NCOA^{Link®} Layout 500

ORIGINAL INPUT DATA (POSITIONS 1 - 200)				

FIELD NAME	BEG	END	LEN	DESCRIPTION
Client 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 - 360) Field positions valid for input record length of 200 characters or less.				

FIELD NAME	BEG	END	LEN	DESCRIPTION
Standardized ZIP Code (STD_ZIP)	201	205	005	Standardized USPS 5-Digit ZIP Code.
Standardized ZIP + 4 (STD_ZIP4)	206	209	004	ZIP + 4 Code or blank if ZIP + 4 not found.
Standardized Delivery Point (DPBC) (STD_DLVPNT)	210	211	002	Delivery point digits required for generating delivery point barcode.
Standardized DPBC Check Digit (STD_CHKDGT)	212	212	001	Check digit for POSTNET barcode.
Standardized State (STD_STATE)	213	214	002	Standardized state name; two character abbreviation.
Standardized City (STD_CITY)	215	242	028	Standardized city name.
Standardized 13 Character City Name (STD_CITY13)	243	255	013	Standardized 13-character city name as provided by USPS.
Standardized Delivery Address (STD_DELADR)	256	303	048	Standardized primary delivery address.
Standardized Secondary Address (STD_SECADR)	304	333	030	Standardized secondary delivery address. If input address is a dual address, then the secondary address field may contain the secondary address line.
Standardized Carrier Route Code (STD_CRRT)	334	337	004	Carrier route code for standardized address.
Line of Travel (LOT) Number (STD_LOTNO)	338	341	004	Line of Travel (LOT) number for carrier route mailings.
Standardized LOT Order (STD_LOTORD)	342	342	001	LOT ascending or descending sort flag.
ZIP™ Flag (STD_ZIPFLG)	343	343	001	Provides information about ZIP Code. 1 = ZIP not changed, address is in a valid range for input ZIP 2 = ZIP changed, address is in a valid range for new ZIP Blank = ZIP Code could not be validated for input address
NDI Apartment Indicator (NDI_APTIND)	344	344	001	National Deliverability Index (NDI) scoring for apartment addresses. 1 = Apartment address with missing or invalid secondary information 2 = Apartment address with apartment number (affirmed) Blank = Not apartment address or not ZIP + 4 coded
NDI RR/HC Indicator (NDI_RRIND)	345	345	001	National Deliverability Index (NDI) Scoring for RR/HC Addresses. 1 = RR/HC address with missing or invalid Box Number 2 = RR/HC address with Box Number (affirmed) Blank = Not RR/HC address or not ZIP + 4 coded
ZIP + 4 File ZIP Code Classification (STD_ZIPCLS)	346	346	001	Describes the type of ZIP Code that a five digit code serves (e.g., a single educational institution, only post office boxes, or a single address that has unusually high mail volume or many different addresses). Blank = A standard ZIP with many addresses assigned to it M= Military U= Unique ZIP Code (assigned to a single organization)
ZIP + 4 File Facility Code (STD_FACCOD)	347	347	001	Facility type code for facility serving ZIP Code area.
ZIP + 4 Early Warning System (EWS) (STD_Z4EWS)	348	348	001	EWS flag for the input address. Y = Matched to EWS file N = Not an EWS match EWS consists of records containing partial address information limited to the street name, pre-and post- directionals and the 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.
Gender Code (STD_GENDER)	349	349	001	Gender code. C = Company B = Both F = Female M = Male U = Undetermined
Reserved (RESERVED1)	350	360	011	ZIP + 4 error and status codes. See the last page of the .ajs file provided with your output for more information. Status is provided with NCOA^{Link} Limited Service (18 months).

FIELD NAME	BEG	END	LEN	DESCRIPTION
NCOA^{Link}/LACS^{Link} Move Type (COA_MOVTYP)	361	361	001	Describes the type of move filed by the USPS® customer. USPS logic requires different match criteria be used for each of these types: B = Business F = Family I = Individual P = Proprietary change-of-address (filled only when COA+ is requested) R = LACS^{Link} or Suite^{Link} match (Suite^{Link} matches are 'S' in OPT_FLAGS)
NCOA^{Link}/LACS^{Link} Delivery Code (COA_DLVCOD)	362	362	001	Helps to determine whether a new address is available. COA address is provided only for records with code M, S & L. M = Forwardable move K = Moved left no forwarding address G = PO Box closed F = Moved to a foreign address L = LACS^{Link} or Suite^{Link} match (Suite^{Link} matches are 'S' in OPT_FLAGS) S = Forwardable move, Secondary address can not be confirmed. P = Temporary Move, or Moved - new primary address can not be confirmed or converted to a deliverable address; no forwarding address provided.
Reserved (4 char Move Effective Date) (RESERVED4)	363	366	004	Supplied by the USPS, date move became effective (YYMM format). Filled with date processed for LACS^{Link} and Suite^{Link} matches.
New Delivery Address (COA_DELADR)	367	414	048	Delivery address.
New City (COA_CITY)	415	427	013	City name.
New State (COA_STATE)	428	429	002	State name abbreviation.
New ZIP Code (COA_ZIP)	430	434	005	ZIP Code.
New ZIP + 4 Code (COA_ZIP4)	435	438	004	ZIP + 4 add on.
New DPBC (COA_DLVPNT)	439	440	002	Delivery point digits required for generating delivery point barcode.
New DPBC Check Digit (COA_CHKDGT)	441	441	001	Check digit for use in generating POSTNET barcode.
New Carrier Route Code (COA_CRRT)	442	445	004	Carrier route supplied by the USPS for the new address.
New Line of Travel (LOT) No. (COA_LOTNO)	446	449	004	Line of Travel (LOT) number for carrier route mailings using the new address.
New LOT Order (COA_LOTORD)	450	450	001	LOT ascending or descending sort flag for the new address.
LACS^{Link} Record Type (LAC_RECTYP)	451	452	002	LACS^{Link} record types for LACS^{Link} matches. Identifies the type of address conversion as found on the LACS^{Link} file. LACS^{Link} processing is provided with all NCOA^{Link} processing.t 05 = RR/HC with Box to Street Type 07 = Street Type to Street Type
NCOA^{Link}/LACS^{Link} Move Effective Date (COA_MOVDAT)	453	458	006	Supplied by the USPS, date the move became effective (yyyymm format). Filled with date processed for LACS^{Link} and Suite^{Link} matches.

COA Footnote Codes (COA_FTNTS)	459	460	002	NCOA^{Link} Footnotes defined by USPS.
				A = NCOA^{Link} Match: Name match with no footnotes
				A1 = NCOA^{Link} Match: Middle Name/Initial not present
				    One of the records contains a complete middle name or initial, and the other record does not contain a middle name or initial.
				A2 = NCOA^{Link} Match: Matched full Middle Name to Initial
				    One of the records contains a complete first and middle name, and the other record contains a complete first name and middle initial only.
				A3 = NCOA^{Link} Match: Matched full First Name to Initial
				    One of the records contains a complete First and Middle Name, and the other record contains a first initial only and a complete middle name.
				A4 = NCOA^{Link} Match: Family Move, First/Middle Name different
				    Both records contain the same last name; however, the first names or initials and the middle names or initials on the NCOA^{Link} file and the customer record do not match.

Optional Services Match Flag (OPT_FLAGS)	461	465	005	Suite^{Link} and optional services Flags. A = Advanced Address Correction U = Apartment/Unit number corrected or appended P = Proprietary change of address S = Suite^{Link} match

FIELD NAME	BEG	END	LEN	DESCRIPTION
Nixie (NES) Footnotes (NES_FTNTS)	466	492	27	Each position will contain the appropriate letter or a blank. NES is provided with NCOA^Link Full Service (48 months). Call Lorton Data for a complete listing.

DPV AND NCOA^Link FOOTNOTES (POSITIONS 493 - 500) Field positions valid for input record length of 200 characters or less.

FIELD NAME	BEG	END	LEN	DESCRIPTION
Delivery Point Validation Return Code (DPV_FLAG)	493	493	001	Indicates whether or not the input address matched to the DPV database and the results of the match. Y = Delivery Point Validated. Primary number valid and secondary number when present) valid. S = Valid primary number; but secondary number (primary for RR) present and is not confirmed. D = Valid primary number; input missing secondary number (primary RR). N = No Delivery Point Validation M = Multiple match. No Delivery Point Validation. Blank = Address not presented to the DPV table.
Delivery Point Validation CMRA Flag (DPV_CMRA)	494	494	001	Indicates whether or not the input address is a Commercial Mail Receiving Agency (CMRA). Y = Address is a CMRA N = Address is not a CMRA Blank = Record not presented to CMRA match
DPV Footnotes (DPV_FTNTS)	495	498	004	DPV code for the input address. AA = Input address ZIP + 4 match A1 = Input address ZIP + 4 not matched BB = Input address DPV matched (all components) CC = Input address DPV primary number match, secondary number not matched (secondary number present but is not DPV confirmed) F1 = Input address matches a military address G1 = Input address matches a general delivery address M1 = Input address primary number missing M3 = Input address primary number invalid N1 = Input address DPV primary number match, high-rise address missing secondary number P1 = Input address missing PO, RR, or HC Box number P3 = Input address PO, RR, or HC Box number invalid R1 = Input address DPV matched to CMRA but PMB number not present RR = Input address DPV matched to CMRA U1 = Input address matches a unique address

NCOA^Link Return Code (COA_RTNCD)	499	500	002	**New address provided for return codes A, 91 and 92 only. All new addresses are DPV confirmed.**
				A = COA match.
				  The input record matched to a business, individual or family type master fi le record. A new address could be furnished.
				00 = No match.
				  The input record could not be matched to a master fi le record. A new address could not be furnished.
				01 = Found COA: Foreign move. New address not provided.
				  The input record matched to a business, individual or family type master fi le record but the new address was outside USPS delivery area.
				02 = Found COA: Moved left no address (MLNA). New address not provided.
				  The input record matched to a business, individual or family type master file record and the new address was not provided to USPS.
				03 = Found COA: Box closed no order (BCNO). New address not provided.
				  The input record matched to a business, individual or family type master fi le record which con tains an old address of a PO Box that has been closed without a forwarding address provided.
				04 = Cannot match COA: Street address with secondary.
				  In the Standard mode utilizing Family matching logic the input record matched to a family record type on the master file with an old address that contained secondary information which obtained a ZIP + 4 street level match. The input record does not contain secondary information. This address match situation requires individual name matching logic to obtain a match and individual names do not match.
				05 = Found COA: New 11-digit DPBC is ambiguous. New address not provided.
				  The input record matched to a business, individual or family type master file record. The new address on the master file record could not be converted to a deliverable address because the DPBC represents more than one delivery point.
				06 = Cannot match COA: Conflicting directions: Middle name related.
				  There is more than one COA (individual or family type) record for the match algorithm and the middle names or initials on the COAs are different. Therefore, a single match result could not be determined.
				07 = Cannot match COA: Confl icting directions: Gender related.
				  There is more than one COA (individual or family type) record for the match algorithm and the genders of the names on the COAs are different. Therefore, a single match result could not be determined.
				08 = Cannot match COA: Other conflicting instructions.
				  The input record matched to two master fi le (business, individual or family type) records. The two records in the master file were compared and due to differences in the new addresses, a match could not be made.

NCOA^{Link} Return Code (COA_RTNCD)	499	500	002	

NCOA^{Link} Return Code
(COA_RTNCD)   499   500   002

09 = Cannot match COA: High-rise default.
The input record matched to a family record on the master fi le from a High-rise address ZIP + 4 coded to the building default. This address match situation requires individual name matching logic to obtain a match and individual names do not match

10 = Cannot match COA: Rural default.
The input record matched to a family record on the master fi le from a Rural Route or Highway Contract Route address ZIP + 4 coded to the route default. This address situation requires individual name matching logic to obtain a match and individual names do not match.

11 = Cannot match COA: Individual match: Insufficient COA name for match.
There is a master file (individual or family type) record with the same surname and address but there is insufficient name information on the master fi le record to produce a match using individual matching logic.

12 = Cannot match COA: Middle name test failed.
The input record matched to an individual or family record on the master file with the same address and surname. However, a match cannot be made because the input name contains a conflict with the middle name or initials on the master file record.

13 = Cannot match COA: Gender test failed.
The input record matched to a master file (individual or family type) record. A match cannot be made because the gender of the name on the input record conflicts with the gender of the name on the master file record.

14 = Found COA: New address would not convert at run time. New address not provided.
The input record matched to a master file (business, individual or family type) record. The new address could not be converted to a deliverable address.

15 = Cannot match COA: Individual name insufficient
There is a master file record with the same address and surname. A match cannot be made because the input record does not contain a first name or contains initials only.

16 = Cannot match COA: Secondary number discrepancy.
The input record matched to a street level individual or family type record. However, a match is prohibited based on 1 of the following reasons: 1) There is conflicting secondary information on the input and master file record; 2) the input record contained secondary information and matched to a family record that does not contain secondary information. In item 2, this address match situation requires individual name matching logic to obtain a COA match and individual names do not match.

17 = Cannot match COA: Other insufficient name
The input record matched to an individual or family master file record. The input name is different or not sufficient enough to produce a match.

18 = Cannot match COA: General delivery
The input record matched to a family record on the master file from a General Delivery address. This address situation requires individual name matching logic to obtain a match and individual names do not match.

19 = Found COA: New Address not ZIP + 4 coded, New address primary number not DPV confirmable or Temporary Change Of Address - There is a change of address on file but the new address cannot be ZIP + 4 coded and therefore there is no 11-digit DPBC to store or return, the new address primary number cannot be confirmed on DPV or the new address is temporary.

20 = Cannot match COA: Conflicting directions after re-chaining
Multiple master file records were potential matches for the input record. The master file records contained different new addresses and a single match result could not be determined.

66 = Daily delete. New address not provided.
The input record matched to a business, individual or family type master file record with an old address that is present in the daily delete file. The presence of an address in the daily delete file means that a COA with this address is pending deletion from the master file and that no mail may be forwarded from this address.

91 = COA Match: Secondary number dropped from COA
The input record matched to a master file record. The master file record had a secondary number and the input address did not. The record is a ZIP + 4 street level match.

92 = COA Match: Secondary number dropped from input address
The input record matched to a master file record, but the input address had a secondary number and the master file record did not.

If you requested duplicate identification or coding for suppression matches, flags for these matches are found in the 10 bytes after position 500.

Suppression Flags   10
(SUPP_FLAGS)

Suppression & duplicate identification flags (field and codes returned only if service/s are requested)
A = Deceased
B = DMA Preference do-not-mail
C = Prison
D = Duplicate record
E = Keep record
F = Non duplicate

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