

# DSF<sup>2</sup><sup>®</sup> Layout

## Important Notes:

- DSF<sup>2</sup> does not put your file in walk sequence order. You must still presort the list to sequence your records for postage discounts.
- Additional processing will be required to insert standardized or DSF<sup>2</sup> address information from the DSF<sup>2</sup> output into your mailing list.

Each output record contains four data areas:

- *Original Input Data* - Original information received for processing.
- *Standardized Input Data* - Address in a standardized format. Includes the newly applied ZIP + 4<sup>®</sup> code, standardized address, city, state and ZIP Code<sup>™</sup> information.
- *Delivery Point Data* - Indicates if the input address is a valid delivery point and identifies CMRAs.
- *DSF<sup>2</sup> Data* - Address characteristics and pseudo walk sequence numbers.

	Original Input Data	Record Delimiter (if any) moves to end of output records	
INPUT RECORD:	xxPAT SMITH 125 DOON RD CITY ST 12345xx xxSANDY JONES453 N ELM CITY ST 65432xx xxLYNN DODD 734 OAK LANE CITY ST 55441xx xxCHRIS MOEN 72 4TH ST CITY ST 88991xx		
	Unaltered Input Data	Standardized Address Data	DSF <sup>2</sup> Walk Sequence Data & DSF <sup>2</sup> Footnotes
OUTPUT RECORD:	xxPAT SMITH 125 DOON RD CITY ST 12345xx xxSANDY JONES453 N ELM CITY ST 65432xx xxLYNN DODD 734 OAK LANE CITY ST 55441xx xxCHRIS MOEN 72 N 4TH CITY ST 88991xx	123459876STCITY125 DOON RD 65432 STCITY453 N ELM 554412386STCITY734 OAK LN 889911432STCITY72 N 4TH ST	9876R1NN NN1 1A 1357B3NN N 1A 5B 123451NN NN1 1A

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**ORIGINAL DATA (Positions 001-200)****Note: If DSF<sup>2</sup> processing follows NCOA<sup>Link</sup> processing, the original data will contain the updated address from the NCOA<sup>Link</sup> process.**

<u>Field Name</u>	<u>Begin</u>	<u>End</u>	<u>Len</u>	<u>Description</u>
Original Input Data	001	200	200	Original input data padded to 200 characters.

NOTE: For lists with a record length greater than 200 characters, the original input data will be padded to the next higher multiple of 100. All subsequent fields will be moved accordingly.

**STANDARDIZED DATA (Positions 201- 435) Field positions valid for input record length of 200 characters or less.**

<u>Field Name</u>	<u>Begin</u>	<u>End</u>	<u>Len</u>	<u>Description</u>
STD_ZIP	201	205	005	Standardized ZIP Code
STD_ZIP4	206	209	004	ZIP + 4 Code
STD_STATE	210	211	002	Standardized State Code
STD_CITY	212	239	028	Standardized City
STD_CITY13	240	252	013	USPS <sup>®</sup> 13 Character City Abbreviation
STD_DELAADR	253	300	048	Standardized Delivery (Primary) Address
STD_SECADR	301	340	040	Standardized Secondary Address
STD_URBAN	341	368	028	Puerto Rico Urbanization Flag
STD_DLPNT	369	370	002	Delivery Point Barcode (DPBC)
STD_CHKDGT	371	371	001	DPBC Check Digit
STD_CRRRT	372	375	004	Carrier Route Code
STD_LOTNO	376	379	004	Line of Travel Number
STD_LOTORD	380	380	001	Line of Travel Order
STD_ZIPFLG	381	381	001	ZIP <sup>®</sup> flag indicates whether or not the input ZIP Code was changed 1 = ZIP Code verified 2 = ZIP Code corrected Blank = ZIP Code not verified
STD_CTYCHG	382	382	001	Indicator of city name change Y = City name has changed N = City name has not changed
NDI_APTIND	383	383	001	National Deliverability Index apartment indicator 1 = Apartment address without apartment number 2 = Apartment address with apartment number (affirmed) Blank = Not apartment address
NDI_RRIND	384	384	001	National Deliverability Index rural route indicator 1 = RR/HC address without Box No 2 = RR/HC address with Box No (affirmed) Blank = Not RR/HC address
STD_ZIPCLS	385	385	001	The ZIP classification code describes the area that five-digit ZIP Code serves M = Military ZIP Code P = ZIP Code serves PO Boxes only U = Unique ZIP Code (assigned to a single organization) Blank = Standard ZIP Code
STD_APOFPO	386	386	001	Indicates active or inactive APO/FPO codes based on the USPS APO/FPO ZIP ranges and the USPS city/state file A = Active APO/FPO ZIP Code N = Inactive APO/FPO ZIP Code Blank = Not applicable
STD_CNTYNO	387	389	003	County Number
STD_LACSIN	390	390	001	LACS <sup>Link</sup> Indicator Y = Address might need 9-1-1 conversion (from box to street address) N = Address does not need conversion Blank = Address was not assigned (not ZIP + 4 coded)
STD_GENDER	391	391	001	Gender M=Male F=Female Blank=Unknown
STD_Z4EWS	392	392	001	Early Warning System Y = Identifies new addresses (new construction or renovated buildings) that are not yet incorporated into postal databases. Do not delete these addresses. ZIP + 4 processing should be able to assign carrier route codes and ZIP + 4 codes within 30-45 days. N = Not applicable
STD_FTNTAA	393	394	002	Input Address Matched to ZIP + 4 File
STD_FTNTA1	395	396	002	Input Address Not Matched to ZIP + 4 File
STD_FTNTA2	397	398	002	Reserved for Future Use - <b>Formerly</b> 'Alias Street Matched to ZIP + 4 Base Street'

**STANDARDIZED/ZIP + 4 DATA (Positions 201- 435) - continued. Field positions valid for input record length of 200 characters or less.**

<u>Field Name</u>	<u>Begin</u>	<u>End</u>	<u>Length</u>	<u>Description</u>
STD_FTNTA3	399	400	002	Reserved for Future Use - <b>Formerly</b> 'Matched to ZIP + 4 Alternate'
RESERVED1	401	402	002	Reserved for Future Use
STD_FTNTD	403	403	001	Corrected City Name and/or State Information
STD_FTNTE	404	404	001	Corrected primary address <u>Street Address</u> 1.Added or corrected directional 2.Corrected street name spelling 3.Added or corrected suffix <u>Rural Route or Highway Contract</u> Added or corrected Route or Box indicators (e.g. "RR NN", "BOX NN", or "HC NN BOX NN"). <u>PO Box</u> Corrected Box indicators (e.g. "PO BOX NN") <u>General Delivery</u> Corrected General Delivery indicators (e.g. GENERAL DELIVERY")
STD_FTNTF	405	405	001	Corrected and/or abbreviated the secondary address descriptor (e.g. "SUITE", "APARTMENT", "ROOM", etc. and/or corrected the apartment number. (e.g. transposed alphanumeric conditions such as, "J7" is "7J").
RESERVED2	406	406	001	Reserved for Future Use
STD_FTNTH	407	407	001	Corrected or Added the 5-Digit ZIP Code
RESERVED3	408	408	001	Reserved for Future Use
STD_FTNTJ	409	409	001	Failure to match last line of address Could not validate the city name, state and Zip Code on this address. This address cannot be correctly processed by automated equipment and may be undeliverable.
STD_FTNTK	410	410	001	Multiple Match to Primary Address; Address Matched to more than One Address Record.
STD_FTNTK1	411	412	002	Multiple Match Due to Incorrect Directional
STD_FTNTK2	413	414	002	Multiple Match Due to Missing or Incorrect Suffix
STD_FTNTL	415	415	001	Multiple match in secondary address Possible reason is missing or incorrect secondary descriptor (e.g. "SUITE", "APARTMENT", "ROOM", etc.). Note: Apartment buildings can have deliveries to Suite 1 and Apartment 1.
STD_FTNTM1	416	416	002	Reserved for Future Use - <b>Formerly</b> 'Missing Street Number'
STD_FTNTM2	418	419	002	Address not found 1.No such address exists 2.Transposed or incorrect address number 3.Incorrectly spelled street name This address cannot be processed correctly on automated equipment and may be undeliverable
STD_FTNTM3	420	421	002	No Such Primary Number Exists
STD_FTNTM4	422	423	002	Reserved for Future Use - <b>Formerly</b> 'Firm Name Not Matched'
STD_FTNTN1	424	425	002	Missing secondary address number in a multiple ZIP + 4 coded building
STD_FTNTN2	426	427	002	Secondary number not found 1.No such address exists 2.Transposed or incorrect number
STD_FTNTP1	428	429	002	Missing (RR or HC) Box Number
STD_FTNTP2	430	431	002	(RR or HC) Box Number Not on ZIP + 4 File
STD_FTNTQ1	432	433	002	Missing PO Box Number
STD_FTNTQ2	434	435	002	PO Box number not found on ZIP + 4 file 1.No such address exists 2.Transposed or incorrect Box number

**DPV® DATA (Positions 436- 455) Field positions valid for input record length of 200 characters or less.**

<u>Field Name</u>	<u>Begin</u>	<u>End</u>	<u>Length</u>	<u>Description</u>
DPV_FTNTAA	436	437	002	Input Address Matched to ZIP + 4 File
DPV_FTNTA1	438	439	002	Input Address Not Matched to ZIP + 4 File
DPV_FTNTBB	440	441	002	Input Address Matched to DPV File
DPV_FTNTCC	442	443	002	Input Address Matched to DPV File - Number Present but Invalid Secondary
DPV_FTNTM1	444	445	002	Input Missing Street Number
DPV_FTNTM3	446	447	002	Input Address Primary Number Invalid
DPV_FTNTN1	448	449	002	Matched to DPV - Highrise; Missing Secondary Number
DPV_FTNTP1	450	451	002	Input Address Missing PO, RR or HC Box Number
DPV_FTNTRR	452	453	002	Matched to a CMRA
DPV_FTNTR1	454	455	002	Matched to a CMRA - PMB or # Missing

**DSF<sup>2</sup> DATA (Positions 456 - 477) Field positions valid for input record length of 200 characters or less.**

<b>Field Name</b>	<b>Begin</b>	<b>End</b>	<b>Len</b>	<b>Description</b>
DSF <sup>2</sup> WLKSEQ	456	463	008	Walk sequence
DSF <sup>2</sup> ADRTYP	464	464	001	Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to DSF
DSF <sup>2</sup> DLVTYP	465	465	001	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) 3.Central = A delivery point within a building that has two or more ZIP + 4 codes assigned to a bank of boxes or floors 4.Door slot = A delivery point serviced by something other than Curb, NDCBU or Central Blank = Non-match to DSF <sup>2</sup>
DSF <sup>2</sup> VACANT	466	466	001	Vacant indicator Y = Location has been vacant for 90+ days N = Not a vacant address Blank = Not matched to DPV
DSF <sup>2</sup> SEASON	467	467	001	Seasonal indicator Y = Seasonal address N = Not a seasonal address Blank = Not matched to DPV
DSF <sup>2</sup> THRWBK	468	468	001	Throwback indicator Y = PO Box Delivery: The address associated with this delivery point is a street address, but delivery is made to the customer's PO Box address. NOTE: The carrier does not deliver mail to the street or rural route / highway contract box address. The USPS may not deliver mail addressed for the street delivery point to the PO Box unless the PO Box is included in the address. DSF <sup>2</sup> will not cross-reference the street address to the appropriate PO Box. N = Not a throwback address Blank = Non-match to DSF <sup>2</sup>
DSF <sup>2</sup> DRPIND	469	469	001	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 business. The site distributes mail for a drop site internally. Commercial "mailbox" companies or Commercial Mail Receiving Agencies (CMRAs) are also classified as drop sites because the carrier delivers the mail to one point, and the company distributes mail to special boxes. Y = Delivery point is a drop N = Delivery point is not a drop Blank = Non-match to DSF <sup>2</sup>
DSF <sup>2</sup> CMRA	470	470	001	CMRA = Commercial Mail Receiving Agency Y = CMRA N = Not a CMRA
DSF <sup>2</sup> DRPCNT	471	473	003	Number of Deliveries at the Drop
DSF <sup>2</sup> NOSTAT	474	474	001	USPS stats indicator Y = Indicates where an update may be needed within the USPS delivery database Blank = Non-match to DSF <sup>2</sup>
DSF <sup>2</sup> SCORE	475	476	002	Mail Score 1 = Address matched to the DSF2 file. 2 = Address marked as a seasonal address. 3 = Primary address matched the DSF2 file. However, the secondary address did not match to the DSF2 file. This address may or may not be deliverable. 4 = Address did not match the DSF2 file. Primary information is missing or invalid and prevented a direct match to the DSF2 file. Record may be undeliverable. 6 = Address marked as being vacant for 90 or more days. Address information is accurate but is undeliverable. 7 = Address has serious problems that prevent a match to DSF2 and ZIP+4 files. Address fields may be incomplete, or contain junk data.
AAC_FLAG	477	477	001	Advanced Address Correction and/or Apartment Append A = Advanced Address Correction (AAC) repaired or replaced incorrect or missing address components for those addresses not ZIP + 4 coded during processing. P = AAC-Apartment Append assigned or corrected an apartment number when CASS footnotes indicated a missing or incorrect apartment number.