

DSF²® Layout C

Field Name	Length	Description - only fields requested will be added
zip4	4	ZIP + 4 Code. If input file has a 9 or 10 digit ZIP Code™ field, this data will be placed in that field
city13	13	Standardized 13-character city name as provided by USPS®.
urban	28	Urbanization (for Puerto Rican addresses)
dlvpnt	2	Delivery point
chkdgt	1	Legacy check digit
crrt	4	Carrier route code
lot	4	Line of Travel (LOT) number for carrier route mailings
lot_order	1	LOT ascending or descending sort flag
status	6	Status/error codes (See Appendix A)
zipflg	1	Information about ZIP Code 1 = ZIP Code not changed, address is in a valid range for input ZIP Code 2 = ZIP Code changed, address is in a valid range for new ZIP Code Blank = ZIP Code could not be validated
ews	1	EWS consists of records containing partial address information limited to the street name, pre- and post-directionals and a ZIP Code. For an address record to be EWS eligible, it must be an address not present on the most recent monthly production ZIP + 4 File. EWS flag Y = Matched to EWS file N = Not an EWS match
county	3	Three digit county code
addresstyp	1	Address match type: F = Company G = General delivery H = High-rise apartment or office building M = Military P = Post Office™ box R = Rural route or highway contract S = Street U = Unique Blank = Unassigned (not ZIP + 4 coded)
dpv_vacant	1	Vacant indicator Y = Location has been vacant for 90+ days N = Not a vacant address Blank = Record not presented for vacant match (not ZIP + 4 coded)
dpv_flag	1	Indicates whether or not a record matched to the DPV™ database Y = Delivery point validated; primary number valid and secondary number (when present) valid D = Valid primary number; input missing secondary number (primary for RR) S = Valid primary number; secondary number (primary for RR) present and not confirmed, or a single trailing alpha on a primary number was dropped to make a DPV match N = No delivery point validation Blank = Record not presented for DPV match (not ZIP + 4 coded)
dpv_cmra	1	Indicates whether or not the presented address is a Commercial Mail Receiving Agency (CMRA) Y = Address is a CMRA N = Address is not a CMRA Blank = Record not presented for CMRA match (not ZIP + 4 coded)

dpv_ftnts	12	DPV footnotes AA = Input address ZIP + 4 match A1 = Input address ZIP + 4 not matched BB = Input address DPV matched (all components) CC = Input address primary number DPV matched, secondary number not DPV matched, secondary number not required C1 = Input address primary number DPV matched, secondary number not DPV matched, secondary number required F1 = Input address matches a military address G1 = Input address matches a general delivery address IA = Informed address identified M1 = Input address primary number missing M3 = Input address primary number invalid N1 = Input address DPV primary number matched, secondary number missing, secondary number required NL = An NCOA ^{Link} move address cannot be DPV confirmed. A return code of NL means that the NCOA ^{Link} directory data does not exactly match the DPV directory data. This may happen because the NCOA ^{Link} directories are updated more frequently than the DPV directories. PB = Identified PO Box Street Address P1 = Input address missing PO, RR, or HC Box number P3 = Input address PO, RR, or HC Box number invalid RR = Input address DPV matched to CMRA R1 = Input address DPV matched to CMRA but PMB number not present R7 = Address assigned to phantom route R777 or R779 TA = Input address primary number DPV matched by dropping trailing alpha U1 = Input address matches a unique address
lac_rtncod	2	Post Office LACS ^{Link@} return codes A = LACS ^{Link} record match, and a converted address is provided in the address data fields. 00 = No match, and no converted address 09 = LACS ^{Link} matched an input address to an old address, which is a 'high-rise default' address, no new address is provided 14 = Found I ACS ^{Link} record but could not convert the data to a deliverable address 92 = LACS ^{Link} record matched after dropping the secondary number from input address Blank = Record not presented for LACS ^{Link} match
ste_rtncod	2	Post Office Suite ^{Link} return codes A = Suite ^{Link} record match, suite information is added to the address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match
dsf2wkseq	8	Walk sequence number
dsf2adrtyp	1	Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File
dsf2eduind	1	Educational indicator Y = Address is an educational institution N = Address is not an educational institution Blank = No lookup attempted
dsf2dlvtyp	1	Delivery type code 1 = Curb - A delivery point with a mail receptacle located at the curb 2 = NDCBU - A delivery point that is serviced by cluster boxes, also known as Neighborhood Delivery and Collection Box Units (NDCBU) assigned to a bank of boxes or floors 3 = Central - A delivery point within a building that has two or more ZIP + 4 codes 4 = Door slot - A delivery point not serviced by Curb, NDCBU or Central Blank = Non-match to Delivery Sequence File

dsf2season	1	Seasonal indicator Y = Seasonal address N = Not a seasonal address Blank = Record not presented for seasonal match (not ZIP + 4 coded)
dsf2thrwbk	1	Throwback indicator Y = PO Box Delivery. The address associated with this delivery point is a street address, however delivery is only made to the customer's PO Box address. DSF ² will not cross-reference the street address to the appropriate PO Box. The USPS may not deliver mail addressed for the street delivery point to the PO Box unless the PO Box is also included in the address. N = Not a throwback address Blank = Record not presented to Delivery Sequence File (not ZIP + 4 coded)
dsf2drpind	1	Delivery point drop indicator The delivery point drop indicator specifies whether or not a delivery point is a drop site. A drop is a single delivery point or receptacle that services multiple families and/or businesses. The site distributes mail for a drop site internally. Commercial mailbox companies or Commercial Mail Receiving Agencies (CMRA's) are also classified as drop sites because the carrier delivers the mail to one point, and the company distributes mail to specific boxes. Y = Delivery point is a drop N = Delivery point is not a drop Blank = Record not presented to Delivery Sequence File (not ZIP + 4 coded)
dsf2drpcnt	3	Number of Deliveries at the Drop
dsf2nostat	1	USPS No Stat indicator Y = Update may be needed within the USPS delivery database N = No update needed within the USPS delivery database Blank = Record not presented to Delivery Sequence File (not ZIP + 4 coded)
dsf2score	2	Mail Score 1 = Address matched to the DSF ² file 2 = Address marked as a seasonal address 3 = Primary address matched the DSF ² file. However, the secondary address did not match to the DSF ² file. This address may or may not be deliverable. 4 = Address did not match the DSF ² file. Primary information is missing or invalid and prevented a direct match to the DSF ² file. Record may be undeliverable. 5 = This score is not currently used 6 = Address marked as being vacant for 90 or more days. Address information is accurate but is undeliverable. 7 = Address fields may be incomplete or contain data that cannot match to the Delivery Sequence and ZIP + 4 files.
Telephone Data		
phone	10	Phone number
Optional Flags		
opt_flags	3	Optional return codes A = Advanced Address Correction U = Apartment/unit number corrected or appended B or P = Proprietary change of address
Suppression Flags		
supp_flags	10	Suppression & duplicate match flags A = Deceased B = DMA Do not mail C = Prison D = Duplicate record E = Keep record F = Non duplicate
Geocode Data		
latitude	10	Latitude (degrees north of the Equator) in the format "12.123456"
longitude	11	Longitude (degrees east of the Greenwich Meridian) in the format "-12.123456"
gc_tract	6	Census Tract. Statistical subdivision of a county or an equivalent area.
gc_blkgrp	1	Block Group - first digit of the Census Block. Statistical division of Census Tract.
gc_block	4	Census Block. Small area bounded by visible and/or invisible features.
gc_placecd	5	FIPS place code. Number assigned by the U. S. government to each incorporated municipality. This field is only returned with address level geocoding, and only populated for address level matches.

gc_mcd	6	Census Bureau minor civil division (MCD) data, or if MCD data is unavailable, census county division (CCD) data. This field is only returned with address level geocoding, and only populated for address level matches.
gc_level	1	Level of geocode match A = Address match 9 = 9-digit match in centroid 7 = 7-digit match in centroid 5 = 5-digit match in centroid 0 = No match found Blank = Address not presented for Geocode match

Appendix A

Status Codes	
A status code tells you how an address was corrected or standardized. The code contains six characters, and each character tells you something about how the record was changed.	
Code	Description
1st Character	
S	Input address was correct or standardized
2nd Character (address)	
N	No significant change to address
Y	Address changed
3rd Character (urbanization)	
N	No significant change to urbanization
Y	Urbanization changed
4th Character (city)	
N	No significant change to city
Y	City changed
5th Character (state)	
N	No significant change to state
Y	State changed
6th Character (ZIP/ZIP + 4)	
N	No significant change to ZIP
Y	ZIP changed
4	ZIP + 4 changed

Error Codes	
An error code tells you the address failed to validate against the official USPS data. The code indicates the reason the address is invalid or incomplete.	
Code	Description
E10	Unable to process due to insufficient data
E11	Invalid City, State and/or ZIP
E12	Foreign address
E19	Unhandled exception; contact support
E20	Unable to validate due to invalid, missing, insufficient, or conflicting address details
E31	Missing primary number and street name, or cannot identify a primary address line
E32	Unrecognized street name
E33	Missing or unrecognized primary number
E34	Invalid primary number
E40	Unable to resolve multiple matches for primary address
E41	Unable to resolve multiple matches due to invalid or missing directional/s
E42	Unable to resolve multiple matches due to invalid or missing suffix
E43	Unable to resolve multiple matches due to both suffix and directional/s that are invalid or missing
E45	Unable to resolve multiple matches due to invalid or missing urbanization
E46	Unable to resolve multiple matches due to invalid or missing city name
E47	Unable to resolve multiple matches due to invalid or missing ZIP
E48	Unable to resolve multiple matches due to invalid or missing ZIP+4
E50	EWS match
E60	USPS does not deliver to this address
E61	Unable to DPV validate the address