NCOA^{Link®} Layout 800

Input Data			Length	Description
Client input data	1	200	200	Original input data padded to 200 characters. 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	Begin	End	Length	Description
std deladr	201	248	48	Delivery address
std secadr	249	278	30	Secondary address
std urban	279	318	40	Urbanization (for Puerto Rico addresses)
std_city	319	346	28	City name
std_city13	347	359	13	13-character city name as provided by USPS®
std state	360	361	2	State
std_zip	362	366	5	USPS 5-digit ZIP Code™
std_zip4	367	370	4	ZIP + $4^{\text{®}}$ or blank if ZIP + 4 not found
std dlvpnt	371	372	2	Delivery point
std_chkdgt	373	373	1	Legacy check digit
std crrt	374	377	4	Carrier route code
std lotno	378	381	4	Line of Travel (LOT) number for carrier route mailings
std_lotord	382	382	1	LOT ascending or descending sort flag
std_status	383	388	6	Status/error codes (See Appendix A for status codes and Appendix B for error codes)
std_zipflg	389	389	1	ZIP Code change flag
				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
std lacind	390	390	1	LACS ^{Link®} indicator
_				Y = Address might need 911 conversion (from box to street address)
				N = Address does not need conversion
				Blank = Address was not assigned (not ZIP + 4 coded)
std z4ews	391	391	1	<u> </u>
—				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
std_adrtyp	392	392	1	Address match type
				F = Firm
				G = General delivery
				H = High-rise apartment or office building
				M = Military
				P = Post Office Box™
				R = Rural route or highway contract
				S = Street
				Blank = Unassigned (not ZIP + 4 coded)
std_aptind	393	393	1	National Deliverability Index (NDI) scoring for apartment addresses
				1 = Apartment address without apartment number
				2 = Apartment address with apartment number (Affirmed)
	00.4	00.4		Blank = Not an apartment address
std_rrind	394	394	1	National Deliverability Index (NDI) scoring for RR/HC addresses
				1 = RR/HC address without Box number
				2 = RR/HC address with Box number (Affirmed)
atd roud?	205	207	0	Blank = Not a RR/HC address
std_rsvd2 std_cntycd	395 398	397 400	3	U.S. Congressional District Three digit county code
	401	400	2	
std_code	401	402	2	Flag of '00' to indicate if the address in std_deladr or std_secadr has been truncated. We suggest keeping the input address if this is '00'.
day yearst	400	400	1	Vacant indicator
dpv_vacant	403	403	1	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	404	404	1	Indicates whether or not a record matched to the DPV database
ap - inda	- U -	-0-	•	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	405	405	1	Indicates whether or not the 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	406	417	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
				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
loo rtpood	418	419	2	U1 = Input address matches a unique address USPS LACS ^{Link} return codes
lac_rtncod	410	419	2	USPS LACS ^{There} return codes A = LACS ^{Link} record match, a converted address is provided in the
				standardized address data fields
				00 = No match, and no converted address
				09 = LACS ^{Link} matched an input address to an old address, which is a
				'highrise default' address, no new address is provided
				14 = Found LACS ^{Link} record, but could not convert the data to a deliverable address
				92 = LACS ^{Link} record matched after dropping the secondary number from input
ste rtncd	420	421	2	Blank = Record not presented for LACS ^{Link} match
ste_rtncd	420	421	2	
ste_rtncd	420	421	2	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address
ste_rtncd	420	421	2	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added
				Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match
ste_rtncd std_resvd	420			Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added
		2 467	Zength	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match
std_resvd COA Data coa_deladr	422 Begin 468	2 467 End 515	<mark>2 48 48 48 48 48 48 48 48 48 48 48 48 48 </mark>	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match 46 Reserved space (future use) Description Delivery address
std_resvd COA Data coa_deladr coa_urban	422 Begin 468 516	2 467 End 515 555	<mark>/ 2 4</mark> Length 48 40	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match 46 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses)
std_resvd COA Data coa_deladr	422 Begin 468	2 467 End 515	<mark>2 48 48 48 48 48 48 48 48 48 48 48 48 48 </mark>	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match 46 Reserved space (future use) Description Delivery address
std_resvd COA Data coa_deladr coa_urban coa_city coa_city13 coa_state	422 Begin 468 516 556 584 597	2 467 End 515 555 583 596 598	2 48 48 40 28 13 2	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match 46 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State
std_resvd COA Data coa_deladr coa_urban coa_city coa_sity coa_state coa_zip	422 Begin 468 516 556 5556 584 597 599	e 467 End 515 555 583 596 598 603	2 4 Length 48 40 28 13 2 5	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match 46 Reserved space (future use) Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code
std_resvd COA Data coa_deladr coa_city coa_city13 coa_sity13 coa_zip coa_zip	422 Begin 468 516 556 584 597 599 604	2 467 End 515 555 583 596 598 603 607	2 48 48 40 28 13 2 5 4	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match #6 Reserved space (future use) Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP Code
std_resvd COA Data coa_deladr coa_urban coa_city coa_city13 coa_state coa_zip coa_zip4 coa_dlvpnt	422 Begin 468 516 556 584 597 599	e 467 End 515 555 583 596 598 603	2 4 Length 48 40 28 13 2 5	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match #6 Reserved space (future use) Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP + 4 Delivery point
std_resvd COA Data coa_deladr coa_urban coa_city coa_city13 coa_zip13 coa_zip coa_zip4	422 Begin 468 516 556 584 597 599 604 608	2 467 End 515 555 583 596 598 603 607 609	2 4 Length 48 40 28 13 2 5 4 2 2	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match #6 Reserved space (future use) Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP Code
std_resvd COA Data coa_deladr coa_urban coa_city coa_city13 coa_state coa_zip coa_dlypnt coa_crrt coa_lotno	422 Begin 468 556 556 584 597 599 604 608 610 611 615	2 467 End 515 555 583 596 598 603 607 609 610 614 618	V 4 Length 48 40 28 13 2 5 4 2 1	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match 16 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP + 4 Delivery point Legacy check digit Carrier route code Line of Travel (LOT) number for carrier route mailings
std_resvd COA Data coa_deladr coa_urban coa_city coa_city13 coa_state coa_zip coa_dlypnt coa_chkdgt coa_cotrt coa_lotno coa_lotord	422 Begin 468 516 556 584 597 599 604 608 610 611 615 619	 467 End 515 583 596 598 603 607 609 610 614 618 619 	Length 48 40 28 13 2 5 4 2 1 4 4 1	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match #6 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP + 4 Delivery point Legacy check digit Carrier route code Line of Travel (LOT) number for carrier route mailings LOT ascending or descending sort flag
std_resvd COA Data coa_deladr coa_urban coa_city13 coa_state coa_zip coa_divpnt coa_crrt coa_lotno	422 Begin 468 556 556 584 597 599 604 608 610 611 615	2 467 End 515 555 583 596 598 603 607 609 610 614 618	Zength 48 40 28 13 2 5 4 2 1 4	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match #6 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP + 4 Delivery point Legacy check digit Carrier route code Line of Travel (LOT) number for carrier route mailings LOT ascending or descending sort flag LACS ^{Link} flag
std_resvd COA Data coa_deladr coa_urban coa_city coa_city13 coa_state coa_zip coa_dlypnt coa_chkdgt coa_cotrt coa_lotno coa_lotord	422 Begin 468 516 556 584 597 599 604 608 610 611 615 619	 467 End 515 583 596 598 603 607 609 610 614 618 619 	Length 48 40 28 13 2 5 4 2 1 4 4 1	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match I6 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP + 4 Delivery point Legacy check digit Carrier route code Line of Travel (LOT) number for carrier route mailings LOT ascending or descending sort flag LACS ^{Link} flag Y = Address converted by LACS ^{Link}
std_resvd COA Data coa_deladr coa_urban coa_city coa_city13 coa_state coa_zip coa_dlypnt coa_chkdgt coa_cotrt coa_lotno coa_lotord	422 Begin 468 516 556 584 597 599 604 608 610 611 615 619	 467 End 515 583 596 598 603 607 609 610 614 618 619 	Length 48 40 28 13 2 5 4 2 1 4 4 1	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match I6 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP + 4 Delivery point Legacy check digit Carrier route code Line of Travel (LOT) number for carrier route mailings LOT ascending or descending sort flag LACS ^{Link} flag Y = Address converted by LACS ^{Link} N = Address looked up with LACS ^{Link} but not converted
std_resvd COA Data coa_deladr coa_urban coa_city coa_city13 coa_state coa_zip coa_dlypnt coa_chkdgt coa_cotrt coa_lotno coa_lotord	422 Begin 468 516 556 584 597 599 604 608 610 611 615 619	 467 End 515 583 596 598 603 607 609 610 614 618 619 	Length 48 40 28 13 2 5 4 2 1 4 4 1	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{Link} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match I6 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP + 4 Delivery point Legacy check digit Carrier route code Line of Travel (LOT) number for carrier route mailings LOT ascending or descending sort flag LACS ^{Link} flag Y = Address converted by LACS ^{Link}
std_resvd COA Data coa_deladr coa_urban coa_city coa_city13 coa_state coa_zip coa_dlypnt coa_chkdgt coa_cotrt coa_lotno coa_lotord	422 Begin 468 516 556 584 597 599 604 608 610 611 615 619	 467 End 515 583 596 598 603 607 609 610 614 618 619 	Length 48 40 28 13 2 5 4 2 1 4 4 1	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{LinkTM} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match #6 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP + 4 Delivery point Legacy check digit Carrier route code Line of Travel (LOT) number for carrier route mailings LOT ascending or descending sort flag LACS ^{Link} flag Y = Address looked up with LACS ^{Link} but not converted S = A LACS ^{Link} conversion was made, but it was necessary to drop the
std_resvd COA Data coa_deladr coa_urban coa_city coa_city13 coa_state coa_zip coa_dlypnt coa_chkdgt coa_cotrt coa_lotno coa_lotord	422 Begin 468 516 556 584 597 599 604 608 610 611 615 619	 467 End 515 583 596 598 603 607 609 610 614 618 619 	Length 48 40 28 13 2 5 4 2 1 4 4 1	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{LinkTM} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match 46 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP + 4 Delivery point Legacy check digit Carrier route code Line of Travel (LOT) number for carrier route mailings LOT ascending or descending sort flag LACS ^{Link} flag Y = Address converted by LACS ^{Link} but not converted S = A LACS ^{Link} conversion was made, but it was necessary to drop the secondary information Blank = Record not presented for LACS ^{Link} match
std_resvd COA Data coa_deladr coa_urban coa_city coa_city13 coa_state coa_zip coa_dlypnt coa_chkdgt coa_lotno coa_lotord coa_lacind	422 Begin 468 516 5556 584 597 599 604 608 610 611 615 619 620	 467 End 515 555 583 596 598 603 607 609 610 614 618 619 620 	Z 4 48 40 28 13 2 5 4 2 1 4 1 1	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{LinkTM} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match #6 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP Code Line of Travel (LOT) number for carrier route mailings LOT ascending or descending sort flag LACS ^{Link} N = Address converted by LACS ^{Link} N = Address converted by LACS ^{Link} N = Address converted by LACS ^{Link} but not converted S = A LACS ^{Link} conversion was made, but it was necessary to drop the secondary information Blank = Record not presented for LACS ^{Link} match Address match type F = Firm
std_resvd COA Data coa_deladr coa_urban coa_city coa_state coa_zip coa_dlypnt coa_chkdgt coa_lotord coa_lotord coa_lacind	422 Begin 468 516 5556 584 597 599 604 608 610 611 615 619 620	 467 End 515 555 583 596 598 603 607 609 610 614 618 619 620 	Z 4 48 40 28 13 2 5 4 2 1 4 1 1	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{Link™} return codes A = Suite ^{Link™} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match #6 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP Code Link of Travel (LOT) number for carrier route mailings LOT ascending or descending sort flag LACS ^{Link} V = Address looked up with LACS ^{Link} N = Address looked up with LACS ^{Link} N = Address looked up with LACS ^{Link} but not converted S = A LACS ^{Link} conversion was made, but it was necessary to drop the secondary information Blank = Record not presented for LACS ^{Link} match Address match type F = Firm G = General delivery
std_resvd COA Data coa_deladr coa_urban coa_city coa_state coa_zip coa_dlypnt coa_chkdgt coa_lotord coa_lotord coa_lacind	422 Begin 468 516 5556 584 597 599 604 608 610 611 615 619 620	 467 End 515 555 583 596 598 603 607 609 610 614 618 619 620 	Z 4 48 40 28 13 2 5 4 2 1 4 1 1	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{LinkTM} return codes A = Suite ^{LinkTM} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match 46 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP 4 Delivery point Legacy check digit Carrier route code Line of Travel (LOT) number for carrier route mailings LOT ascending or descending sort flag Y = Address converted by LACS ^{Link} N = Address looked up with LACS ^{Link} but not converted S = A LACS ^{Link} conversion was made, but it was necessary to drop the secondary information Blank = Record not presented for LACS ^{Link} match Address match type F = Firm G = General delivery H = High-rise apartment or office building
std_resvd COA Data coa_deladr coa_urban coa_city coa_state coa_zip coa_dlypnt coa_chkdgt coa_lotord coa_lotord coa_lacind	422 Begin 468 516 5556 584 597 599 604 608 610 611 615 619 620	 467 End 515 555 583 596 598 603 607 609 610 614 618 619 620 	Z 4 48 40 28 13 2 5 4 2 1 4 1 1	Blank = Record not presented for LACS ^{Link} match USPS Suite ^{Link™} return codes A = Suite ^{Link™} record match, suite information is added to the standardized address 00 = No match, and no suite information added Blank = Record not presented for Suite ^{Link} match #6 Reserved space (future use) Description Delivery address Urbanization (for Puerto Rico addresses) City name 13-character city name as provided by USPS State ZIP Code ZIP Code Link of Travel (LOT) number for carrier route mailings LOT ascending or descending sort flag LACS ^{Link} V = Address looked up with LACS ^{Link} N = Address looked up with LACS ^{Link} N = Address looked up with LACS ^{Link} but not converted S = A LACS ^{Link} conversion was made, but it was necessary to drop the secondary information Blank = Record not presented for LACS ^{Link} match Address match type F = Firm G = General delivery

				P = Post Office Box
				R = Rural route or highway contract
				S = Street
				Blank = Unassigned
coa_resvd1	622	630	9	U.S. Congressional District for new address
coa_movdat	631	636	6	Date NCOA ^{Link} or PCOA move became effective (YYYYMM format)

coa_movtyp	637	637	1	Type of match made to NCOA ^{Link} or PCOA database
				B = Business
				F = Family
				I = Individual
				P = Proprietary change-of-address (if optional service requested)
				R = LACS ^{Link}
				S = Suite ^{Link}
coa_dlvcod	638	638	1	USPS NCOA ^{Link} Delivery Code
				New Address is provided only for records with code "M", "S", "T" or "L"
				M = Forwardable move
				S = Forwardable move, secondary address cannot be confirmed
				K = Moved, left no forwarding address
				$G = PO Box^{TM} closed$
				F = Moved to a foreign address
				P = Temporary move, or moved and new primary address can not be confirmed or
				converted to a deliverable address; no forwarding address provided
				$L = LACS^{Link}$ conversion
				T = Suite ^{Link} match
				or PCOA confidence code if a new address was provided from PCOA processing
				1 =PCOA forwardable move; high confidence
				2 =PCOA forwardable move; confident
				3 =PCOA forwardable move; less confident*
				4 =PCOA forwardable move; low confidence*
				* Before using an updated address with PCOA code 3 or 4, we recommend using an
				additional method of validation (e.g., phone call, email) to confirm accuracy.
coa_chgind	639	639	1	Change flag. New address provided for records with "A" only
giiid	000	000		A = New address provided (forwardable move, LACSLink update or SuiteLink match)
				B = Possible move
				C = No match
		0	2	D = Moved; no new address available
coa_rtncod	640	641	2	USPS NCOA ^{Link} Return Codes. See Appendix C for codes. This field is not altered during
				PCOA processing and may reflect that a non-forwardable move was found during NCOA Link
				processing prior to finding a forwardable move during PCOA processing.
				p
coa_cmra	642	642	1	Indicates whether or not the new address is a Commercial Mail Receiving Agency
				(CMRA)
				Y = New address is a CMRA
				N = New address is not a CMRA
				N = New address is not a CIVIRA
				Blank = Record not presented for CMRA match
coa_resvd2	643	651	9	Reserved space (future use)
coa_resvd2 coa_name	<mark>643</mark> 652	<mark>651</mark> 691	<mark>9</mark> 40	
				Reserved space (future use)
			40	Reserved space (future use) Name used for matching
coa_name Future Use	652	691	40	Reserved space (future use) Name used for matching Description
coa_name	652 Begin	691 End	40 Length	Reserved space (future use) Name used for matching
coa_name Future Use coa_resvd	652 Begin 692	691 End 736	40 Length 45	Reserved space (future use) Name used for matching Description Reserved space (future use)
coa_name Future Use coa_resvd DSF ^{2®} Data	652 Begin 692 Begin	691 End 736 End	40 Length 45 Length	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq	652 Begin 692 Begin 737	691 End 736 End 744	40 Length 45	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq	652 Begin 692 Begin	691 End 736 End	40 Length 45 Length	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq	652 Begin 692 Begin 737	691 End 736 End 744	40 Length 45 Length	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq	652 Begin 692 Begin 737	691 End 736 End 744	40 Length 45 Length	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq	652 Begin 692 Begin 737	691 End 736 End 744	40 Length 45 Length	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq	652 Begin 692 Begin 737	691 End 736 End 744	40 Length 45 Length	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq	652 Begin 692 Begin 737	691 End 736 End 744	40 Length 45 Length	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp	652 Begin 692 Begin 737	691 End 736 End 744	40 Length 45 Length	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp	652 Begin 692 Begin 737 745	691 End 736 End 744 745	40 Length 45 Length 8 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp	652 Begin 692 Begin 737 745	691 End 736 End 744 745	40 Length 45 Length 8 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is an educational institution
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp	652 Begin 692 Begin 737 745	691 End 736 End 744 745	40 Length 45 Length 8 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is an educational institution N = Address is not an educational institution
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind	652 Begin 692 Begin 737 745 745	691 End 736 End 744 745 746	40 Length 45 Length 8 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is an educational institution N = Address is not an educational institution Blank = No lookup attempted
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind	652 Begin 692 Begin 737 745	691 End 736 End 744 745	40 Length 45 Length 8 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is an educational institution N = Address is not an educational institution Blank = No lookup attempted Delivery type code
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind	652 Begin 692 Begin 737 745 745	691 End 736 End 744 745 746	40 Length 45 Length 8 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is not an educational institution N = Address is not an educational institution Blank = No lookup attempted Delivery type code 1 = Curb - A delivery point with a mail receptacle located at the curb
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind	652 Begin 692 Begin 737 745 745	691 End 736 End 744 745 746	40 Length 45 Length 8 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is an educational institution N = Address is not an educational institution Blank = No lookup attempted 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
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coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind	652 Begin 692 Begin 737 745 745	691 End 736 End 744 745 746	40 Length 45 Length 8 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is not an educational institution N = Address is not an educational institution Blank = No lookup attempted 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 not serviced by Curb, NDCBU or Central
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind	652 Begin 692 737 745 746 746	691 End 736 End 744 745 746	40 Length 45 Length 8 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is an educational institution Blank = No lookup attempted 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
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind dsf2dlvtyp	652 Begin 692 Begin 737 745 745	691 End 736 End 744 745 746 747	40 Length 45 Length 8 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is not an educational institution N = Address is not an educational institution Blank = No lookup attempted 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 not serviced by Curb, NDCBU or Central Blank = Non-match to Delivery Sequence File Vacant indicator
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind dsf2dlvtyp	652 Begin 692 737 745 746 746	691 End 736 End 744 745 746 747	40 Length 45 Length 8 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is an educational institution N = Address is not an educational institution Blank = No lookup attempted Delivery type code 1 = Curb - A delivery point with a mail receptacle located at the curb 2 = NDCBU - A delivery point with a 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 Vacant indicator Y = Location has been vacant for 90+ days
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind dsf2dlvtyp	652 Begin 692 737 745 746 746	691 End 736 End 744 745 746 747	40 Length 45 Length 8 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is an educational institution N = Address is not an educational institution Blank = No lookup attempted 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 Vacant indicator Y = Location has been vacant for 90+ days N = Not a vacant address
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind dsf2dlvtyp dsf2vacant	652 Begin 737 745 746 747 748	691 End 744 745 746 747 748	40 Length 45 Length 8 1 1 1 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is an educational institution N = Address is not an educational institution Blank = No lookup attempted 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 not serviced by Curb, NDCBU or Central Blank = Non-match to Delivery Sequence File 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)
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind dsf2dlvtyp dsf2vacant	652 Begin 692 737 745 746 746	691 End 736 End 744 745 746 747	40 Length 45 Length 8 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is an educational institution N = Address is not an educational institution Blank = No lookup attempted Delivery type code 1 = Curb - 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 not serviced by Curb, NDCBU or Central Blank = Non-match to Delivery Sequence File 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) Seasonal indicator
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind dsf2dlvtyp dsf2vacant	652 Begin 737 745 746 747 748	691 End 744 745 746 747 748	40 Length 45 Length 8 1 1 1 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is an educational institution Blank = No lookup attempted Delivery type code 1 = Curb - A delivery point with a mail receptacle located at the curb 2 = NDCBU - A delivery point with a mail receptacle located at the curb 2 = NDCBU - A delivery point with a 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 not serviced by Curb, NDCBU or Central Blank = Non-match to Delivery Sequence File 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) Seasonal indicator Y = Seasonal address
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coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind dsf2dlvtyp dsf2vacant dsf2season	652 Begin 737 745 746 746 747 748 748	691 End 736 744 745 746 747 747 748 749	40 Length 45 Length 8 1 1 1 1 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is an educational institution N = Address is not an educational institution Blank = No lookup attempted 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 not serviced by Curb, NDCBU or Central Blank = Non-match to Delivery Sequence File 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) Seasonal indicator Y = Seasonal address N = Not a seasonal address Blank = Record not presented for vacant match (not ZIP + 4 coded)
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coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind dsf2dlvtyp dsf2vacant dsf2season	652 Begin 737 745 746 746 747 748 748	691 End 736 744 745 746 747 747 748 749	40 Length 45 Length 8 1 1 1 1 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B - Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is not an educational institution N = Address is not an educational institution Blank = No lookup attempted Delivery type code 1 = Curb - A delivery point with a mail receptacle located at the curb 2 = NDCBU - A delivery point with a 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 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) Seasonal indicator Y = Seasonal address Blank = Record not
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coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind dsf2dlvtyp dsf2vacant dsf2season	652 Begin 737 745 746 746 747 748 748	691 End 736 744 745 746 747 747 748 749	40 Length 45 Length 8 1 1 1 1 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B - Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is not an educational institution N = Address is not an educational institution Blank = No lookup attempted Delivery type code 1 = Curb - A delivery point with a mail receptacle located at the curb 2 = NDCBU - A delivery point with a 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 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) Seasonal indicator Y = Seasonal address Blank = Record not
coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind dsf2dlvtyp dsf2vacant dsf2season	652 Begin 737 745 746 746 747 748 748	691 End 736 744 745 746 747 747 748 749	40 Length 45 Length 8 1 1 1 1 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is not an educational institution N = Address is not an educational institution Blank = No lookup attempted Delivery type code 1 = Curb - A delivery point with a mail receptacle located at the curb 2 = NDCBU - 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 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) Seasonal indicator Y = Seasonal address N = Not a seasonal address Blank = Record not presented for seasonal match (not ZIP + 4 coded) Seasonal indicator
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coa_name Future Use coa_resvd DSF ^{2®} Data dsf2wlkseq dsf2adrtyp dsf2eduind dsf2dlvtyp dsf2vacant dsf2season	652 Begin 737 745 746 746 747 748 748	691 End 736 744 745 746 747 747 748 749	40 Length 45 Length 8 1 1 1 1 1 1	Reserved space (future use) Name used for matching Description Reserved space (future use) Description - filled only when DSF ² is requested Walk sequence number Address type B = Business R = Residential G = General delivery U = Undetermined Blank = Non-match to Delivery Sequence File Educational indicator Y = Address is an educational institution N = Address is not an educational institution Blank = No lookup attempted Delivery type code 1 = Curb - A delivery point with a mail receptacle located at the curb 2 = NDCBU - 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 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) Seasonal address N = Not a seasonal address Blank = Record not presented for seasonal match (not ZIP + 4 coded) Seasonal indicator Y = Seasonal address
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dsf2drpind	751	751	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	752	754	3	Number of deliveries at the drop
dsf2nostat	755	755	1	USPS No Stat indicator
				Y = Update may be needed within the USPS delivery database
				N = No update needed within the USPS delivery database
	750			Blank = Record not presented to Delivery Sequence File (not ZIP + 4 coded)
dsf2score	756	757	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.
dsf resvd	758	761	4	Reserved space (future use)
Telephone	Begin	End	Length	Description - filled only when telephone service is requested
std_phone	762	771	10	Phone number
Ontional Flore	Deala	F in al	Longeth	Description filled only when entired convises are requested
Optional Flags	Begin	End	Length	Description - filled only when optional services are requested
opt_flags	772	779	8	Optional return codes
				A = Advanced Address Correction
				U = Apartment/unit number corrected or appended
				B or P = PCOA (Proprietary change of address)
				L = PCOA Plus (Proprietary change of address)
Suppression Flags	Begin	End	Length	Description - filled only when suppression/s are requested
supp_flags	780	789	10	Suppression & duplicate match flags
supp_liags	780	109	10	A = Deceased
				A = Deceased B = DMA Do not mail
				B = DMA DO HOL HIAIIC = Prison
				D = Duplicate record
				E = Keep record
				F = Non duplicate
				r – non adplicate
Gender Flag	Beain	End	Length	Description
std_gender	790		1	Gender code
			-	B = Both
				C = Company
				F = Female
				M = Male
				U = Unknown/undetermined
				Blank = No input name
				Blank = No input name
Future Use	Begin	End	Length	Blank = No input name Description
Future Use resvd1	Begin	End 800	Length	



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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.

	iu was unangeu.
Value	What Changed
	1st Character
S	Nothing was truncated
А	The address line was truncated to fit in your field
В	The address line and city name were truncated to fit in your fields
С	The city name was truncated to fit in your field
	2nd Character
0	No significant change to the city, state, ZIP [™] , or ZIP + 4
1	
2	City
3	City and ZIP
4	State
5	State and ZIP
6	City and state
7	City, state, and ZIP
8	ZIP + 4
9	ZIP and ZIP + 4
А	City and ZIP + 4
В	City, ZIP, and ZIP + 4
С	State and ZIP + 4
D	State, ZIP, and ZIP + 4
E	City, state, and ZIP + 4
F	City, state, ZIP and ZIP + 4
	3rd Character
0	No significant change to the predirectional, primary (street) name, postdirectional, or suffix
1	Suffix
2 3	Predirectional
3	Predirectional and suffix
4 5	Postdirectional
5	Suffix and postdirectional
6 7	Predirectional and postdirectional
8	Predirectional, suffix, and postdirectional Primary name
o 9	Primary name and suffix
A	Predirectional and primary name
B	Predirectional, primary name, and suffix
C	Primary name and postdirectional
D	Primary name, suffix, and postdirectional
E	Predirectional, primary name, and postdirectional
F	Predirectional, primary name, postdirectional, and suffix
	4th Character
0	No change in county, carrier route, DP2 and/or DPC, or unit designator
1	Unit designator
2	DP2 and/or DPC
3	DP2 and/or DPC and unit designator
4	Carrier oute
5	Carrier route and unit designator
6	Carrier route, and DP2, and/or DPC
7	Carrier route, and DP2 and/or DPC, and unit designator
8	County number
8 9	County number and unit designator
А	County number, and DP2, and/or DPC
В	County number, DP2 and/or DPC, and unit designator
С	County number and carrier route
D	County number, carrier route, and unit designator
E	County number, carrier route, and DP2, and/or DPC
F	County number, carrier route, and DP2 and/or DPC, and unit designator
	5th Character
0	No change to the LOT (line of travel), LOT Order (line of travel order), or Urb (Urbanization code)
1	LOT
2	LOT Order
3	LOT and LOT Order
4	Urb
5	Urb and LOT
6 7	Urb and LOT Order
1	Urb, LOT, and LOT Order
	6th Character
n/a	This character is reserved for future expansion of the status code. It will always be zero.

Appendix B

Error Codes

Code	Description
	The data contains either 1) no last-line data at all, 2) only a city name, or 3) only a state. There is not enough last-line data to justify going any
E101	further with the assignment process.
E194	Failure to match to Unique ZIP Code. ZIP Code, directional, street suffix, or primary number may be missing or invalid.
	The input data does not include a recognizable city name, so look-up in the City directory is impossible. The input data includes a ZIP Code.
E212	but no match for it can be found in the ZCF directory. This error does not indicate whether or not the state data is valid.
5040	The input data includes a valid state and something that might be a city name, but no match for them can be found in the City directory. The
E213	input data does not include a ZIP Code, so no look-up in the ZCF directory is possible.
5044	The input data includes something that might be a city name, and something that might be a ZIP Code. However, both of them are invalid,
E214	because no match for either of them can be found in the City and ZCF directories.
	The input data may or may not include a ZIP Code. If a ZIP is input, no match for it can be found in the ZCF directory. When looking up the
E216	input city and state in the city directory, the software finds two or more matching cities in the state. Because the input ZIP is invalid or
	missing, the software cannot break the tie between possible city matches, nor determine which ZIP to assign.
E302	Nothing in the input record is recognized as a primary address line.
E412	No match for the input street name can be found in the ZIP+4 directory. Perhaps the street name is misspelled or incorrectly abbreviated. If
6412	the input address line contains extraneous data that might be interpreted as a part of the street name, this also can result in E412.
E413	The ZIP+4 directory contains two or more street names that resemble the input street name. However, the resemblance between potential
	matches is so close that one cannot be chosen.
E420	Nothing in the input address line is recognized as a primary range (house number). This may mean that the primary range truly is missing, or
	that it cannot be recognized.
E421	According to the ZIP+4 directory, the input primary range (house number) is invalid. That is, it does not fall within any of the ranges listed for
	that street, route, or building.
E422	The ZIP+4 directory indicates that a predirectional is required to choose between possible matches. However, either the input data does not
	include a predirectional, or the input predirectional is invalid (not among those listed for the street).
E423	The ZIP+4 directory indicates that a suffix is required to choose between possible matches. However, either the input data does not include a
	suffix, or the input suffix is invalid (not among those listed for the street).
E425	The ZIP+4 directory indicates that both a suffix and a directional are required to choose between possible matches. However, either the input data does not include a suffix and directional, or the input suffix and directional are invalid (not among those listed for the street).
	The ZIP+4 directory indicates that a postdirectional is required to choose between possible matches. However, either the input data does not
E427	include a postdirectional, or the input postdirectional is invalid (not among those listed for the street).
	The input ZIP is missing or invalid. The City directory shows that the input city/state covers two or more ZIP Codes. The ZIP+4 directory has
E428	matches for the address line in at least two of those ZIP Codes. The software can't use the invalid input ZIP to break the tie on the address
0	line, nor use the address line to choose a valid ZIP.
	The input city name is missing or invalid. The ZCF directory shows that the input ZIP applies to two or more city names. The ZIP+4 directory
E429	has matches for the address line in at least two of those citites. The software can't use the input city to break the tie on the address line, nor
	use the address line to choose a city name.
E430	The ZIP+4 directory contains two or more address lines that resemble the input address line. However, the similarity between potential
E430	matches is so close that one cannot be chosen over another.
E431	The ZIP+4 directory contains two or more address lines that resemble the input address line. To break the tie, the Puerto Rican urbanization
	is needed. However, either the input address does not include an urbanization, or the input urbanization is incorrect.
E439	Exact match made in EWS directory.
E500	E500 is a catch-all error code assigned when no more specific code can be assigned. Usually it indicates that no potential match meets the
	minimum confidence level, or that there is an unresolved tie between two or more potential matches.
E501	The address is foreign—that is, not within the domestic U.S., territories, or possessions.
E502	All of the fields used in address look-up are blank. There may be data in non-address fields.
	The input address lies outside the area covered by the ZIP+4 directory. This error usually occurs when a state or regional ZIP+4 directory is
FF0 0	being used, or a custom directory created through the Extract utility. E503 should not occur when using the National directory (zip4us.dir). If it
E503	does, it may mean that you have found a conflict between the City and ZCF directories and the National directory. You should report it to your
	Address Management Systems Office by sending them an e-mail (amsssupport.ncsc@usps.gov).
	The address line matches at least two ZIP+4 records. The ranges of those ZIP+4 records overlap, and the software cannot break the tie.
E504	E504 indicates a flaw in the ZIP+4 database. You should report it to your Address Management Systems Office by sending them an e-mail
LJU4	(amssupport.ncsc@usps.gov).
	The record matches an undeliverable default record. If further information were provided, such as secondary address data or firm name, the
E505	address would have been assigned.
	According to the USPS, no delivery to this address is possible. The address is listed in the ZIP+4 directory, but the record is tagged as
	undeliverable by the USPS. Most often, it might be a cemetery, parking ramp, or condemned building. E600 is unusual because it indicates a
E600	successful match to the ZIP+4 directory. All other error codes mean that there was no match. Undeliverable addresses are tagged as "errors"
	for the convenience of users who suppress mailing to "bad" addresses—unassigned and undeliverable records.
E601	Not a valid delivery point. ZIP+4 removed.
	Some addresses that are valid may be marked incorrectly as undeliverable. This is caused by an error in the USPS data. If you find such an
Note:	address, you should report it to your Address Management Systems Office by sending them an e-mail (amssupport.ncsc@usps.gov).
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Appendix C

NCOA ^{Link} Return Codes
A = COA match
The input record matched to a business, individual or family type master file record. A new address could be returned. 00 = No match
The input record could not be matched to a master file record. A new address could not be returned.
01 = Found COA: Foreign move
The input record matched to a business, individual or family type master file record but the new address was outside USPS delivery area.
02 = Found COA: Moved left no address (MLNA) 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)
The input record matched to a business, individual or family type master file record which contains an old address of 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
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: Conflicting 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 file (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. 09 = Cannot match COA: High-rise default
The input record matched to a family record on the master file 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 file 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 file 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
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 The input record matched to a business, individual or family type match that is present in the daily delete file. No change is returned. Records in the daily delete
file are pending deletion. Reasons include the following: move was filed as family when it should have been individual, move filed that should not have been,

file are pending deletion. Reasons include the following: move was filed as family when it should have been individual, move filed that should not have been, mistakes in data provided to the USPS.

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. The record is a ZIP + 4 street level match.