elects to have to mail delivered to an alternate address.

No Delivery Type

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No Delivery Type Table

A new table is being added to DPV. This will return a 'Y' if a delivery type is not present for this address. It will not return the associated delivery type (as DSF$^{2®}$ does) but will allow the user to know if a delivery type exists or not for the address. This will provide information necessary to correctly set the DPV footnote flags.

23

No-State Reason Code Table

DPV & DSF2 Flags

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NO-STAT REASON CODE TABLE

- USPS Mail delivery is not provided

Code	Reason	Description
01	IDA	Internal Drop Address. These are addresses that do not receive mail delivery directly from the USPS, but are delivered to a drop address that services them.
02	CDS	The delivery is new construction and delivery has not been established or on a Rural/CDS/HCR where the delivery point is unoccupied for more than 90 days.
03	Collision	These addresses do not actually DPV confirm. In this case, the 'Y' should be set to an 'N' on the DPV 'A' table and all other table values should be blank.
04	CMZ	College/Military Zone, & Other types. These are ZIP + 4® records USPS has incorporated into the data.
05	Regular No Stat	The address is no longer a possible delivery, the address is on an R777 route, or the PO Box has never been rented or has been declared un-rentable.

67

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No-Stat Reason Code Table

- **New Rule**

  A value of 3 indicates a collision. The address did not DPV confirm. DPV Confirmation must be set to 'N'.

  - Included in the April, 2018 product for Full and Split customers.
  - 'Y' on the DPV/DSF2 No-Stat table indicates a need to query this table for the reason detail

Due to the changing nature of the data, we cannot currently provide an example that will be consistent month after month. However, when we create the static data for CASS Cycle O, we will provide them.

22

Examples for DPV Codes, Extended DPV Codes, and Footnotes

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DPV – Secondary Missing, Required (highrise)

Source	Rec Type	Prim Range	Street Indicia	UNIT	Sec Range	ZIP Code	ZIP + 4 Range	CRID	Delv Type
DPF	S	144	AUTUMN ST			01001	2804	C001	
ZIP+4	H	144	AUTUMN ST			01001	2890	C001	N/A
ZIP+4	H	144	AUTUMN ST	APT	A – J	01001	2850	C001	N/A

Input: 144 AUTUMN ST
                AGAWAM MA 01001

Output: 144 AUTUMN ST
                AGAWAM MA 01001-2890

	Current	New
DPV Code:	D	D
Extended DPV Code:	N/A	D
DPV No Delivery Type:	N/A	Y
DPV Footnotes:	AAN1	AAN1

NOTE: No change to current rule for highrise default with no delivery type.

27

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DPV – Secondary Missing, Required (Street)

Source	Rec Type	Prim Range	Street Indicia	UNIT	Sec Range	ZIP Code	ZIP + 4 Range	CRID	Delv Type
Generated	S	292	S MILL ST			38001	1910	C001	
DPF	S	292	S MILL ST	APT	A	38001	1910	C001	Curb
DPF	S	292	S MILL ST	APT	B	38001	1910	C001	Curb

Input: 292 S MILL ST
                     ALAMO TN 38001

Output: 292 S MILL ST
                     ALAMO TN 38001-1910

                     Current   New

DPV Code: Y   D

Extended DPV Code: N/A   D

DPV No Delivery Type: N/A   Y

DPV Footnotes: AABB   AAN1

NOTE: 292 S MILL ST (without secondary) does not exist as a delivery but is generated to enhance matching and, therefore, does not contain a delivery type.

28

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DPV – Invalid Secondary, Not Required

Source	Rec Type	Prim Range	Street Indicia	UNIT	Sec Range	ZIP Code	ZIP + 4 Range	CRID	Delv Type
DPF	S	7	NORTHERN BLVD			03031	2313	R001	Other
ZIP+4	S	1 – 99	NORTHERN BLVD			03031	2313	R001	N/A

Input: 7 NORTHERN BLVD APT 1
                     AMHERST NH 03031

Output: 7 NORTHERN BLVD APT 1
                     AMHERST NH 03031-2313

                     Current   New

DPV Code: S   S

Extended DPV Code: N/A   P

DPV No Delivery Type: N/A   N

DPV Footnotes: AACC   AACC

29

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DPV – Invalid Secondary, Required

Source	Rec Type	Prim Range	Street Indicia	UNIT	Sec Range	ZIP Code	ZIP + 4 Range	CRID	Delv Type
Generated	S	736	E 82ND ST			90001	3222	C012	
DPF	S	736	E 82ND ST	APT	1	90001	3222	C012	Other
DPF	S	736	E 82ND ST	APT	2	90001	3222	C012	Other

Input: 736 E 82ND ST APT 3
        LOS ANGELES CA 90001

Output: 736 E 82ND ST APT 3
        LOS ANGELES CA 90001-3222

	Current	New
DPV Code:	S	S
Extended DPV Code:	N/A	S
DPV No Delivery Type:	N/A	Y
DPV Footnotes:	AACC	AAN1

NOTE: 292 S MILL ST (without secondary) does not exist as a delivery but is generated to enhance matching and, therefore, does not contain a delivery type.

30

R777 Definition/Clarification

Physical addresses that are assigned to a phantom route of R777 are **not** eligible for street delivery.

- Flagged as a No-Stat record
- The ZIP + 4 cannot be returned by CASS software
- Cannot be counted on the 3553 as a ZIP + 4 coded record
- The ZIP + 4 should not be printed on the mailpiece

A new Extended DPV code of "R" and footnote of **"R7"** was created to identify these records. This footnote **must** be returned when the address matches a carrier route of R777 to indicate that the address is not expected to be delivered by the Postal Service.

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R777 Phantom Route Matching

Rec Type	Prim Range	Street Indicia	Unit	Sec Nbr	ZIP Code	ZIP + 4 Range	CRID
S	40 – 40	FLETCHER DR			38578	3001	R777

Input: 40 FLETCHER DR
PLEASANT HILL TN 38578

Output: 40 FLETCHER DR
PLEASANT HILL TN 38578

DPV Code: Y

Extended DPV Code: R

DPV Footnotes: AABB*R7*

Form 3553: N
ZIP+4/DPV Confirmed

35

When primary numbers aren't valid in a range of R777 addresses, return the DPV return code and footnotes for records that don't confirm.

R777 Phantom Route Matching

Source	Rec Type	Prim Range	Street Indicia	Unit	Sec Nbr	ZIP Code	ZIP + 4 Range	CRID	Delv Type
DPF	S	312	HOPSON ST			38645	9609	R777	Other
ZIP+4	S	300 – 398	HOPSON ST			38645	9609	R777	

Input:	314 S HOPSON ST LYON MS 38645
Output:	314 S HOPSON ST LYON MS 38645
DPV Code:	N
Extended DPV Code:	N
DPV Footnotes:	AAM3
Form 3553: ZIP+4/DPV Confirmed	N

The primary number 314 does not exist for S HOPSON ST.

36

PBSA Identifier

The industry communicated a specific need to identify PO Box Street Address (PBSA) records. These records were added to the CMRA table and later a PBSA table was added.

PBSA records will be removed from the CMRA table.

The PBSA table should be queried when an address is DPV confirmed.

A new DPV footnote of **"PB"** was created to identify PBSA records and must be returned when the address is found in the PBSA table.

PBSA addresses can be identified by one of the following methods:

- The unique carrier route numbers of C770 – C779
- Interrogate the PBSA table
- The DPV footnote code "PB".

All PBSA addresses have a record type of "H" – high-rise style address.

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PBSA Identifier

When a PBSA is presented to CASS software with a pound sign (#) designator the "#" must be returned on output.

Rec Type	Prim Range	Street Indicia	Unit	Sec Range	ZIP Code	ZIP + 4 Range	CRID
H	555 - 555	S B B KING BLVD	UNIT	1-25	38101	0387	C770

Input: 555 S B B KING BLVD # 18
                      MEMPHIS TN 38101

Output: 555 S B B KING BLVD # 18
                      MEMPHIS TN 38101-0387

DPV Code: Y

Extended DPV Code: Y

PBSA Table: Y

DPV Footnotes: AABBPB

39

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PBSA Identifier

When a PBSA is presented with any secondary designator other than "#" CASS software must return the designator as it is on the ZIP+4 file.

Rec Type	Prim Range	Street Indicia	Unit	Sec Range	ZIP Code	ZIP + 4 Range	CRID
H	555 - 555	S B B KING BLVD	UNIT	1-25	38101	0387	C770

Input: 555 S B B KING BLVD STE 18
                      MEMPHIS TN 38101

Output: 555 S B B KING BLVD UNIT 18
                      MEMPHIS TN 38101-0387

DPV Code: Y

Extended DPV Code: Y

PBSA Table: Y

DPV Footnotes: AABBPB

40

CMRA/PMB DPV® Confirmation Flag

When the input address record contains "PMB", the PMB number must be ignored for DPV confirmation.

When an address with a pound sign (#) is matched to a CMRA, the pound sign (#) must be returned on the output record.

When a pound sign (#) and secondary number are present in the returned ZIP + 4® address, the secondary number does not DPV confirm, and the primary number (and/or other secondary number) confirms as a CMRA, the pound sign (#) on the secondary information **mus**t be converted to PMB. It is only relevant if the primary address is coded as a CMRA.

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CMRA/PMB DPV® Confirmation

When a confirmed CMRA address record contains two (2) distinct secondary values presented with "#" and neither ZIP+4/DPV confirms, retain "#" sign.

Rec Type	Prim Range	Street Indicia	Unit	Sec Nbr	ZIP Code	ZIP + 4 Range	CRID	CMRA
S	800-820	VILLAGE WALK			06437	2762	C007	Y

Input:	800 VILLAGE WALK # 1 # 101 Guilford CT 06437
Output:	800 VILLAGE WALK *# 1 # 101* GUILFORD CT 06437-2762
DPV Code:	Y
Extended DPV Code:	Y
CMRA Table:	Y
DPV Footnotes:	AACC*R1*

42

When a confirmed CMRA address record containing two (2) distinct secondary information values and neither number ZIP + 4/DPV confirms, assign PMB to the secondary number value farthest away from the primary delivery address.

CMRA/PMB DPV® Confirmation

When a confirmed CMRA address record contains two (2) distinct secondary values with invalid designator(s) and neither ZIP+4/DPV confirms, assign PMB to invalid* designator.

Rec Type	Prim Range	Street Indicia	Unit	Sec Nbr	ZIP Code	ZIP + 4 Range	CRID	CMRA
S	800-820	VILLAGE WALK			06437	2762	C007	Y

Input:	800 VILLAGE WALK # 1 STE 101 Guilford CT 06437
Output:	800 VILLAGE WALK *# 1 PMB 101* GUILFORD CT 06437-2762
DPV:	Y
Extended DPV Code:	Y
CMRA Table:	Y
DPV Footnotes:	AACC*RR*

* Return "#" only when it is part of the input address. Otherwise software must return PMB.   43

Rec Type	Prim Range	Street Indicia	Unit	Sec Nbr	ZIP Code	ZIP + 4 Range	CRID	CMRA
S	95-149	HIGHLAND ST			38111	4640	C074	Y

Input:	111 Highland St Unit 2 Ste 1 Memphis TN 38111
Output:	111 HIGHLAND ST *PMB 2 PMB 1* MEMPHIS TN 38111- 4640
DPV Code:	Y
Extended DPV Code:	Y
CMRA Table:	Y
DPV Footnotes:	AABB*RR*

* Return "#" only when it is part of the input address. Otherwise software must return PMB.   44

Single Trailing Alpha on Primary Number

Current Rule

When a primary number is numeric with a Single Trailing Alpha Exception (**no secondary present on input**) DPV confirmation is performed using the primary number as returned from the ZIP + 4 match. If the primary number does not confirm with the Single Trailing Alpha, software returns the input or normalized output and must return and "N" for DPV confirmation.

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Single Trailing Alpha

Source	Rec Type	Prim Range	Street Indicia	Unit	Sec Range	ZIP Code	ZIP + 4 Range	CRID	Delv Type
DPF	S	341	JAMES AVE			38019	3328	C003	Curb
ZIP+4	S	301 - 399	JAMES AVE			38019	3328	C003	

Current Rule

Input:	341A JAMES AVE COVINGTON TN 38019
Primary Number:	341A
Secondary Number:	SPACES
DPV Code:	N
Output:	341A JAMES AVE COVINGTON TN 38019

NOTE: 341 is not a valid primary number for JAMES AVE

49

Updated Rule

When a primary number is numeric with a Single Trailing Alpha Exception (with no secondary present on input) and it does not DPV confirm as returned from the ZIP +4 match, the Single Trailing Alpha should be dropped for DPV confirmation.

If the primary number DPV confirms, software must return the new return code "T" and footnote "TA".

Single Trailing Alpha

	Current Rule	New Rule
Input:	341A JAMES AVE COVINGTON TN 38019	341A JAMES AVE COVINGTON TN 38019
DPV Code: (w/alpha)	N	N *(Try w/o trailing alpha)*
DPV Code: (w/o alpha)	N/A	S (Footnotes AATA)
Extended DPV Code:	N/A	T (Footnotes AATA)
Output:	341A JAMES AVE COVINGTON TN 38019	341A JAMES AVE COVINGTON TN 38019-3328

Output address must be what was returned from the ZIP+4 Lookup (not what was used in DPV lookup).

(not allowed)
341 JAMES AVE # A
COVINGTON TN 38019-3328

52

Single Trailing Alpha

Source	Rec Type	Prim Range	Street Indicia	Unit	Sec Nbr	ZIP Code	ZIP + 4 Range	CRID
ZIP+4	S	13430A – 13432A	35th AVE			11354	2842	C015

Valid single trailing alpha primary number - Not an alpha exception* on the match. The primary number of 13430A matched a pattern on ZIP+4 data.

	Current Rule	New Rule
Input:	13430A 35TH AVE FLUSHING NY 11354	13430A 35th Ave Flushing NY 11354
DPV Code:	N	N (Do not query DPV w/o trailing alpha)
Extended DPV Code:	N/A	N
Output:	13430A 35TH AVE FLUSHING NY 11354	13430A 35th Ave Flushing NY 11354

* The Alpha was used to make the match to ZIP+4.

53

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Single Trailing Alpha

Source	Rec Type	Prim Range	Street Indicia	Unit	Sec Nbr	ZIP Code	ZIP + 4 Range	CRID
ZIP+4	S	301 - 305	ASH AVE			26301	4030	C024

	Current Rule	**New Rule**
Input:	*301C* ASH AVE *STE 1* CLARKSBURG WV 26301	*301C* ASH AVE *STE 1* CLARKSBURG WV 26301
Primary:	*301C*	*301C*
Secondary:	*1*	*1*
DPV Code:	N *(Query includes prim and sec)*	N *(Query includes prim and sec)*
DPV Code:	N *(Query includes prim 301C only)*	N *(Query includes prim 301C only)*
Output:	301C ASH AVE *STE 1* CLARKSBURG WV 26301	*301C* ASH AVE *STE 1* CLARKSBURG WV 26301

Output address returns results from the ZIP+4 Lookup (retains invalid secondary and trailing alpha presented).

NOTE: The Extended DPV Code would be the same in all cases.

54

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DPV – Trailing alpha, secondary required

Source	Rec Type	Prim Range	Street Indicia	UNIT	Sec Range	ZIP Code	ZIP + 4 Range	CRID	Delv Type
Generated	S	292	S MILL ST			38001	1910	C001	
DPF	S	292	S MILL ST	APT	A	38001	1910	C001	Curb
DPF	S	292	S MILL ST	APT	B	38001	1910	C001	Curb
ZIP+4	S	200 – 304	S MILL ST			38001	1910	C001	

Input:	292C S MILL ST ALAMO TN 38001
Output:	292C S MILL ST ALAMO TN 38001-1910

	Current	New
DPV Code:	Y	D
Extended DPV Code:	N/A	T
DPV No Delivery Type:	N/A	Y
DPV Footnotes:	AABB	AAN1TA

NOTE: 292 S MILL ST (without secondary) does not exist as a delivery but is generated to enhance matching and, therefore, does not contain a delivery type.

31

DPV – Trailing alpha, secondary not required

Source	Rec Type	Prim Range	Street Indicia	UNIT	Sec Range	ZIP Code	ZIP + 4 Range	CRID	Delv Type
DPF	S	1 – 99	NORTHERN BLVD			03031	2313	R001	Other
ZIP+4	S	1 – 99	NORTHERN BLVD			03031	2313	R001	N/A

Input: 7A NORTHERN BLVD
         AMHERST NH 03031

Output: 7A NORTHERN BLVD
         AMHERST NH 03031-2313

	Current	New
DPV Code:	S	S
Extended DPV Code:	N/A	T
DPV No Delivery Type:	N/A	N
DPV Footnotes:	AACC	AATA

32

NOTE: This new rule only applies to street style records and does not change ZIP+4 matching rules.

Single Trailing Alpha

Source	Rec Type	Prim Range	Street Indicia	ZIP Code	ZIP + 4 Range	CRID
ZIP+4	P	1 – 16	PO BOX	38101	0001 – 0016	B001

Input: PO BOX 1A
                        MEMPHIS TN 38101

Primary Number: 1A

DPV Code: N

Extended DPV Code: N

Output: PO BOX 1A
                        MEMPHIS TN 38101

NOTE: PO Box Addresses are not valid for single trailing alpha.

55

Deliverable Street/Highrise Default

Approximately 76,000 addresses have a valid delivery point at the primary number without the need of a secondary number because of the type of delivery. There are also highrise specific addresses at the same primary number.

Currently, an input address without secondary will match to the highrise default

We are modifying address matching logic to accommodate these street deliverable address record types.

When an input address without secondary information matches to a highrise default and DPV does not flag the default as a No-stat (DPV X = N), drop to the street level match and return the associated information.

This should not be done on addresses that match a highrise default when invalid secondary information is entered.

Suite^{Link} should be queried before making this check.

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Deliverable Street/Highrise Default

Source	Rec Type	Prim Number	Street Indicia	UNIT	Sec Range	ZIP Code	ZIP + 4 Range	CRID	No-Stat
DPF	S	150	PEABODY PL			38103	3720	C098	N
ZIP+4	H	150	PEABODY PL			38103	3700	C098	N/A
ZIP+4	H	150	PEABODY PL	STE	35-105	38103	3728	C098	N/A

	Current Rule	New Rule
Input:	150 PEABODY PL MEMPHIS TN 38103	150 PEABODY PL MEMPHIS TN 38103
Output:	150 PEABODY PL MEMPHIS TN 38103-3700	150 PEABODY PL MEMPHIS TN 38103-3720
Record Type:	H	S
DPV Code:	D	Y
DPV Footnotes:	AAN1	AABB
DPV No-Stat:	N	N

There are multiple highrise specific records for this primary number. The street record is a stat-ed record.

NOTE: The Extended DPV Code would be the same in all cases.

59

UNITED STATES POSTAL SERVICE®

CASS™ / MASS™ Cycle O

Deliverable Street/Highrise Default

Source	Rec Type	Prim Number	Street Indicia	UNIT	Sec Range	ZIP Code	ZIP + 4 Range	CRID	No-Stat
DPF	S	150	PEABODY PL			38103	3720	C098	N
ZIP+4	H	150	PEABODY PL			38103	3700	C098	N/A
ZIP+4	H	150	PEABODY PL	STE	35-105	38103	3728	C098	N/A

	Current Rule	New Rule
Input:	150 PEABODY PL STE A MEMPHIS TN 38103	150 PEABODY PL STE A MEMPHIS TN 38103
Output:	150 PEABODY PL STE A MEMPHIS TN 38103-3700	150 PEABODY PL STE A MEMPHIS TN 38103-3700
Record Type:	H	H
DPV Code:	S	S
Extended DPV Code:	N/A	P
DPV Footnotes:	AAN1	AACC
DPV No-Stat:	N	N

There are multiple highrise specific records for this primary number. There is no STE A. The street record is a no-stat record.

60

Suite^{Link}® - Minimum requirement and options for returning extraneous information

When a Suite^{Link} match is found, the address-matching software **must** insert the valid secondary information as a requirement for CASS certification. The Suite^{Link} secondary information must be appended to the delivery address and the 11-digit barcode **must** match the appended Suite^{Link} address.

The primary street address along with the Suite^{Link} result **must** be contiguous – this is a required output for CASS certification.

Optional formats in production product

Based on the input address, CASS software can return invalid extraneous information in several optional formats.

CASS™ / MASS™ Cycle O

Suite^Link® Requirements

Input has *invalid secondary*, required output for CASS certification - the primary street address along with the Suite^Link results must be contiguous.

Rec Type	DPV	Prim Number	Street Indicia	Unit	Sec Range	City	ZIP Code	Unique	ZIP+4 Range	CRID
H	Y	910	MADISON			MEMPHIS	38103	N	3403	C029
H	Y	910	MADISON	STE	823 – 826	MEMPHIS	38103	N	3435	C029

Input:	UT Animal Research 910 Madison Ave *Ste 9 (invalid secondary)* Memphis TN 38103	
Output 1:	UT ANIMAL RESEARCH STE 9 (or # 9) 910 MADISON AVE STE 823 MEMPHIS TN 38103-3435	Move Input Secondary to second address line
Output 2:	UT ANIMAL RESEARCH 910 MADISON AVE STE 823 STE 9 (or # 9) MEMPHIS TN 38103-3435	Append Input Secondary to end of address line
Output 3:	UT ANIMAL RESEARCH 910 MADISON AVE STE 823 # 9 MEMPHIS TN 38103-3435	Drop Input Secondary

53

We encourage mailers to append the secondary Suite^Link matched information to the mailpiece to help ensure the mail reaches the intended recipient. However, this is optional. The mailer can choose not to append the valid secondary information to the mailpiece. However, the 11-digit barcode must match the appended Suite^Link address.

Suite^Link – MLOCR

MLOCR software will have the option to print the Suite^Link number on the mailpiece.

Example:

910 MADISON AVE #823 38103

Example:

823

The barcode must reflect the Suite^Link matched address.

Q. Is the requirement for appending the Suite^Link secondary match only necessary for vendor certification? Can a user of our software choose not to include the Suite^Link secondary but still use the Suite^Link secondary ZIP+4 and qualify for CASS discounts?

A: The Suite^Link match is required to be returned in testing with the delivery point associated with the match. Only MASS will have the option of printing it.

The Suite$^{Link®}$ requirement to append the secondary output to an address was changed to allow the ZIP + 4$^®$ for the corrected address to be present in the barcode only.

Military Addressing

Two new military delivery types are being added to the postal database. These be in included in the new testing cycle.

UNITED STATES POSTAL SERVICE®

CASS™ / MASS™ Cycle O

Military Addressing

- CMR   Consolidated Mail Room
- PSC   Postal Service Center
- UNIT
- UMR   Unit Mail Room**
- OMC   Official Mail Center**   ** New Abbreviations

Destinations

- APO   Air/Army Post Office
- FPO   Fleet Post Office
- DPO   Diplomatic Post Office

- AA   Armed Forces, Central & South America
- AE   Armed Forces, Europe (Germany, Italy, etc.)
- AP   Armed Forces, Pacific (Korea, Japan)

58

UNITED STATES POSTAL SERVICE® — CASS™ / MASS™ Cycle O

New Military Addressing

Rec Type	Prim Range	Street Indicia	UNIT	Sec Range	ZIP Code	ZIP + 4 Range	CRID
S	1 – 99	UMR 6			09599	0001	C001

Input: UMR 6 BOX 1
          FPO AE 09599

Output: UMR 6 BOX 1
          FPO AE 09599-0001

DPV Code: Y

Extended DPV Code: Y

DPV FOOTNOTES: AAF1

72

UNITED STATES POSTAL SERVICE® — CASS™ / MASS™ Cycle O

New Military Addressing

Rec Type	Prim Range	Street Indicia	UNIT	Sec Range	ZIP Code	ZIP + 4 Range	CRID
S	1 – 99	OMC 8			09599	0002	C002

Input: OMC 8 BOX 1
          FPO AE 09599

Output: OMC 8 BOX 1
          FPO AE 09599-0002

DPV Code: Y

Extended DPV Code: Y

DPV FOOTNOTES: AAF1

73

Platform Testing

The term "platform" means any differently complied version (operating system) with the same configuration.

Multiple platforms with different configurations are subject to all testing fees.

Waivers will not be considered.

There will be a ten (10) business day turnaround period for each test submission.

Testing will include all existing logic and new Cycle O Requirements.

No changes to the required scores.

Fee Schedule

UNITED STATES POSTAL SERVICE®   **CASS™ / MASS™ Cycle O**

Current Fee Schedule*

Fee-Based Certification	MAY to JULY	AUG to DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	After JUL 31 for Current Cycle
CASS	$200	$200	$200	$500	$500	$600	$700	$800	$900	$1,000
MASS MFR (MLOCR)	-	$500	$500	$500	$500	$500	$500	$500	$1,000	$1,500
MASS End-Users (MLOCR)	-	-	-	-	$500	$500	$500	$500	$1,000	$1,500
MASS MFR (Encoder)	-	$300	$300	$300	$300	$300	$300	$300	$750	$1,000
MASS End-Users (Encoder)	-	-	-	-	$300	$300	$300	$300	$750	$1,000

* Prices effective January 2017. No change in January 2018, but are subject to change in the future.

74

Significant Milestones

UNITED STATES POSTAL SERVICE®   CASS™ / MASS™ Cycle O

Significant Milestones

Milestone	Date	
CASS Cycle "O" Pre-Meeting	January 23 2018	✓
Partnership In Tomorrow (PIT) Meeting	May 31 2018	✓
Review & Comments Deadline	June 29 2018	✓
Official Rules Release	July 31 2018	✓
Send Static Data	February 2019	
Stage I Release	March 2019	
Stage II Release	May 2019	
MASS Test Decks Available	August 2019	
CASS Developers Certification Completed	December 2019	
MASS Manufacturers Certification Completed	January 2020	
Software Released to End-users NLT	March 2020	
Expiration of CASS™ Cycle N	July 31 2020	
Implementation of CASS Cycle O	August 1 2020	

77