

# NCOA<sup>Link</sup>® FULL SERVICE PROVIDER LICENSEE PERFORMANCE REQUIREMENTS

## 1. Purpose

- 1.1 The purpose of these performance requirements is to establish standard criteria of performance with which USPS<sup>®</sup> requires NCOA<sup>Link</sup>® Full Service Providers (“Licensees”) to comply. The NCOA<sup>Link</sup> Product will enable Licensees to provide the following address list services:
  - New address when a name and old address match the change of address file
  - Detection of undeliverable addresses due to change of address
- 1.2 Licensee’s matching software must adhere to specific USPS requirements regarding the services as well as to the matching rules and specifications herein. Licensees must utilize CASS Certified™ software for ZIP + 4<sup>®</sup> processing. In addition, Licensee’s NCOA<sup>Link</sup> system will be tested on a periodic basis.

## 2. Product Description and Fulfillment

- 2.1 The NCOA<sup>Link</sup> Product utilizes what is referred to as “hash” tables. The hash tables are secure datasets that will only provide new address information when queried, through use of a software interface, with a specific algorithm of the name and old address from a mailer’s address list which matches the algorithm of the information as it appears on a Change of Address form (PS 3575).
- 2.2 The input algorithm uses a complete name, a 9-digit ZIP + 4 Code and a parsed address to obtain a match to a COA. The NCOA<sup>Link</sup> Product cannot assign a ZIP+4™ nor will it respond to a non-ZIP + 4 coded address.
- 2.3 Licensee is responsible for obtaining all necessary software. A software interface, which must be written or purchased, will customize the type of input format, provide the desired output, and contain appropriate links with ZIP + 4 matching software.
  - 2.3.1 Licensee’s matching software must be able to load updates for all required Products.
- 2.4 Weekly updates containing the full 48-month NCOA<sup>Link</sup> Product datasets will be provided via DVD to Licensees. Licensees shall install the current weekly NCOA<sup>Link</sup> database no later than five (5) business days after receipt. Licensees must utilize the current CASS™ ZIP + 4 product with the NCOA<sup>Link</sup> updates to provide the up-to-date address. Refer to Exhibit A for acceptable use dates of the ZIP + 4 product.

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- 2.5 Weekly updates more than 45 days old shall be destroyed using common practice for disposal of sensitive materials. Examples of acceptable methods of destruction include shredding, punching, incinerating, or breaking the DVDs.
- 2.6 Multiple service processing is required of Full Service Provider Licensees:
- 2.6.1 Additional processes, such as ZIP + 4, DPV<sup>®</sup>, LACS<sup>Link</sup>® and Suite<sup>Link</sup>®, can be run either independently or interactively with NCOA<sup>Link</sup> processing. The software required for processing multiple services may be bundled as a single integrated software package or provided separately for each individual service.
- 2.6.2 Prior to NCOA<sup>Link</sup> processing, input addresses presented to NCOA<sup>Link</sup> must be processed through CASS Certified matching software to obtain ZIP + 4 coded, parsed addresses. The ZIP + 4 coded, parsed result and the corresponding name will be used to query NCOA<sup>Link</sup>. If a LACS<sup>Link</sup> match is made to the original address during CASS processing, Licensees must query the NCOA<sup>Link</sup> Product using the LACS<sup>Link</sup> converted address. ZIP + 4 results must be obtained within the valid window for processing based on the date NCOA<sup>Link</sup> processing is performed and the chart of valid ZIP + 4 dates provided in Exhibit A.
- 2.6.3 Licensees must perform DPV processing. The requirements for DPV processing are set forth in Appendix A of these Licensee Performance Requirements. The DPV Product release must be synchronized with the ZIP + 4 data release.
- 2.6.4 Licensees are required to perform LACS<sup>Link</sup> processing. The requirements are set forth in Appendix B of these Licensee Performance Requirements. The LACS<sup>Link</sup> Product release must be synchronized with the ZIP + 4 data release.
- 2.6.5 Licensees are required to perform Suite<sup>Link</sup> processing on business address lists. The requirements are set forth in Appendix C of these Licensee Performance Requirements. The Suite<sup>Link</sup> Product release must be synchronized with the ZIP + 4 data release.

### **3. General Requirements**

- 3.1 Any Licensee wishing to provide NCOA<sup>Link</sup> processing must first obtain (either by purchase or developer license) a licensed and certified Interface Product. The

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Interface must be reviewed, tested, and approved for use at Licensee's site(s) by USPS prior to any actual NCOA<sup>Link</sup> processing occurring in a production environment to ensure that all license requirements are met. After review and testing, USPS will provide Licensee with written approval (in the form of a License Agreement) of their use of the certified NCOA<sup>Link</sup> system.

- 3.2 Licensee, in order to utilize the NCOA<sup>Link</sup> Product, must meet all requirements and specifications contained within the License Agreement and the most current version of the Licensee Performance Requirements, unless explicitly allowed, prohibited, or modified by USPS in writing. Copies of these documents, the Certification Procedures and any new updates to the documents will be posted on the RIBBS website at [https://ribbs.usps.gov/ncoalink/documents/tech\\_guides/FSP\\_INFO/](https://ribbs.usps.gov/ncoalink/documents/tech_guides/FSP_INFO/).
- 3.3 Licensee must incorporate use of the Daily Delete process into all NCOA<sup>Link</sup> processing. The Daily Delete file is available from the USPS Electronic Product Fulfillment website. Instructions for use of this process must be obtained from the Licensee's software interface supplier.

## **4. Specific Requirements**

- 4.1 Licensees must use USPS certified NCOA<sup>Link</sup> software to access the NCOA<sup>Link</sup> Product.
- 4.2 Licensee must use USPS CASS Certified Address Matching software parsed, standardized output to query the NCOA<sup>Link</sup> Product.
- 4.3 Licensee must adhere to the provisions of Standards of Performance as detailed in Section 8.
- 4.4 Licensees must provide all specific reports as required in Section 9.
- 4.5 Licensees will assign each Mailing List a unique ID as defined in Section 9.2.
- 4.6 Licensees must be capable of:
  - a) Responding to all address inquiries from subscribers and the Licensor.
  - b) Updating the system with full file replacement weekly via DVD.
  - c) Updating ZIP + 4 and City State Products monthly.
  - d) Providing customers with Delivery Point Code Information for all input addresses that are ZIP + 4 coded via ZIP + 4 process and all new addresses returned as a result of a match to NCOA<sup>Link</sup>.

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- e) Offering processing options to clients on basis of file content and process frequency.
  - f) Providing results of additional address hygiene processes as required in Section 2.4.
  - g) Licensee shall provide USPS with access to any resource used in performance of this license and with the necessary equipment and/or reports to monitor performance at Licensee's facility.
  - h) Licensee shall provide the USPS with any changes to contact information.
- 4.7 Licensee shall establish a central email address for receipt and disbursement of USPS electronic correspondence within Licensee's organization.

**5. Basic NCOA<sup>Link</sup> Product Output**

- 5.1 Standardized return codes have been established to provide consistency of products and facilitate USPS evaluation of customer data.
- 5.2 For each address submitted by a customer, Licensee's NCOA<sup>Link</sup> software must be able to return the following output:
- a) Each original unaltered input name and address as it was presented.
  - b) The standardized input address appended with the correct ZIP + 4/DPC, other postal values and any other intelligence flags or footnotes that result from the CASS processing segment.
  - c) For each mailing address for which there is a match to the NCOA<sup>Link</sup> Product, a standardized new address with 11-digit Delivery Point Barcode (DPBC) and standard return codes as listed in Exhibit B.
  - d) When a match is made, the following elements must be returned: the move effective date, the specific name and address utilized in the query that obtained the match, and the move type. The move type is determined by the Interface based on the specific name inquiry utilized to obtain the match.
  - e) For each mailing address for which there is not a match to the NCOA<sup>Link</sup> Product, the Interface shall return all elements as appropriate under items a and b as well as any standard return codes as may be appropriate as listed in Exhibit B.
  - f) The urbanization name information, when applicable.
  - g) The carrier route information for new (updated) addresses.

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- h) DPV results for the input address, if requested.
- i) LACS<sup>Link</sup> results, if requested.
- j) Suite<sup>Link</sup> results, if requested.
- k) Processing summary report containing information to identify the specific list and the statistics resulting from the NCOA<sup>Link</sup> process performed on the list.

**6. Quality Standards and Testing Criteria**

- 6.1 The NCOA<sup>Link</sup> Product will be subject to periodic audit and evaluation of the organization's NCOA<sup>Link</sup> process and its adherence to the conditions of the NCOA<sup>Link</sup> License Agreement. Please note that the USPS audit file must be processed through the same NCOA<sup>Link</sup> system, including any and all pre- and/or post-processes, Licensees utilize for customer processing.
- 6.2. The NCOA<sup>Link</sup> software will provide the necessary output as described in Section 5 utilizing the specific USPS format as described in Exhibit C. Upon notification of the transmission of an audit file, it can be retrieved from Licensee's specific USPS account via the internet. Licensee's output file and supporting documentation derived from the NCOA<sup>Link</sup> process will be posted to the same account.
- 6.3. The audit file will test Licensee's NCOA<sup>Link</sup> software with a series of known forwardable addresses and known non-forwardable addresses to validate Licensee's ability to query the NCOA<sup>Link</sup> Product and return the appropriate output and responses.
- 6.4. The audit will also verify the administrative output of the NCOA<sup>Link</sup> process.
- 6.5. Auditing will be performed once annually or as specified by USPS. If necessary, subsequent audits due to failures must be completed within the annual license period to prevent suspension and/or termination.
- 6.6. Upon validation of the results, Licensee will receive official audit results from USPS.
- 6.7. The system shall provide accurately matched responses for at least 99% of the inquiries where data to support these responses are known to be in the USPS file and shall produce no unexpected matches.
  - a) The percentage of audit file input name and address records that achieve the correct result shall not be less than 99% when compared to USPS expected results.

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- b) The audit file output shall not result in a match that is not expected and would result in returning incorrect information that would eventually cause the misdirection of mail.
  - c) The audit file output must correctly provide all NCOA<sup>Link</sup> elements with 100% accuracy.
- 6.8. In the event that a problem is identified by USPS that is related to the NCOA<sup>Link</sup> process, USPS will, at its sole discretion, direct correction of the problem and/or exercise the suspension or termination provisions of the License, as it deems appropriate by the situation.
- 6.8.1. When directed to correct deficiencies, Licensee will be given 30 days from the date of the notification in which to remedy the deficiencies and retest.
  - 6.8.2. If Licensee fails to remedy the deficiencies within 30 days, a suspension notice will be issued. The suspension notice will direct Licensee to cease all NCOA<sup>Link</sup> activities during the term of suspension and remedy all deficiencies within 60 days to regain good standing. USPS will also discontinue data fulfillment during the term of suspension.
  - 6.8.3. At the end of the term of suspension, the License Agreement between Licensee and USPS will be terminated if Licensee has not successfully remedied all deficiencies.

**7. *Maintaining Full Service Qualification***

- 7.1. More than fifty percent (50%) of all addresses processed through NCOA<sup>Link</sup> by Licensee must be for unrelated Entities (“external processing”). At least once annually, a review of all processing will be performed by USPS to determine that Licensee meets this requirement.
- 7.2. If external processing levels fall below this level, USPS will issue a warning to Licensee for this level to be raised within 90 days.
- 7.3. If subsequent review reveals that Licensee has been unsuccessful in attaining this level, Licensee will be given the option at the end of the Term of the Agreement to 1) change their service level from Full Service Provider to Limited Service Provider or 2) terminate their NCOA<sup>Link</sup> License Agreement.
- 7.4. If Licensee elects to terminate the License Agreement, USPS may refund the unused pro-rated portion of the license fee by request from Licensee within thirty (30) days of the effective date of the termination.

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- 7.5. Any Licensee whose license is terminated, voluntarily or involuntarily, will be ineligible to obtain another NCOA<sup>Link</sup> License Agreement for a period of five (5) years.

**8. Standards of Performance**

- 8.1. Licensee must, prior to processing any Mailing List through NCOA<sup>Link</sup>, have on file for each customer submitting a Mailing List, a fully executed Processing Acknowledgment Form (PAF). In addition, the customer must be provided with a copy of the PAF along with the Required Text Document (see the sample PAF in Exhibit D and the Required Text Document in Exhibit F). Original hardcopies of these executed forms shall be maintained by Licensee and made available for Postal Service<sup>®</sup> review for a period of 6 years from date of execution. Licensee will reproduce and provide this form and the Required Text Document to its customers at its own expense annually.
- 8.1.1. For storage and retrieval purposes, hardcopy PAF documents may be scanned and stored electronically allowing Licensee to store or archive the original completed documents either on-site or off-site in a secure location. Images of scanned documents may be used to satisfy audit requirements. Licensee must be able to retrieve the original documents upon request from USPS.
- 8.2. Licensee must process and return all customer address list files within seven (7) business days of receipt unless a longer period is specified by the customer in writing. (Business days are defined as Monday through Friday.) The fulfillment cycle starts the day the customer file is received by Licensee.
- 8.3. Licensee must maintain a service log, which will include the PAF ID as prescribed in Section 9.2. These service logs will be maintained and be made available for Postal Service review for a period of 5 years. The customers' written requests for longer turnaround times shall be reported on the log, maintained with the hardcopy PAFs, and retained for six (6) years. This service log shall also be kept on a computer file and shall be submitted to USPS electronically on a monthly basis (see Exhibit H for format).
- 8.4. Licensee shall determine the necessary staffing level and shall be capable of adjusting the number of supervisory and operational personnel to accommodate variations in the volume of customer requirements. The Postal Service cannot

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forecast the volume or the schedule of names and addresses received from mailers, nor will the Postal Service attempt to direct mailer inquiries to any particular Licensee.

- 8.5. Licensee shall repair or have repaired all equipment, hardware and/or software deficiencies related to the NCOA<sup>Link</sup> system within 30 days of identification of said deficiencies.
- 8.6. Since multiple NCOA<sup>Link</sup> License awards are anticipated, the marketplace will establish a competitive price for the service. However, the intent of the U.S. Postal Service is that this service will be widely available at reasonable cost to customers.
- 8.7. Licensees are permitted to "bundle" services such as CRIS and merge/purge along with NCOA<sup>Link</sup>. Charges for such add-on services must be separated from NCOA<sup>Link</sup>, but may be consolidated on one bill provided to Licensee's customer.
- 8.8. Licensee is responsible for providing all necessary customer support for its Services. Licensee's customers requiring technical information must contact a customer service group managed by Licensee. Licensee's customer service group shall be responsible for providing resolution to all inquiries concerning the processing output.
- 8.9. It shall be Licensee's responsibility to ensure that its customers understand the NCOA<sup>Link</sup> process and output. Each customer wishing to subscribe to NCOA<sup>Link</sup> must be provided with a product/service brochure by Licensee. This brochure must explain the NCOA<sup>Link</sup> process in detail. The Postal Service will provide Licensee with the required text that, in addition to Licensee's own marketing material, must be included in, or with, its product/service brochure. Inclusion of the Required Text information in the product/service brochure provided to the customers shall be at Licensee's own expense. This required text may be revised by the Postal Service from time to time without prior notice to Licensees. Required text revisions shall be provided to Licensee customers within 30 days of receipt from the Postal Service. The Required Text document is included in the Licensee Performance Requirements as Exhibit F and will be posted on the USPS designated web site at [https://ribbs.usps.gov/ncoalink/documents/tech\\_guides/FSP\\_INFO/SVC\\_PROV\\_RTD.PDF](https://ribbs.usps.gov/ncoalink/documents/tech_guides/FSP_INFO/SVC_PROV_RTD.PDF).
- 8.10. Pursuant to the advertising guidelines of the License Agreement, each approved advertisement must contain the document tracking number assigned by USPS during the review and approval processes. For specific information with regard to

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the review and approval process, please reference the Advertising Technical Guide on the RIBBS website at

[https://ribbs.usps.gov/ncoalink/documents/tech\\_guides/ADVERTISING\\_TECHNICAL\\_GUIDE.PDF](https://ribbs.usps.gov/ncoalink/documents/tech_guides/ADVERTISING_TECHNICAL_GUIDE.PDF).

- 8.11. Licensee is responsible for redistributing license related electronic correspondence from USPS to the appropriate personnel within Licensee's organization. Pursuant to Paragraph 4.7, all electronic correspondence will be directed to a central email address within Licensee's organization. The email address must be [ncscinfo@<yourcompany.com>](mailto:ncscinfo@<yourcompany.com>). In the event that this address is already assigned for some other purpose, an alternate address must be submitted to USPS for approval. Licensee will subsequently distribute all applicable USPS notifications internally to ensure receipt by the proper staff. Such correspondence will also be sent to the pertinent contacts provided during the application process but in the event of "bounce backs" successful delivery via the central email address will be considered confirmation of receipt.

## **9. Reports**

- 9.1. Prior to any NCOA<sup>Link</sup> processing, and once annually thereafter, Licensee shall obtain a complete and signed copy of the PROCESSING ACKNOWLEDGEMENT FORM (PAF) from each of its customers and for any internal mailing lists processed. The form is intended to be prepared by Licensee who is actually performing the NCOA<sup>Link</sup> service to ensure that it will contain that company's name and officer's signature. This form is also intended to be signed by the **list owner** whose address list is being processed. A faxed PAF from each location will be acceptable. The USPS does not at this time endorse any particular electronic alternate methods for verification of client identity. Any electronic system that meets these requirements is sufficient. The Licensee will decide what methods best suit their business needs and address their business risk, while still maintaining the appropriate PAF information. Licensee may implement multiple methods for verification based on the Licensee's business needs. All information from the forms is to be maintained in an electronic format for the purposes of customer validation and reporting. The data and completed forms are to be maintained by Licensee and made available for Postal Service review for a period

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of six (6) years from the date of execution. Exhibit D contains an example of the PAF and the associated data file layout is part of Exhibit H.

9.1.1. Every PAF distributed must be accompanied by a product information package which includes, at a minimum, the Required Text Document as described in Section 8.9 above.

9.1.2. In the event the USPS, at its sole discretion, determines a Licensee is not diligently verifying the identity and role all parties involved in the transaction (including, but not limited to, brokers and list owners) when using equivalent electronic methods, the USPS reserves the right to require the Licensee to revert to the traditional paper method of PAF completion. Any method used by a Licensee for verification under this new ruling applies ONLY to PAF collection under the NCOA<sup>Link</sup> Full Service License Agreement. There is no implied or implicit application of this ruling to ANY relationship, practice or agreement between the USPS and the Licensee. The USPS offers a wide range of services to its customers, and separately sets the appropriate requirements for each of these services, including electronic processes.

9.1.3. For specific information regarding completion of PAFs, please reference the PAF Guide on the RIBBS website at [https://ribbs.usps.gov/ncoalink/documents/tech\\_guides/PAF\\_GUIDE.PDF](https://ribbs.usps.gov/ncoalink/documents/tech_guides/PAF_GUIDE.PDF).

9.2. Licensee will assign each NCOA<sup>Link</sup> customer file, list, or database a unique NCOA<sup>Link</sup> PAF ID. This ID will be used by the software to verify that the customer has a valid, active PAF on file with Licensee. This ID will also be used to provide a relationship between Licensee's service log and PAF information files. The format of the ID will be an eighteen character alphanumeric field consisting of four sub-parts. Positions 1-4 are alpha and will identify Licensee to USPS and will be assigned to Licensee by USPS. Positions 5-10 are numeric and will identify the business in which the list owner engages by the North American Industry Classification System (NAICS). The list owner may obtain the appropriate NAICS from the internet at [www.census.gov/epcd/www/naics.html](http://www.census.gov/epcd/www/naics.html). Positions 11-12 are numeric and will identify the frequency of NCOA<sup>Link</sup> processing on an annual basis (value range 01-52). If multiple selects from a master list are processed at different frequencies under the same ID, positions 11-12 must contain "99." Positions 13-18 may be alpha, numeric, or alphanumeric and will identify the Mailing List to Licensee and to USPS; this portion of the ID is assigned by Licensee. This ID will

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be used to streamline USPS disclosure accounting procedures. Licensee will ensure that each of their customers has a unique and never duplicated PAF ID. The software must not allow duplicate IDs. The ID shall be assigned by Licensee upon execution of the Processing Acknowledgement Form and be used throughout the system as prescribed. The unique and complete 18-character PAF ID will be recorded on the PAF. The form will not be complete and acceptable if this ID is omitted or erroneous.

- 9.2.1. A single PAF may be completed to cover processing for all lists submitted by the list owner provided that the official signing the document has the authority to do so for each separate list. If multiple lists are covered by a single PAF, Licensee must record "MULTIPLE" in the space provided for the PAF ID on the pre-printed PAF. When "MULTIPLE" appears as the PAF ID, an itemization of the list names and corresponding PAF IDs assigned to each must be recorded on the back of the PAF.
- 9.3. NCOA<sup>Link</sup> service requests submitted on behalf of mail list owners by third parties must be fully disclosed and duly recorded on the appropriate PAF. Each of these third parties must be assigned a unique ID similar to the format of the PAF ID. The third party ID will be a sixteen character alphanumeric field consisting of three sub-parts excluding the 2-digit processing frequency recorded in the PAF ID.
  - 9.3.1. Under no circumstances shall a third party Broker, Agent, or List Administrator be considered the Mailing List owner nor have the authority to sign on behalf of the Mailing List owner.
- 9.4. The Combined PAF and Required Text documents (see the sample PAF in Exhibit E and the Combined Required Text documents in Exhibit G) for Full and Limited Service Providers are available for Limited Service Providers who broker NCOA<sup>Link</sup> processing services to Full Service Providers. This PAF is designed for list owners who submit their files for processing primarily to Limited Service Providers, who in turn submit list owners' files to Full Service Providers occasionally for 48-month processing. This PAF may also be used by Limited Service Providers to submit ANK<sup>Link</sup> files to Full Service Providers for further processing. For more information on the Combined PAF, please refer to the PAF Guide on the RIBBS website at [https://ribbs.usps.gov/ncoalink/documents/tech\\_guides/PAF\\_GUIDE.PDF](https://ribbs.usps.gov/ncoalink/documents/tech_guides/PAF_GUIDE.PDF).
  - 9.4.1. The Combined PAF is intended solely for use by NCOA<sup>Link</sup> Service Providers and shall not be utilized by third-party brokers.

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- 9.4.2. To utilize the Combined PAF, Limited Service Providers must have a direct relationship with the List Owner.
- 9.4.3. All list owners' files must be processed by the same Full Service Provider that is listed on the Combined PAF.
- 9.4.4. Foreign-based companies are strictly prohibited from using the Combined PAF; there are no exceptions.
- 9.5. Licensees performing NCOA<sup>Link</sup> processing for cooperative databases must have a PAF on file for each participant in the cooperative database. The company that hosts the cooperative database must appear as the List Administrator. If the cooperative database host company is also a database participant, the PAF for the host company shall not list the host company as the List Administrator. Licensees are not allowed to process cooperative databases under a single PAF or as an internal file even if the host company is also a participant in the cooperative database. Licensees are permitted to process cooperative databases under a single PAF ID.
  - 9.5.1. It is strictly prohibited for Licensees to select new movers from a cooperative database.
- 9.6. Licensee shall produce monthly performance reports by site and/or system platform. The reports begin on the first day of the month and terminate on the last day of the month. The reports will be maintained and made available for Postal Service review for a period of five (5) years at Licensee's facility. The reports must be submitted within seven (7) calendar days of the end of the month via electronic submission to [ncoastat@usps.gov](mailto:ncoastat@usps.gov). The subject line must include the following: Licensed Company Name and Month/Year of the report, i.e. ABC Company March 2010. All reports must be zipped into a single file with the naming convention XXXXMYYY.zip (Platform ID, Month, Year) using a WinZIP version 9.0 compatible format. The electronic report file layouts are provided as Exhibit H. Performance reports include:
  - 9.6.1. Customer Service Log – record of all Mailing Lists processed through the NCOA<sup>Link</sup> service and the resultant statistics. Requirement: one record per Mailing List processed.
  - 9.6.2. PAF Customer Information Log – record of all customer information contained on the PAF and significant ID and date information of Licensee

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and applicable third parties. Minimum Requirement: one record per PAF ID appearing in the corresponding Customer Service Log.

9.6.3. Broker/Agent / List Administrator Log – record of all third party List Brokers/Agents and/or List Administrators handling the address lists of their clients that are processed through the NCOA<sup>Link</sup> service. Minimum Requirement: one record per third party ID appearing in the PAF Customer Information Log.

9.7. The monthly performance reports will be named using a four-part eight-character identification scheme. The first character will identify the report: "C" for Customer Service Log, "P" for PAF Customer Information Log or "B" for Broker/Agent / List Administrator Log. Characters 2-5 will contain Licensee's USPS-assigned four-character platform identification code. The sixth character will identify the month of the report as indicated in the chart below. The last two characters will identify the year of the report by the last two digits of the calendar year.

<b>Month</b>	<b>Code</b>
January	1
February	2
March	3
April	4
May	5
June	6
July	7
August	8
September	9
October	A
November	B
December	C

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9.8. NCOA<sup>Link</sup> is intended solely for use as a Mailing List update tool. Testing of any kind using NCOA<sup>Link</sup> is generally discouraged by USPS. However, USPS does acknowledge that certain testing is necessary. In an effort to obtain an accurate statistical reporting regarding addresses updated by NCOA<sup>Link</sup>, the type of processing must be accurately and consistently recorded. Therefore, the following list of codes must be used to populate the "PROCESSING CATEGORY" field in the service log:

<b>Code</b>	<b>Description</b>	<b>Disposition of Results</b>
EMP TRAIN	File processed as part of employee training.	Results discarded; no update performed or information released.
INT DB TST	Testing involving proprietary Licensee database.	No updates performed; results discarded after analysis.
MKTG TEST	Testing involving external customer lists. No PAF is required; however the company name for which processing was performed must be captured in the CSL in position 1423-1452.	Return information consists of statistics only; COA data is discarded as sensitive data, not returned to customer.
NORMAL	Process mailing list for update prior to mailing.	COA information provided to mailer and/or mailer's representative.
STAGE I	Test of matching performance against USPS self-test file.	Results used for internal program analysis and subsequently discarded.
STAGE II	Test of matching performance scored by USPS.	Output transmitted to USPS for evaluation and discarded when test results finalized.
SYS TEST	File processed as part of system testing such as loading of USPS file updates.	Results discarded; no updates performed or information released.

9.9. Licensee must provide a hardcopy report to each customer summarizing the processing of each mailing list processed. The report shall be named NCOA<sup>Link®</sup> Processing Summary Report. The report may contain any and all information gathered to fulfill the requirements of Section 10.4. At a minimum, the processing summary must contain:

- Licensee Company Name
- PAF ID
- Mailer Company Name
- File/List/Database Name
- Processing Category

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- Pre-Processes Performed flag
- Concurrent Processes Performed flag
- Post-Processes Performed flag
- Standard Output Returned flag
- Matching Logic Applied flag
- Data Returned flag
- Class of Mail
- Date NCOA<sup>Link</sup> Processing Completed
- Date File Returned to Customer
- Total Number of Records Processed
- Total Number of Records Matched
- Total Number of Records ZIP + 4<sup>®</sup> Coded
- Total Number of Records DPV<sup>®</sup> Confirmed
- Total Number of Records LACS<sup>Link</sup>® Matched
- Total Number of Records Suite<sup>Link</sup>® Matched
- Move Activity Summary by Return Codes – This section consists of 15 data elements providing a Move Activity Summary (Age of Change of Address) for the nine NCOA<sup>Link</sup> Match Return Codes.
  - The Return Codes are separated into three groupings:
    - Moved, New Address Provided (Return Codes A, 91 & 92)
    - Moved, No New Address Available (Return Codes 01, 02 & 03)
    - Moved, Unable to Provide New Address (Return Codes 05, 14 & 19)
  - The Move Effective Dates are separated into five groupings:
    - Sum of Months 00 – 03
    - Sum of Months 04 – 06
    - Sum of Months 07 – 12
    - Sum of Months 13 – 18
    - Sum of Months 19 and older
- Listing of all processes used in obtaining final results

**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

**Exhibit A  
ZIP + 4<sup>®</sup> Product Use Dates**

Per the DMM<sup>®</sup>, the ZIP + 4 and City/State data must be updated within 45 days of the release date. Licensees are required to update these files on a monthly basis. The following chart is provided to assist in determining which data release is current.

<b>Release</b>	<b>Required Use Date</b>	<b>Last Use Date</b>
January 15	March 1	March 31
February 15	April 1	April 30
March 15	May 1	May 31
April 15	June 1	June 30
May 15	July 1	July 31
June 15	August 1	August 31
July 15	September 1	September 30
August 15	October 1	October 31
September 15	November 1	November 30
October 15	December 1	December 31
November 15	January 1	January 31
December 15	February 1	February 28 (Feb 29 in leap year)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

**Exhibit B  
NCOA<sup>Link®</sup> Return Code Descriptions**

Code = Return Code

Address = "Y" = New Address provided

"N" = New Address not provided

Description = Explanation of Return code

How = "D" = Derived by data – returned in lieu of 11 digit

"S" = Derived by software

<b>Code</b>	<b>Description</b>	<b>Address</b>	<b>How</b>
A	<b>COA Match</b> - The input record matched to a COA record. A new address could be furnished.	Y	D
00	<b>No Match</b> - The input record COULD NOT BE matched to a COA record. A new address could not be furnished.	N	D
01	<b>Found COA: Foreign Move</b> – The input record matched to a COA record but the new address was outside USPS® delivery area.	N	D
02	<b>Found COA: Moved, Left No Address (MLNA)</b> – The input record matched to a COA record, but the new address was not provided to USPS.	N	D
03	<b>Found COA: Box Closed, No Order (BCNO)</b> – The Input record matched to a COA record containing an old address of PO BOX, which has been closed without a forwarding address provided.	N	D
04	<b>Cannot match COA: Street Address with Secondary</b> – In the STANDARD mode utilizing Family matching logic the input record was a potential match to a family type COA record with an old address that contained secondary information. The input record does not contain secondary information. The record is a ZIP + 4® street level match. This address match situation requires individual name matching logic to obtain a match and individual names do not match.	N	D
05	<b>Found COA: New 11-digit DPBC is Ambiguous</b> – The input record matched to a COA record. The new address on the COA record could not be converted to a deliverable address because the DPBC represents more than one delivery point.	N	D
06	<b>Cannot Match COA: Conflicting Directions: Middle Name Related</b> –There is more than one COA 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.	N	D
07	<b>Cannot Match COA: Conflicting Directions: Gender Related</b> –There is more than one COA 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.	N	D
08	<b>Cannot Match COA: Other Conflicting Instructions</b> – The input record was a potential match to two COA records. The two records were compared and due to differences in the new addresses, a match could not be made.	N	D
09	<b>Cannot Match COA: High-rise Default</b> – The input record was a potential match to a family COA record 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.	N	D
10	<b>Cannot Match COA: Rural Default</b> – The input record was a potential match to a family COA record 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.	N	D
11	<b>Cannot Match COA: Individual Match: Insufficient COA Name for Match</b> – There is a COA record with the same surname and address but there is insufficient first/middle name information on the COA record to produce a match using individual matching logic.	N	D

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

**Exhibit B – NCOA<sup>Link</sup> Return Code Descriptions – continued**

<b>Code</b>	<b>Description</b>	<b>Address</b>	<b>How</b>
12	<b>Cannot Match COA: Middle Name Test Failed</b> – The input record was a potential match to a COA record. A match cannot be made because the input name contains a conflict with the middle name or initials on the COA record.	N	S
13	<b>Cannot Match COA: Gender Test Failed</b> – The input record was a potential match to a COA 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 COA record.	N	S
14	<b>Found COA: New Address Would Not Convert at Run Time</b> – The input record matched to a COA record. The new address could not be converted to a deliverable address.	N	S
15	<b>Cannot Match COA: Individual Name Insufficient</b> – The input record was a potential match to a COA record that contains a first initial and middle initial/name [ex. C M Smith or C Mary Smith]. A match cannot be made because the input middle initial/name is missing or does not equal the middle initial/name on the COA.	N	S
16	<b>Cannot Match COA: Secondary Number Discrepancy</b> – The input record was a potential match to a street level COA record. However, a match is prohibited based on one of the following reasons: 1) There is conflicting secondary information on the input and COA 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.	N	S
17	<b>Cannot Match COA: Other Insufficient Name</b> – The input record was a potential match to a COA record that contains a full first name and full middle name. The input middle initial/name is missing or different from the middle name on the COA. A match cannot be made because the first name on the COA was truncated (drop-n flag) and the middle names must be equal in order to make this match.	N	S
18	<b>Cannot Match COA: General Delivery</b> – The input record was a potential match to a COA record from a General Delivery address. This address situation requires individual name matching logic to obtain a match and individual names do not match.	N	D
19	<b>Found COA: New Address not ZIP + 4 coded, New address primary number not DPV confirmable or Temporary Change Of Address</b> – 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.	N	D
20	<b>Cannot Match COA: Conflicting Directions after re-chaining</b> – Multiple COA records were potential matches to the input record. The COA records contained different new addresses and a single match result could not be determined.	N	D
66	<b>Daily Delete</b> – The input record matched to a business, individual or family type COA 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 record with this address is pending deletion from the COA master file and that <u>no</u> mail may be forwarded from this address.	N	S
91	<b>COA Match: Secondary Number dropped from COA</b> – The input record matched to a COA record. The COA record had a secondary number and the input address did not.	Y	S
92	<b>COA Match: Secondary Number Dropped from input address</b> – The input record matched to a COA record. The input record had a secondary number and the COA record did not. The record is a ZIP + 4 street level match.	Y	S

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

**Exhibit B – NCOA<sup>Link</sup> Return Code Descriptions – continued**

**Other Return Code Descriptions**

<b>Code</b>	<b>Description</b>	<b>Process</b>
AA	Input Address ZIP+4™ match	ZIP+4
A1	Input Address ZIP+4 not matched	ZIP+4
M1	Input Address Primary Number Missing	DPV
M3	Input Address Primary Number Invalid	DPV
P1	Input Address Missing PO, RR, or HC Box number	DPV
P3	Input Address PO, RR, or HC Box number invalid	DPV
BB	Input Address DPV® matched (all components)	DPV
RR	Input Address DPV matched to CMRA	DPV
CC	Input Address DPV Primary Number match, Secondary Number not Matched (secondary number present but is not DPV confirmed)	DPV
N1	Input Address DPV Primary Number match, High-rise Address Missing Secondary Number	DPV
R1	Input Address DPV matched to CMRA but PMB Number not Present	DPV
F1	Input Address matched to a Military Address	DPV
G1	Input Address matched to a General Delivery Address	DPV
U1	Input Address matched to a Unique ZIP Code	DPV

\*Note: These codes are all generated during the DPV process. The Process indicator of “ZIP+4” or “DPV” denotes from which portion of DPV processing the return codes was generated.

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

**Exhibit C  
Audit/Test File Layouts**

TEST CLIENT INPUT FILE HEADER RECORD				
RECORD FROM	POSITION TO	FIELD NAME	LENGTH	COBOL
1	8	NCSC AUDIT FILE CREATED DATE(YYYYMMDD)	8	9(08)
9	14	NCSC AUDIT FILE CREATED TIME(HHMMSS)	6	9(06)
15	18	NCSC AUDIT FILE NUMBER	4	9(04)
19	26	NCSC NCOA <sup>Link</sup> RELEASE DATE	8	9(08)
27	34	NCSC ZIP+4 <sup>TM</sup> RELEASE DATE	8	9(08)
35	42	NCSC DPV <sup>®</sup> RELEASE DATE	8	9(08)
43	43	NCSC TYPE (Audit, Certification, Stage)	1	X(01)
44	297	FILLER	254	X(254)
298	298	RECORD TYPE (Header/Detail) (H,D)	1	X(01)
299	300	CARRIAGE RETURN LINE FEED	2	X(02)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

TEST CLIENT INPUT FILE DETAIL RECORD				
RECORD FROM	POSITION TO	FIELD NAME	LENGTH	COBOL
1	28	INPUT CUSTOMER KEY	28	X(28)
29	29	INPUT NAME PARSED (Y,N)	1	X(01)
30	95	INPUT CUSTOMER NAME	66	X(66)
	NOTE:	The information found in the INPUT CUSTOMER NAME will be fixed length. The data contained within the field may be presented as a single field or it may be parsed. If the name is a business, then the name will start in the first position.		
30	35	INPUT PREFIX TITLES	6	X(06)
36	50	INPUT CUSTOMER FIRST NAME	15	X(15)
51	65	INPUT CUSTOMER MIDDLE NAME	15	X(15)
66	85	INPUT CUSTOMER LAST NAME	20	X(20)
86	91	INPUT SUFFIX TITLES	6	X(06)
92	95	FILLER	4	X(04)
96	96	INPUT ADDRESS PARSED (Y,N)	1	X(01)
97	124	INPUT CUSTOMER URBANIZATION NAME	28	X(28)
125	191	INPUT CUSTOMER ADDRESS	67	X(67)
	NOTE:	The information found in the INPUT CUSTOMER ADDRESS will be fixed length. The data contained within the field may be presented as a single field or it may be parsed.		
125	134	INPUT PARSED PRIMARY NUMBER	10	X(10)
135	136	INPUT PARSED PRE-DIRECTIONAL	2	X(02)
137	164	INPUT PARSED PRIMARY NAME	28	X(28)
165	168	INPUT PARSED SUFFIX	4	X(04)
169	170	INPUT PARSED POST-DIRECTIONAL	2	X(02)
171	174	INPUT PARSED UNIT DESIGNATOR	4	X(04)
175	182	INPUT PARSED SECONDARY NUMBER	8	X(08)
183	191	FILLER	9	X(09)
192	192	INPUT LAST LINE PARSED (Y,N)	1	X(01)
193	234	CUSTOMER LAST LINE	42	X(42)
	NOTE:	The information found in the INPUT CUSTOMER LAST LINE will be fixed length. The data contained within the field may be presented as a single field or it may be parsed.		
193	220	INPUT CITY NAME	28	X(28)
221	222	INPUT STATE	2	X(02)
223	227	INPUT FIVE DIGIT ZIP	5	X(05)
228	231	INPUT ZIP+4 ADDON	4	X(04)
232	234	FILLER	3	X(03)
235	297	FILLER	63	X(63)
298	298	RECORD TYPE (Header/Detail) (H,D)	1	X(01)
299	300	CARRIAGE RETURN LINE FEED	2	X(02)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

TEST CLIENT OUTPUT FILE HEADER RECORD				
RECORD FROM	POSITION TO	FIELD NAME	LENGTH	COBOL
1	8	NCSC AUDIT FILE CREATED DATE(YYYYMMDD)	8	9(08)
9	14	NCSC AUDIT FILE CREATED TIME(HHMMSS)	6	9(06)
15	18	NCSC AUDIT FILE NUMBER	4	9(04)
19	26	NCSC NCOA <sup>Link</sup> RELEASE DATE	8	9(08)
27	34	NCSC ZIP+4 RELEASE DATE	8	9(08)
35	42	NCSC DPV RELEASE DATE	8	9(08)
43	43	NCSC TYPE (Audit, Certification, Stage)	1	X(01)
44	298	FILLER	255	X(255)
299	306	OUTPUT AUDIT FILE CREATED DATE(YYYYMMDD)	8	9(08)
307	312	OUTPUT AUDIT FILE CREATED TIME(HHMMSS)	6	9(06)
313	320	PROCESSED AGAINST NCOA <sup>Link</sup> RELEASE DATE	8	9(08)
321	328	PROCESSED AGAINST ZIP+4 RELEASE DATE	8	9(08)
329	336	PROCESSED AGAINST DPV RELEASE DATE	8	9(08)
337	340	PROCESSED ON PLATFORM ID	4	X(04)
341	997	FILLER	657	X(657)
998	998	RECORD TYPE (Header/Detail) (H,D)	1	X(01)
999	1000	CARRIAGE RETURN LINE FEED	2	X(02)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

TEST CLIENT OUTPUT FILE DETAIL RECORD (Page 1 of 2)				
RECORD FROM	POSITION TO	FIELD NAME	LENGTH	COBOL
1	28	INPUT CUSTOMER KEY	28	X(28)
29	29	INPUT NAME PARSED (Y,N)	1	X(01)
30	95	INPUT CUSTOMER NAME	66	X(66)
	NOTE:	The information found in the INPUT CUSTOMER NAME will be fixed length. The data contained within the field may be presented as a single field or it may be parsed. If the name is a business, then the name will start in the first position.		
30	35	INPUT PREFIX TITLES	6	X(06)
36	50	INPUT CUSTOMER FIRST NAME	15	X(15)
51	65	INPUT CUSTOMER MIDDLE NAME	15	X(15)
66	85	INPUT CUSTOMER LAST NAME	20	X(20)
86	91	INPUT SUFFIX TITLES	6	X(06)
92	95	FILLER	4	X(04)
96	96	INPUT ADDRESS PARSED (Y,N)	1	X(01)
97	124	INPUT CUSTOMER URBANIZATION NAME	28	X(28)
125	191	INPUT CUSTOMER ADDRESS	67	X(67)
	NOTE:	The information found in the INPUT CUSTOMER ADDRESS will be fixed length. The data contained within the field may be presented as a single field or it may be parsed.		
125	134	INPUT PARSED PRIMARY NUMBER	10	X(10)
135	136	INPUT PARSED PRE-DIRECTIONAL	2	X(02)
137	164	INPUT PARSED PRIMARY NAME	28	X(28)
165	168	INPUT PARSED SUFFIX	4	X(04)
169	170	INPUT PARSED POST-DIRECTIONAL	2	X(02)
171	174	INPUT PARSED UNIT DESIGNATOR	4	X(04)
175	182	INPUT PARSED SECONDARY NUMBER	8	X(08)
183	191	FILLER	9	X(09)
192	192	INPUT LAST LINE PARSED (Y,N)	1	X(01)
193	234	CUSTOMER LAST LINE	42	X(42)
	NOTE:	The information found in the INPUT CUSTOMER LAST LINE will be fixed length. The data contained within the field may be presented as a single field or it may be parsed.		
193	220	INPUT CITY NAME	28	X(28)
221	222	INPUT STATE	2	X(02)
223	227	INPUT FIVE DIGIT ZIP	5	X(05)
228	231	INPUT ZIP+4 ADDON	4	X(04)
232	234	FILLER	3	X(03)
235	298	FILLER	64	X(64)
	NOTE:	The following fields reflect the results of input name after the utilization of a name parser. This is the final parsed name information utilized in the process which was responsible for the final result. If the name is a business, then the name will start in the first position. If no match (return code 00) then this field will be blank.		
299	304	QUERY PREFIX TITLE	6	X(06)
305	319	QUERY CUSTOMER FIRST NAME	15	X(15)
320	334	QUERY CUSTOMER MIDDLE NAME	15	X(15)
335	354	QUERY CUSTOMER LAST NAME	20	X(20)
355	360	QUERY SUFFIX TITLE	6	X(06)

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TEST CLIENT OUTPUT FILE DETAIL RECORD (Page 2 of 2)				
RECORD FROM	POSITION TO	FIELD NAME	LENGTH	COBOL
	NOTE:	The following fields reflect the results of the input address after the utilization of a certified CASS ZIP+4 system. This is the final address information that was utilized in the process which was responsible for the final result.		
361	388	QUERY PARSED URBANIZATION NAME	28	X(28)
389	398	QUERY PARSED PRIMARY NUMBER	10	X(10)
399	400	QUERY PARSED PRE-DIRECTIONAL	2	X(02)
401	428	QUERY PARSED PRIMARY NAME	28	X(28)
429	432	QUERY PARSED SUFFIX	4	X(04)
433	434	QUERY PARSED POST-DIRECTIONAL	2	X(02)
435	438	QUERY PARSED UNIT DESIGNATOR	4	X(04)
439	446	QUERY PARSED SECONDARY NUMBER	08	X(08)
447	474	QUERY PARSED CITY NAME	28	X(28)
475	476	QUERY PARSED STATE	2	X(02)
477	481	QUERY FIVE DIGIT ZIP	5	X(05)
482	485	QUERY ZIP+4 ADDON	4	X(04)
486	513	RESULT PARSED URBANIZATION NAME	28	X(28)
514	523	RESULT PARSED PRIMARY NUMBER	10	X(10)
524	525	RESULT PARSED PRE-DIRECTIONAL	2	X(02)
526	553	RESULT PARSED PRIMARY NAME	28	X(28)
554	557	RESULT PARSED SUFFIX	4	X(04)
558	559	RESULT PARSED POST-DIRECTIONAL	2	X(02)
560	563	RESULT PARSED UNIT DESIGNATOR	4	X(04)
564	571	RESULT PARSED SECONDARY NUMBER	08	X(08)
572	599	RESULT PARSED CITY NAME	28	X(28)
600	601	RESULT PARSED STATE	2	X(02)
602	606	RESULT FIVE DIGIT ZIP	5	X(05)
607	610	RESULT ZIP+4 ADDON	4	X(04)
611	613	RESULT DBPC (including check digit)	3	X(03)
614	617	RESULT CARRIER RTE	4	X(04)
618	618	*RESULT DROP FLAG	1	X(01)
619	619	*RESULT DROP N FLAG	1	X(01)
620	625	RESULT MOVE EFFECTIVE DATE	6	X(06)
626	627	*RESULT MIDDLE NAME/Initials(returned from NCOA/Link)	2	X(02)
628	628	*RESULT GENDER (returned from NCOA/Link)	1	X(01)
629	636	*RESULT HINT BYTE (after expansion)	8	X(08)
637	638	RESULT NCOA LINK FOOTNOTE	2	X(02)
639	640	RESULT ZIP+4 FOOTNOTE	2	X(02)
641	642	RESULT DPV FOOTNOTE	2	X(02)
643	658	HEX VALUE OF THE EMDP (from input address)	16	X(16)
659	698	HEX VALUE OF THE SHA OF EMPD (from input address)	40	X(40)
699	714	HEX VALUE OF THE FIRST 8 CHARACTERS OF 48 BYTE OBJECT	16	X(16)
715	729	FIRST NAME OF THE 48 BYTE OBJECT	15	X(15)
730	749	LAST NAME OF THE 48 BYTE OBJECT	20	X(20)
750	754	SUFFIX NAME OF THE 48 BYTE OBJECT	5	X(05)
755	794	HEX VALUE OF THE SHA OF 48 BYTE OBJECT	40	X(40)
795	810	HEX VALUE OF THE DATA RETRIEVED (before reorder)	16	X(16)
811	827	DECIMAL VALUE OF THE 17 DIGIT RESULT VALUE	17	X(17)
828	828	RESULT MOVE TYPE (Family, Individual, Business)(F,I,B)	1	X(01)
829	836	OPTIONAL – INTERMEDIATE RETURN CODES	8	X(08)
837	838	ANK <sup>Link</sup> RETURN CODE (77)	2	X(02)
839	840	FUTURE RETURN CODE	2	X(02)
841	997	FILLER	157	X(157)
998	998	RECORD TYPE (Header/Detail) (H,D)	1	X(01)
999	1000	CARRIAGE RETURN LINE FEED	2	X(02)

**\*The following fields of returned data used for analysis must not be returned to the customer: result drop flag, result drop n flag, result middle name, result gender and result hint byte.**



# NCOA<sup>Link</sup>® PROCESSING ACKNOWLEDGEMENT FORM

The collection of information on this Processing Acknowledgement Form (PAF) is required by the Privacy Act of 1974. The United States Postal Service® (USPS®) requires that each NCOA<sup>Link</sup> Licensee have a completed NCOA<sup>Link</sup> PAF for each of their NCOA<sup>Link</sup> customers prior to providing the NCOA<sup>Link</sup> service. The Licensee is also required by the USPS to retain a copy of the completed form for each of its customers and to obtain an updated PAF from each of its customers at minimum once per year. Any signature upon this PAF shall be considered valid for all purposes and have the same effect whether it is an ink-signed hardcopy document or equivalent alternative.

**LIST OWNER**

I, the undersigned, an authorized representative of:

---

Company Name

---

Address

---

City \_\_\_\_\_ State \_\_\_\_\_ ZIP+4 \_\_\_\_\_

---

Telephone Number \_\_\_\_\_ NAICS \_\_\_\_\_ USPS Mailer ID (optional) \_\_\_\_\_ E-mail Address (optional) \_\_\_\_\_

---

Parent Company Name

---

Marketing or "DBA" Company Name or Primary Affiliate Company Name (if applicable) \_\_\_\_\_ Company Website (optional) \_\_\_\_\_

---

Name (Please print) \_\_\_\_\_ Title \_\_\_\_\_

---

Signature \_\_\_\_\_ Date \_\_\_\_\_

do hereby acknowledge that I have received and reviewed the NCOA<sup>Link</sup> Information Package supplied to me by \_\_\_\_\_, an NCOA<sup>Link</sup> Service Provider. I also understand that the sole purpose of the NCOA<sup>Link</sup> service is to provide a mailing list correction service for lists that will be used for preparation of mailings. Furthermore, I understand that NCOA<sup>Link</sup> may not be used to create or maintain new movers' lists.

**LICENSEE**

---

Business Name (Please print)

---

Name (Please print) \_\_\_\_\_ Title \_\_\_\_\_

---

Signature \_\_\_\_\_ Date \_\_\_\_\_

---

Telephone Number \_\_\_\_\_ Fax Number \_\_\_\_\_

**BROKER/AGENT**     **LIST ADMINISTRATOR** (Check applicable box)

---

Business Name (Please print)

---

Address \_\_\_\_\_ City/State/ZIP+4 \_\_\_\_\_

---

Name (Please print) \_\_\_\_\_ Title \_\_\_\_\_

---

Signature \_\_\_\_\_ Date \_\_\_\_\_

---

Telephone Number \_\_\_\_\_ NAICS \_\_\_\_\_ Company Website (optional) \_\_\_\_\_

**For Licensee Use Only**

**PAF ID:** \_\_\_\_\_      **Broker/Agent ID:** \_\_\_\_\_      **List Administrator ID:** \_\_\_\_\_



# COMBINED NCOA<sup>Link</sup>® PROCESSING ACKNOWLEDGEMENT FORM

The collection of information on this Processing Acknowledgement Form (PAF) is required by the Privacy Act of 1974. The United States Postal Service<sup>®</sup> (USPS<sup>®</sup>) requires that each NCOA<sup>Link</sup> Licensee have a completed NCOA<sup>Link</sup> PAF for each of their NCOA<sup>Link</sup> customers prior to providing the NCOA<sup>Link</sup> service. The Licensee is also required by the USPS to retain a copy of the completed form for each of its customers and to obtain an updated PAF from each of its customers at minimum once per year. Any signature upon this PAF shall be considered valid for all purposes and have the same effect whether it is an ink-signed original or a photocopy or facsimile representation of the original document.

**LIST OWNER**

I, the undersigned, an authorized representative of:

---

Company Name

---

Address

---

City \_\_\_\_\_ State \_\_\_\_\_ ZIP+4 \_\_\_\_\_

---

Telephone Number \_\_\_\_\_ NAICS \_\_\_\_\_ USPS Mailer ID (optional) \_\_\_\_\_ E-mail Address (optional) \_\_\_\_\_

---

Parent Company Name

---

Marketing or "DBA" Company Name or Primary Affiliate Company Name (if applicable) \_\_\_\_\_ Company Website (optional) \_\_\_\_\_

---

Name (Please print) \_\_\_\_\_ Title \_\_\_\_\_

---

Signature \_\_\_\_\_ Date \_\_\_\_\_

do hereby acknowledge that I have received and reviewed the NCOA<sup>Link</sup> Information Package supplied to me by \_\_\_\_\_, an NCOA<sup>Link</sup> Full Service Provider Licensee and \_\_\_\_\_, an NCOA<sup>Link</sup> Limited Service Provider Licensee. I further understand that through an agreement with the NCOA<sup>Link</sup> Limited Service Provider NCOA<sup>Link</sup> services may be provided by either of these Licensees. I also understand that the sole purpose of the NCOA<sup>Link</sup> service is to provide a mailing list correction service for lists that will be used for preparation of mailings. Furthermore, I understand that NCOA<sup>Link</sup> may not be used to create or maintain new movers' lists.

**FULL SERVICE NCOA<sup>Link</sup> LICENSEE**

---

Business Name (Please print)

---

Name (Please print) \_\_\_\_\_ Title \_\_\_\_\_

---

Signature \_\_\_\_\_ Date \_\_\_\_\_

---

Telephone Number \_\_\_\_\_ Fax Number \_\_\_\_\_

**LIMITED SERVICE NCOA<sup>Link</sup> LICENSEE AND  BROKER  LIST ADMINISTRATOR TO FULL SERVICE NCOA<sup>Link</sup>**

---

Business Name (Please print)

---

Name (Please print) \_\_\_\_\_ Title \_\_\_\_\_

---

Signature \_\_\_\_\_ Date \_\_\_\_\_

---

Telephone Number \_\_\_\_\_ NAICS \_\_\_\_\_ Company Website (optional) \_\_\_\_\_

***For Licensee Use Only***

**FSP PAF ID:** \_\_\_\_\_ **FSP Broker/Agent ID:** \_\_\_\_\_ **FSP List Administrator ID:** \_\_\_\_\_

**LSP PAF ID:** \_\_\_\_\_

**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

**Exhibit F  
Service Provider Required Text Document**

<<Service Provider>> is a non-exclusive Licensee of the USPS<sup>®</sup> (United States Postal Service<sup>®</sup>) to provide <<Full and/or Limited>> Service NCOA<sup>Link</sup>® processing.

It is important to note that not all Service Providers can provide the same level of service. Data quantity differs based on license level. Full Service Providers receive the full 48 month data while Limited Service Providers receive an 18 month data set. All data fulfillments to Service Providers are provided weekly under direct license from the USPS.

The full NCOA<sup>Link</sup> file is a consolidated file of move information that on average contains approximately 160 million permanent changes-of-address (COAs) filed with the United States Postal Service (USPS). These COAs are retained on the file for a four-year period from the move-effective date and the file is updated weekly.

Before being added to the NCOA<sup>Link</sup> file, the **Old** address supplied by the Postal customer must be ZIP + 4 coded. The **New** addresses must be ZIP + 4 coded and validated using the USPS' proprietary database of actual delivery points. (NOTE: The delivery point database does not include NAMES or COA information.) Each delivery point confirmed **New** address is included on the NCOA<sup>Link</sup> file. If unable to validate the **New** address, the NCOA<sup>Link</sup> process will indicate that a move exists but will not provide the undeliverable **New** address.

**New** address information is provided only when a match to the input name and address is attained. The typical profile of the **New** address information contained on the NCOA<sup>Link</sup> file is as follows:

- 80.92% Forwardable moves containing delivery point confirmed **New** addresses –  
**New** address provided
- 1.18% Moves containing unconfirmed **New** addresses – **New** address not provided
- 13.80% Moved, left no address
- 3.92% PO Box Closed
- 0.18% Foreign moves

When possible, postal customers who move multiple times within the NCOA<sup>Link</sup> time period are “linked” or “chained” to ensure that the latest address is furnished when an NCOA<sup>Link</sup> match is attained. This is not always possible if subsequent COAs are not filed in exactly the same manner as a COA filed previously (e.g., name spelling differences or conflicting secondary information).

The provision of change of address information is controlled by strict name and address matching logic. NCOA<sup>Link</sup> processing will only provide new address information when queried with a specific algorithm of the name and input address from a mailers address list which matches the information on the NCOA<sup>Link</sup> Product. Data contained in and information returned by NCOA<sup>Link</sup> is determined by the name and move type (Business, Individual, or Family) indicated on a Postal customer's Change of Address form.

# NCOA<sup>Link</sup>® FULL SERVICE PROVIDER LICENSEE PERFORMANCE REQUIREMENTS

The data contained within the NCOA<sup>Link</sup> Product is comprised of approximately 40% family moves, 54% individual moves, and 6% business moves.

All matches made to the NCOA<sup>Link</sup> file require a ZIP + 4 coded, parsed input address.

The five types of processing modes are Standard (S); Business and Individual (C); Individual (I); Business (B); and Residential (R).

## **Standard Processing Mode (S)**

- Standard Processing Mode requires inquiries in the following order:
  - Business – Match on business name.
  - Individual – Match on first name, middle name, surname and title required. Gender is checked and nickname possibilities are considered.
  - Family – Match on surname only.
- **Under no circumstances shall there be a “Family” match only option.**

## **Business and Individual Processing Mode (C)**

- The NCOA<sup>Link</sup> customer may choose to omit all “Family” match inquiries and allow only “Individual” and “Business” matches to be acceptable. This matching process is also known as C Processing Mode.

## **Individual Processing Mode (I)**

- The NCOA<sup>Link</sup> customer may also choose to omit “Business” match inquiries when processing individual names for mailing lists that contain no business addresses.

## **Business Processing Mode (B)**

- The NCOA<sup>Link</sup> customer may choose to process for only “Business” matches when processing a “Business-to-Business” mailing list which contains no residential (Individual or Family) addresses.

## **Residential Processing Mode (R)**

- The NCOA<sup>Link</sup> customer may choose to omit “Business” match inquiries and allow only “Individual” and “Family” matches to be acceptable under Residential Processing Mode. This matching process is also known as R Processing Mode.

The USPS has opted to remove soundex from the matching logic process. Consequently, the USPS has established a process called the “Rules Table.” This process will produce matches that otherwise would not be possible, i.e. JOHNY and JOHNNY, without the risks associated with soundex.

All nickname possibilities are derived from a standard USPS nickname list. In considering alternate presentations of an input name, only reasonable derivatives of the original input name are acceptable. If an input name and address do not match to NCOA<sup>Link</sup> and alternative queries are attempted, any variations which obtain NCOA<sup>Link</sup> matches will be provided to the NCOA<sup>Link</sup> customer for analysis.

## NCOA<sup>Link</sup>® FULL SERVICE PROVIDER LICENSEE PERFORMANCE REQUIREMENTS

When a match or a near match of an input name and address to NCOA<sup>Link</sup> is identified, a standard NCOA<sup>Link</sup> return code is provided indicating the type of match made or reason that a match could not be made.

The standard output of a USPS NCOA<sup>Link</sup> process is:

- a) Each original unaltered input name and address as it was presented.
- b) The standardized input address appended with the correct ZIP + 4/DPC, other postal values and any other intelligence flags or footnotes that result from the CASS<sup>TM</sup> processing segment.
- c) For each mailing address for which there is a match to the NCOA<sup>Link</sup> Product, a standardized new address with 11-digit Delivery Point Barcode (DPBC) and standard return codes.
- d) When a match is made, the following elements must be returned: the move effective date, the specific name and address utilized in the query that obtained the match, and the move type. The move type is determined by the Interface based on the specific name inquiry utilized to obtain the match.
- e) For each mailing address for which there is not a match to the NCOA<sup>Link</sup> Product, the Interface shall return all elements as appropriate under items a and b as well as any standard return codes as may be appropriate.
- f) The urbanization name information, when applicable.
- g) The carrier route information for new (updated) addresses.
- h) DPV results for the input address, if requested.
- i) LACS<sup>Link</sup> results, if requested.
- j) Suite<sup>Link</sup> results, if requested.
- k) Processing summary report containing information to identify the specific list and the statistics resulting from the NCOA<sup>Link</sup> process performed on the list.

Although every record must be returned, the format of the records returned by a Service Provider to their clients is determined by a separate agreement between the processor and the customer.

NCOA<sup>Link</sup> processing has the potential to reduce returned mail, yet the USPS does not make any guarantees, express or implied, on the reduction of such mail. Thus any costs associated with returned mail are the Licensees' and/or their customers' sole responsibility.

An NCOA<sup>Link</sup> customer with questions about the specific results returned from an NCOA<sup>Link</sup> process must first contact the processor for explanation and resolution.

Prior to the processing of NCOA<sup>Link</sup> data, every customer must have completed and returned to their NCOA<sup>Link</sup> Licensee the "NCOA<sup>Link</sup> PROCESSING ACKNOWLEDGEMENT FORM" provided to them by their Licensee or Agent. It is inappropriate to misrepresent any of the information on the form. Punitive action will be taken by the USPS if the customer, agent or licensee is found to have knowingly supplied false information. Depending on the severity of the offense, actions may include litigious or even criminal charges being brought against the offender.

The ANK<sup>Link</sup> option is available through Limited Service Provider Licensees to enable mailers to make informed choices regarding a specific customer contact. If the data indicates a move, the mailer may choose to suppress the record from their list or attempt to determine the actual new address by engaging the services of an NCOA<sup>Link</sup> Full Service Provider (FSP) Licensee.

## **NCOA<sup>Link®</sup> FULL SERVICE PROVIDER LICENSEE PERFORMANCE REQUIREMENTS**

Mailers choosing to engage the services of an FSP Licensee may submit only those ANK<sup>Link</sup> matches for which they need additional processing provided that:

- 1) The mailer informs the FSP Licensee that the list is derived from a prior ANK<sup>Link</sup> process.
- 2) The list submitted to the FSP for processing meets the mailing list requirement of at least 100 unique names and addresses.
- 3) The final results are incorporated back into the original list.
- 4) The records separated for processing are not used to create a derivative product.

The following trademarks are owned by the United States Postal Service<sup>®</sup>: ANK<sup>Link</sup>, CASS, DPV, LACS<sup>Link</sup>, NCOA<sup>Link</sup>, Suite<sup>Link</sup>, United States Postal Service, USPS and ZIP + 4.

**NCOA<sup>Link</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

**Exhibit G  
Full and Limited Service Provider  
Required Text Document  
For Combined PAF Use Only**

<<Full Service Provider>> is a non-exclusive Licensee of the USPS<sup>®</sup> (United States Postal Service<sup>®</sup>) to provide Full Service NCOA<sup>Link</sup> processing, ZIP + 4<sup>®</sup> Coding, DPV<sup>®</sup>, LACS<sup>Link</sup> and Suite<sup>Link</sup>. <<Limited Service Provider>> is a non-exclusive Licensee of the USPS to provide Limited Service NCOA<sup>Link</sup> processing.

It is important to note that not all Service Providers can provide the same level of service. Data quantity differs based on license level. Full Service Providers receive the full 48 month data set, while Limited Service Providers receive an 18 month data set. All data fulfillments to Service Providers are provided weekly under direct license from the USPS.

The full NCOA<sup>Link</sup> file is a consolidated file of move information that on average contains approximately 160 million permanent changes-of-address (COAs) filed with the United States Postal Service (USPS). These COAs are retained on the file for a four-year period from the move-effective date and the file is updated weekly.

Before being added to the NCOA<sup>Link</sup> file, the **Old** address supplied by the Postal customer must be ZIP + 4 coded. The **New** addresses must be ZIP + 4 coded and validated using the USPS' proprietary database of actual delivery points. (NOTE: The delivery point database does not include NAMES or COA information.) Each delivery point confirmed **New** address is included on the NCOA<sup>Link</sup> file. If unable to validate the **New** address, the NCOA<sup>Link</sup> process will indicate that a move exists but will not provide the undeliverable **New** address.

**New** address information is provided only when a match to the input name and address is attained. The typical profile of the **New** address information contained on the NCOA<sup>Link</sup> file is as follows:

- 80.92% Forwardable moves containing delivery point confirmed **New** addresses –  
    **New** address provided
- 1.18% Moves containing unconfirmed **New** addresses – **New** address not provided
- 13.80% Moved, left no address
- 3.92% PO Box Closed
- 0.18% Foreign moves

When possible, postal customers who move multiple times within the NCOA<sup>Link</sup> time period are "linked" or "chained" to ensure that the latest address is furnished when an NCOA<sup>Link</sup> match is attained. This is not always possible if subsequent COAs are not filed in exactly the same manner as a COA filed previously (e.g., name spelling differences or conflicting secondary information).

The provision of change of address information is controlled by strict name and address matching logic. NCOA<sup>Link</sup> processing will only provide new address information when queried with a specific algorithm of the name and input address from a mailers address list which matches the information on the NCOA<sup>Link</sup> Product. Data contained in and information returned by NCOA<sup>Link</sup> is determined by the name and move type (Business, Individual, or Family) indicated on a Postal customer's Change of Address form.

# NCOA<sup>Link</sup>® FULL SERVICE PROVIDER LICENSEE PERFORMANCE REQUIREMENTS

The data contained within the NCOA<sup>Link</sup> Product is comprised of approximately 40% family moves, 54% individual moves, and 6% business moves.

All matches made to the NCOA<sup>Link</sup> file require a ZIP + 4 coded, parsed input address.

The five types of processing modes are Standard (S); Business and Individual (C); Individual (I); Business (B); and Residential (R).

## **Standard Processing Mode (S)**

- Standard Processing Mode requires inquiries in the following order:
  - Business – Match on business name.
  - Individual – Match on first name, middle name, surname and title required. Gender is checked and nickname possibilities are considered.
  - Family – Match on surname only.
- **Under no circumstances shall there be a “Family” match only option.**

## **Business and Individual Processing Mode (C)**

- The NCOA<sup>Link</sup> customer may choose to omit all “Family” match inquiries and allow only “Individual” and “Business” matches to be acceptable. This matching process is also known as C Processing Mode.

## **Individual Processing Mode (I)**

- The NCOA<sup>Link</sup> customer may also choose to omit “Business” match inquiries when processing individual names for mailing lists that contain no business addresses.

## **Business Processing Mode (B)**

- The NCOA<sup>Link</sup> customer may choose to process for only “Business” matches when processing a “Business-to-Business” mailing list which contains no residential (Individual or Family) addresses.

## **Residential Processing Mode (R)**

- The NCOA<sup>Link</sup> customer may choose to omit “Business” match inquiries and allow only “Individual” and “Family” matches to be acceptable under Residential Processing Mode. This matching process is also known as R Processing Mode.

The USPS has opted to remove soundex from the matching logic process. Consequently, the USPS has established a process called the “Rules Table.” This process will produce matches that otherwise would not be possible, i.e. JOHNY and JOHNNY, without the risks associated with soundex.

All nickname possibilities are derived from a standard USPS nickname list. In considering alternate presentations of an input name, only reasonable derivatives of the original input name are acceptable. If an input name and address do not match to NCOA<sup>Link</sup> and alternative queries are attempted, any variations which obtain NCOA<sup>Link</sup> matches will be provided to the NCOA<sup>Link</sup> customer for analysis.

When a match or a near match of an input name and address to NCOA<sup>Link</sup> is identified, a standard NCOA<sup>Link</sup> return code is provided indicating the type of match made or reason that a match could not be made.

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- c) For each mailing address for which there is a match to the NCOA<sup>Link</sup> Product, a standardized new address with 11-digit Delivery Point Barcode (DPBC) and standard return codes.
- d) When a match is made, the following elements must be returned: the move effective date, the specific name and address utilized in the query that obtained the match, and the move type. The move type is determined by the Interface based on the specific name inquiry utilized to obtain the match.
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- h) DPV results for the input address, if requested.
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**NOTE:** Full Service Providers are required to offer DPV, LACS<sup>Link</sup> and Suite<sup>Link</sup> processing. These product offerings are optional for Limited Service Providers.

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Prior to the processing of NCOA<sup>Link</sup> data, every customer must have completed and returned to their NCOA<sup>Link</sup> Licensee the "NCOA<sup>Link</sup> PROCESSING ACKNOWLEDGEMENT FORM" provided to them by their Licensee or Agent. It is inappropriate to misrepresent any of the information on the form. Punitive action will be taken by the USPS if the customer, agent or licensee is found to have knowingly supplied false information. Depending on the severity of the offense, actions may include litigious or even criminal charges being brought against the offender.

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**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

**Full and Limited Service Provider with ANK<sup>Link®</sup>  
Required Text Document  
For Combined PAF Use Only**

<<Full Service Provider>> is a non-exclusive Licensee of the USPS<sup>®</sup> (United States Postal Service<sup>®</sup>) to provide Full Service NCOA<sup>Link®</sup> processing, ZIP + 4<sup>®</sup> Coding, DPV<sup>®</sup>, LACS<sup>Link®</sup> and Suite<sup>Link®</sup>. <<Limited Service Provider>> is a non-exclusive Licensee of the USPS to provide Limited Service NCOA<sup>Link</sup> processing.

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## **Individual Processing Mode (I)**

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## **Business Processing Mode (B)**

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## **Residential Processing Mode (R)**

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- d) When a match is made, the following elements must be returned: the move effective date, the specific name and address utilized in the query that obtained the match, and the move type. The move type is determined by the Interface based on the specific name inquiry utilized to obtain the match.
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- i) LACS<sup>Link</sup> results, if requested.
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**NOTE:** Full Service Providers are required to offer DPV, LACS<sup>Link</sup> and Suite<sup>Link</sup> processing. These product offerings are optional for Limited Service Providers.

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## **NCOA<sup>Link®</sup> FULL SERVICE PROVIDER LICENSEE PERFORMANCE REQUIREMENTS**

Mailers choosing to engage the services of an FSP Licensee may submit only those ANK<sup>Link</sup> matches for which they need additional processing provided that:

- 5) The mailer informs the FSP Licensee that the list is derived from a prior ANK<sup>Link</sup> process.
- 6) The list submitted to the FSP for processing meets the mailing list requirement of at least 100 unique names and addresses.
- 7) The final results are incorporated back into the original list.
- 8) The records separated for processing are not used to create a derivative product.

The following trademarks are owned by the United States Postal Service<sup>®</sup>: ANK<sup>Link</sup>, CASS, DPV, LACS<sup>Link</sup>, NCOA<sup>Link</sup>, Suite<sup>Link</sup>, USPS and ZIP + 4.

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

**Exhibit H  
Report File Layouts**

NCOA <sup>Link®</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Header Record (page 1 of 5)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
1	4	PLATFORM ID Alphanumeric. Licensee ID (USPS assigned)	4	X(4)
5	18	NUMBER OF RECORDS Total number of records in the Customer Service Log excluding Header Record	14	9(14)
19	70	Filler	52	X(52)
		<i>The Header Record must contain file totals for all fields in the subsequent Detail Record(s). All field positions in the Header Record correspond to field positions in the Detail Record(s).</i>		
		<b>Processing Statistics Summary</b>		
71	81	TOTAL NUMBER OF RECORDS PROCESSED	11	9(11)
82	92	TOTAL NUMBER OF NCOA <sup>Link®</sup> QUERIES PERFORMED	11	9(11)
93	103	TOTAL NUMBER OF RECORDS MATCHED	11	9(11)
104	114	TOTAL NUMBER OF MATCHES REJECTED	11	9(11)
115	125	TOTAL NUMBER OF RECORDS ZIP + 4 CODED	11	9(11)
126	136	TOTAL NUMBER OF RECORDS DPV <sup>®</sup> CONFIRMED	11	9(11)
137	286	FILLER	150	X(150)
		<b>ZIP + 4 Match Statistics</b>		
287	297	Total matched to PO Box	11	9(11)
298	308	Total matched to HCR Exact	11	9(11)
309	319	Total matched to RR Default	11	9(11)
320	330	Total matched to Firm	11	9(11)
331	341	Total matched to General Del	11	9(11)
342	352	Total matched to Highrise Default	11	9(11)
353	363	Total matched to Military	11	9(11)
364	374	Total matched to Non-Deliverable	11	9(11)
375	385	Total matched to RR Exact	11	9(11)
386	396	Total matched to Street	11	9(11)
397	407	Total matched to HCR Default	11	9(11)
408	418	Total matched to Highrise Exact	11	9(11)
419	429	Total matched to Other	11	9(11)
430	440	Total matched to Pos LACS	11	9(11)
441	451	Total matched to EWS	11	9(11)
		<b>Footnote Information: Number of responses containing each footnote code:</b>		
		<b>New Address Provided by NCOA<sup>Link®</sup></b>		
452	462	A – Match	11	9(11)
463	473	91 – Match with Secondary Number Dropped on COA (Old Side)	11	9(11)
474	484	92 – Match with Secondary Number Dropped on Input	11	9(11)
		<b>From NCOA<sup>Link®</sup> File Build</b>		
485	495	01 – Match – Foreign Move	11	9(11)
496	506	02 – Match – Moved Left No Address	11	9(11)
507	517	03 – Match – PO Box Closed	11	9(11)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

NCOA <sup>Link</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Header Record (page 2 of 5)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
518	528	04 – No Match – Family move from Street Address w/Secondary	11	9(11)
529	539	05 – Match – New 11 digit DPBC is ambiguous	11	9(11)
540	550	06 – No Match – Middle Name Related	11	9(11)
551	561	07 – No Match – Gender Related	11	9(11)
562	572	08 – No Match – Conflicting Instructions	11	9(11)
573	583	09 – No Match – Family move from Highrise default	11	9(11)
584	594	10 – No Match – Family move from Rural/HC Route default	11	9(11)
595	605	11 – No Match – Individual move – Insufficient name data	11	9(11)
606	616	18 – No Match – Family move from General Delivery	11	9(11)
617	627	19 – Match – New Address not ZIP+4 codeable	11	9(11)
628	638	20 – No Match – Multiple Response – Conflicting Directions	11	9(11)
		<b>From NCOA<sup>Link</sup> File Run</b>		
639	649	12 – No Match – Middle Name test failed	11	9(11)
650	660	13 – No Match – Gender test failed	11	9(11)
661	671	14 – Match – New Address would not convert	11	9(11)
672	682	15 – No Match – Individual Name insufficient on input to match	11	9(11)
683	693	16 – No Match – Secondary Number discrepancy	11	9(11)
694	704	17 – No Match – Different First Name	11	9(11)
		<b>From “Daily Delete” Process</b>		
705	715	66 – No Match – Input Address appears in “Daily Delete” suppression file	11	9(11)
		<b>From DPV Processing of Input Addresses</b>		
716	726	AA – ZIP+4 Match.	11	9(11)
727	737	A1 – ZIP+4 No Match	11	9(11)
738	748	M1 – Primary Number missing	11	9(11)
749	759	M3 – Primary Number invalid	11	9(11)
760	770	P1 – Missing PO, RR or HC Box number	11	9(11)
771	781	P3 – Invalid PO, RR or HC Box number	11	9(11)
782	792	BB – DPV matched (all components)	11	9(11)
793	803	RR – DPV matched to CMRA	11	9(11)
804	814	CC – Primary Number Match – Secondary present but invalid	11	9(11)
815	825	N1 – Primary Number Match – Secondary missing	11	9(11)
826	836	R1 – DPV matched to CMRA – PMB number not present	11	9(11)
		<b>Move Activity Summary</b>		
837	847	ADDRESSES MATCHED MONTH 0	11	9(11)
848	858	ADDRESSES MATCHED MONTH 1	11	9(11)
859	869	ADDRESSES MATCHED MONTH 2	11	9(11)
870	880	ADDRESSES MATCHED MONTH 3	11	9(11)
881	891	ADDRESSES MATCHED MONTH 4	11	9(11)
892	902	ADDRESSES MATCHED MONTH 5	11	9(11)
903	913	ADDRESSES MATCHED MONTH 6	11	9(11)
914	924	ADDRESSES MATCHED MONTH 7	11	9(11)
925	935	ADDRESSES MATCHED MONTH 8	11	9(11)
936	946	ADDRESSES MATCHED MONTH 9	11	9(11)
947	957	ADDRESSES MATCHED MONTH 10	11	9(11)
958	968	ADDRESSES MATCHED MONTH 11	11	9(11)
969	979	ADDRESSES MATCHED MONTH 12	11	9(11)
980	990	ADDRESSES MATCHED MONTH 13	11	9(11)
991	1001	ADDRESSES MATCHED MONTH 14	11	9(11)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

NCOA <sup>Link</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Header Record (page 3 of 5)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
1002	1012	ADDRESSES MATCHED MONTH 15	11	9(11)
1013	1023	ADDRESSES MATCHED MONTH 16	11	9(11)
1024	1034	ADDRESSES MATCHED MONTH 17	11	9(11)
1035	1045	ADDRESSES MATCHED MONTH 18	11	9(11)
1046	1056	ADDRESSES MATCHED MONTH 19	11	9(11)
1057	1067	ADDRESSES MATCHED MONTH 20	11	9(11)
1068	1078	ADDRESSES MATCHED MONTH 21	11	9(11)
1079	1089	ADDRESSES MATCHED MONTH 22	11	9(11)
1090	1100	ADDRESSES MATCHED MONTH 23	11	9(11)
1101	1111	ADDRESSES MATCHED MONTH 24	11	9(11)
1112	1122	ADDRESSES MATCHED MONTH 25	11	9(11)
1123	1133	ADDRESSES MATCHED MONTH 26	11	9(11)
1134	1144	ADDRESSES MATCHED MONTH 27	11	9(11)
1145	1155	ADDRESSES MATCHED MONTH 28	11	9(11)
1156	1166	ADDRESSES MATCHED MONTH 29	11	9(11)
1167	1177	ADDRESSES MATCHED MONTH 30	11	9(11)
1178	1188	ADDRESSES MATCHED MONTH 31	11	9(11)
1189	1199	ADDRESSES MATCHED MONTH 32	11	9(11)
1200	1210	ADDRESSES MATCHED MONTH 33	11	9(11)
1211	1221	ADDRESSES MATCHED MONTH 34	11	9(11)
1222	1232	ADDRESSES MATCHED MONTH 35	11	9(11)
1233	1243	ADDRESSES MATCHED MONTH 36	11	9(11)
1244	1254	ADDRESSES MATCHED MONTH 37	11	9(11)
1255	1265	ADDRESSES MATCHED MONTH 38	11	9(11)
1266	1276	ADDRESSES MATCHED MONTH 39	11	9(11)
1277	1287	ADDRESSES MATCHED MONTH 40	11	9(11)
1288	1298	ADDRESSES MATCHED MONTH 41	11	9(11)
1299	1309	ADDRESSES MATCHED MONTH 42	11	9(11)
1310	1320	ADDRESSES MATCHED MONTH 43	11	9(11)
1321	1331	ADDRESSES MATCHED MONTH 44	11	9(11)
1332	1342	ADDRESSES MATCHED MONTH 45	11	9(11)
1343	1353	ADDRESSES MATCHED MONTH 46	11	9(11)
1354	1364	ADDRESSES MATCHED MONTH 47	11	9(11)
1365	1375	ADDRESSES MATCHED MONTH 48	11	9(11)
1376	1452	Filler	77	X(77)
		<b>DPV Statistics</b>		
1453	1463	Street (S) Records Validated	11	9(11)
1464	1474	CMRA Presented	11	9(11)
1475	1485	CMRA Validated	11	9(11)
1486	1496	High Rise (H) Records Validated	11	9(11)
1497	1507	CMRA Presented	11	9(11)
1508	1518	CMRA Validated	11	9(11)
1519	1529	PO Box (P) Records Validated	11	9(11)
1530	1540	RR/HC (R) Records Validated	11	9(11)
1541	1551	CMRA Presented	11	9(11)
1552	1562	CMRA Validated	11	9(11)
1563	1573	Firm (F) Records Validated	11	9(11)
1574	1584	CMRA Presented	11	9(11)
1585	1595	CMRA Validated	11	9(11)
1596	1606	General Delivery (G) Records Validated	11	9(11)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
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NCOA <sup>Link</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Header Record (page 4 of 5)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
1607	1617	Total Primary Number Error	11	9(11)
1618	1672	FILLER	55	9(55)
1673	1683	Total Secondary Number Error	11	9(11)
1684	1694	Street (S) Records with Secondary Number Error	11	9(11)
1695	1705	High Rise (H) Records with Secondary Number Error	11	9(11)
1706	1716	Firm (F) Records with Secondary Number Error	11	9(11)
1717	1766	FILLER		
		<b>LACS<sup>Link®</sup> Return Codes</b>		
1767	1777	A – LACS <sup>Link</sup> Record Match	11	9(11)
1778	1788	00 – No Match	11	9(11)
1789	1799	14 –Match – Found LACS <sup>Link</sup> Record – New Address would not convert	11	9(11)
1800	1810	92 – Match with Secondary Number Dropped on Input	11	9(11)
		<b>From DPV Processing of Input Addresses – Additional Return Codes</b>		
1811	1821	F1 – Military	11	9(11)
1822	1832	U1 – Unique ZIP Code	11	9(11)
1833	1843	G1 – General Delivery	11	9(11)
		<b>From NCOA<sup>Link</sup> File Run – Additional Footnote Codes</b>		
1844	1854	NL – New address not DPV confirmable with vendor software. (Required only when this code is returned to the customer)***	11	9(11)
1855	2129	Filler	275	X(275)
2130	2140	<b>LACS<sup>Link</sup> Return Codes – Additional Return Code</b> 09 – LACS <sup>Link</sup> – Old Addr Highrise Default – No New Address	11	9(11)
2141	2192	Filler	52	X(52)
		<b>Suite<sup>Link®</sup> Return Codes</b>		
2193	2203	Suite <sup>Link</sup> Return Code A – Match	11	9(11)
2204	2214	Suite <sup>Link</sup> Return Code 00 – No Match	11	9(11)
		<b>NCOA<sup>Link</sup> Return Codes (continued)</b>		
2215	2225	NCOA <sup>Link</sup> Return Code 21 – To Be Determined	11	9(11)
2226	2236	NCOA <sup>Link</sup> Return Code 22 – To Be Determined	11	9(11)
2237	2247	NCOA <sup>Link</sup> Return Code 23 – To Be Determined	11	9(11)
2248	2258	NCOA <sup>Link</sup> Return Code 24 – To Be Determined	11	9(11)
2259	2269	NCOA <sup>Link</sup> Return Code 25 – To Be Determined	11	9(11)
2270	2280	NCOA <sup>Link</sup> Return Code 26 – To Be Determined	11	9(11)
2281	2291	NCOA <sup>Link</sup> Return Code 27 – To Be Determined	11	9(11)
2292	2302	NCOA <sup>Link</sup> Return Code 28 – To Be Determined	11	9(11)
2303	2313	NCOA <sup>Link</sup> Return Code 29 – To Be Determined	11	9(11)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
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NCOA <sup>Link</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Header Record (page 5 of 5)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
2314	2324	NCOA <sup>Link</sup> Return Code 30 – To Be Determined	11	9(11)
2325	2638	FILLER	204	X(204)
		<b>DPV Return Codes</b>		
2639	2649	Count of DPV Return Code = Y	11	9(11)
2650	2660	Count of DPV Return Code = S	11	9(11)
2661	2671	Count of DPV Return Code = D	11	9(11)
2672	2682	Count of DPV Return Code = N	11	9(11)
2683	2693	Count of DPV Return Code = BLANK	11	9(11)
2694	2704	Count of DPV Vacant Flag	11	9(11)
2705	2715	Count of DPV CMRA Flag	11	9(11)
2716	2726	Count of DPV No Stat Flag	11	9(11)
		<b>MAS (Move Activity Summary) for the PSR (Processing Summary Report)</b>		
2727	2737	Sum of Match Return Codes A, 91 & 92 with Move Effective Month: Mon 0-3	11	X(11)
2738	2748	Sum of Match Return Codes A, 91 & 92 with Move Effective Month: Mon 4-6	11	X(11)
2749	2759	Sum of Match Return Codes A, 91 & 92 with Move Effective Month: Mon 7-12	11	X(11)
2760	2770	Sum of Match Return Codes A, 91 & 92 with Move Effective Month: Mon 13-18	11	X(11)
2771	2781	Sum of Match Return Codes A, 91 & 92 with Move Effective Month: Mon 19+	11	X(11)
2782	2836	FILLER	55	X(55)
		<b>MAS (Move Activity Summary) for the PSR (Processing Summary Report)</b>		
2837	2847	Sum of Match Return Codes 01, 02 & 03 with Move Effective Month: Mon 0-3	11	X(11)
2848	2858	Sum of Match Return Codes 01, 02 & 03 with Move Effective Month: Mon 4-6	11	X(11)
2859	2869	Sum of Match Return Codes 01, 02 & 03 with Move Effective Month: Mon 7-12	11	X(11)
2870	2880	Sum of Match Return Codes 01, 02 & 03 with Move Effective Month: Mon 13-18	11	X(11)
2881	2891	Sum of Match Return Codes 01, 02 & 03 with Move Effective Month: Mon 19+	11	X(11)
2892	2902	Sum of Match Return Codes 05, 14 & 19 with Move Effective Month: Mon 0-3	11	X(11)
2903	2913	Sum of Match Return Codes 05, 14 & 19 with Move Effective Month: Mon 4-6	11	X(11)
2914	2924	Sum of Match Return Codes 05, 14 & 19 with Move Effective Month: Mon 7-12	11	X(11)
2925	2935	Sum of Match Return Codes 05, 14 & 19 with Move Effective Month: Mon 13-18	11	X(11)
2936	2946	Sum of Match Return Codes 05, 14 & 19 with Move Effective Month: Mon 19+	11	X(11)
2947	2999	FILLER	53	X(53)
3000	3000	RECORD TYPE H = Header / D = Detail	1	X(1)
		CR/LF Carriage Return/Line Feed required at end of the record.		

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
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NCOA <sup>Link</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Detail Record (page 1 of 9)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
1	18	PAF ID Alphanumeric. Mailing List Processing Acknowledgment Form ID. 1-4 Licensee ID (USPS assigned) 5-10 List Owner NAICS 11-12 Frequency of processing 13-18 List ID (Licensee assigned)	18	X(18)
19	28	PROCESSING CATEGORY Set values to identify the type of processing performed. EMP TRAIN, INT DB TST, MKTG TEST, NORMAL, STAGE I, STAGE II, SYS TEST	10	X(10)
29	29	ADDITIONAL NOTES The literal "A" in this field denotes that customer provided written request for longer processing period.	1	X(1)
30	30	PRE-PROCESSES PERFORMED N = None Y = Yes but with no data modifications D = Yes, data modifications from sources other than postal data P = Yes, data modifications from postal data only (i.e.: ZIP + 4, DPV) B = Yes, data modifications from postal and other sources	1	X(1)
31	31	CONCURRENT PROCESSES PERFORMED N = None Y = Yes but with no data modifications D = Yes, data modifications from sources other than postal data P = Yes, data modifications from postal data only (i.e.: ZIP + 4, DPV) B = Yes, data modifications from postal and other sources	1	X(1)
32	32	POST-PROCESSES PERFORMED N = None Y = Yes but with no data modifications D = Yes, data modifications from sources other than postal data P = Yes, data modifications from postal data only (LACS <sup>Link</sup> ) B = Yes, data modifications from postal and other sources	1	X(1)
33	33	STANDARD OUTPUT RETURNED Y = All NCOA <sup>Link</sup> required output returned to client N = Post-processes modified return information (i.e.: updates applied to list) B = Post-processes modified return information; however, separate file containing all required output data was also returned	1	X(1)
34	34	MATCHING LOGIC APPLIED S = Standard (Business, Individual and Family matches allowed) I = Individual only B = Business only C = Individual and Business only R = Individual and Family only	1	X(1)
35	35	DATA RETURNED C = COA Data Returned (including footnotes and processing statistics) F = Footnotes (no COA data included; may include processing statistics) S = Statistics only (no COA data or footnotes provided)	1	X(1)
36	37	NUMBER OF MONTHS REQUESTED By request of list owner, number of months for which COA data accepted	2	9(2)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
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NCOA <sup>Link</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Detail Record (page 2 of 9)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
38	38	CLASS OF MAIL Alphanumeric. Class of mail to be used for mailings produced from customer mailing list. A = First-Class only B = Periodicals only C = Standard Mail only D = Package Services only E = First-Class & Periodicals F = First-Class & Standard Mail G = First-Class & Package Services H = Periodicals & Standard Mail I = Periodicals & Package Services J = Standard Mail & Package Services K = First-Class, Periodicals & Standard Mail L = First-Class, Periodicals & Package Services M = First-Class, Standard Mail & Package Services N = Periodicals, Standard Mail & Package Services O = First-Class, Periodical, Standard Mail, Package Services	1	X(1)
		<b>Processing Date Information</b>		
39	46	DATE LIST RECEIVED FROM CUSTOMER Numeric. Format CCYYMMDD.	8	9(8)
47	54	DATE NCOA <sup>Link</sup> PROCESSING BEGAN Numeric. Format CCYYMMDD.	8	9(8)
55	62	DATE NCOA <sup>Link</sup> PROCESSING COMPLETED Numeric. Format CCYYMMDD.	8	9(8)
63	70	DATE LIST RETURNED TO CUSTOMER Numeric. Format CCYYMMDD.	8	9(8)
		<b>Processing Statistics Summary</b>		
71	81	TOTAL NUMBER OF RECORDS PROCESSED Total number of records presented on the original input list.	11	9(11)
82	92	TOTAL NUMBER OF NCOA <sup>Link</sup> QUERIES PERFORMED Total number of all queries made into NCOA <sup>Link</sup> including all variations of name and address attempted for each input record. (i.e: nickname attempts)	11	9(11)
93	103	TOTAL NUMBER OF RECORDS MATCHED Results returned indicate match: Return codes A, 91, 92, 01, 02, 03, 05, 14, 19	11	9(11)
104	114	TOTAL NUMBER OF MATCHES REJECTED Results discarded based on Move Effective Date: Return code 00 generated due to age of COA	11	9(11)
115	125	TOTAL NUMBER OF RECORDS ZIP + 4 CODED	11	9(11)
126	136	TOTAL NUMBER OF RECORDS DPV CONFIRMED	11	9(11)
		<b>CASS<sup>TM</sup>/MASS<sup>TM</sup> Product Information</b>		
137	166	CASS/MASS Software Name	30	X(30)
167	178	CASS/MASS Software Version	12	X(12)
179	186	CASS/MASS Directory (Data) Release Date Numeric. Format CCYYMMDD.	8	9(8)

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NCOA <sup>Link</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Detail Record (page 3 of 9)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
		<b>NCOA<sup>Link</sup> Product Information</b>		
187	216	NCOA <sup>Link</sup> Software Name	30	X(30)
217	228	NCOA <sup>Link</sup> Software Version	12	X(12)
229	236	NCOA <sup>Link</sup> Data Release Date Numeric. Format CCYYMMDD.	8	9(8)
		<b>FILLER (Formerly DPV Product Information)</b>		
237	286	FILLER	50	X(50)
		<b>ZIP + 4 Match Statistics</b>		
287	297	Total matched to PO Box	11	9(11)
298	308	Total matched to HCR Exact	11	9(11)
309	319	Total matched to RR Default	11	9(11)
320	330	Total matched to Firm	11	9(11)
331	341	Total matched to General Del	11	9(11)
342	352	Total matched to Highrise Default	11	9(11)
353	363	Total matched to Military	11	9(11)
364	374	Total matched to Non-Deliverable	11	9(11)
375	385	Total matched to RR Exact	11	9(11)
386	396	Total matched to Street	11	9(11)
397	407	Total matched to HCR Default	11	9(11)
408	418	Total matched to Highrise Exact	11	9(11)
419	429	Total matched to Other	11	9(11)
430	440	Total matched to Pos LACS	11	9(11)
441	451	Total matched to EWS	11	9(11)
		<b>Footnote Information: Number of responses containing each footnote code:</b>		
		<b>New Address Provided by NCOA<sup>Link</sup></b>		
452	462	A – Match	11	9(11)
463	473	91 – Match with Secondary Number Dropped on COA (Old Side)	11	9(11)
474	484	92 – Match with Secondary Number Dropped on Input	11	9(11)
		<b>From NCOA<sup>Link</sup> File Build</b>		
485	495	01 – Match – Foreign Move	11	9(11)
496	506	02 – Match – Moved Left No Address	11	9(11)
507	517	03 – Match – PO Box Closed	11	9(11)
518	528	04 – No Match – Family move from Street Address w/Secondary	11	9(11)
529	539	05 – Match – New 11 digit DPBC is ambiguous	11	9(11)
540	550	06 – No Match – Middle Name Related	11	9(11)
551	561	07 – No Match – Gender Related	11	9(11)
562	572	08 – No Match – Conflicting Instructions	11	9(11)
573	583	09 – No Match – Family move from Highrise default	11	9(11)
584	594	10 – No Match – Family move from Rural/HC Route default	11	9(11)
595	605	11 – No Match – Individual move – Insufficient name data	11	9(11)
606	616	18 – No Match – Family move from General Delivery	11	9(11)
617	627	19 – Match – New Address not ZIP+4 codeable	11	9(11)
628	638	20 – No Match – Multiple Response – Conflicting Directions	11	9(11)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
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NCOA <sup>Link</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Detail Record (page 4 of 9)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
<b>From NCOA<sup>Link</sup> File Run</b>				
639	649	12 – No Match – Middle Name test failed	11	9(11)
650	660	13 – No Match – Gender test failed	11	9(11)
661	671	14 – Match – New Address would not convert	11	9(11)
672	682	15 – No Match – Individual Name insufficient on input to match	11	9(11)
683	693	16 – No Match – Secondary Number discrepancy	11	9(11)
694	704	17 – No Match – Different First Name	11	9(11)
<b>From “Daily Delete” Process</b>				
705	715	66 – No Match – Input Address appears in “Daily Delete” suppression file	11	9(11)
<b>From DPV Processing of Input Addresses</b>				
716	726	AA – ZIP+4 Match	11	9(11)
727	737	A1 – ZIP+4 No Match	11	9(11)
738	748	M1 – Primary Number missing	11	9(11)
749	759	M3 – Primary Number invalid	11	9(11)
760	770	P1 – Missing PO, RR or HC Box number	11	9(11)
771	781	P3 – Invalid PO, RR or HC Box number	11	9(11)
782	792	BB – DPV matched (all components)	11	9(11)
793	803	RR – DPV matched to CMRA	11	9(11)
804	814	CC – Primary Number Match – Secondary present but invalid	11	9(11)
815	825	N1 – Primary Number Match – Secondary missing	11	9(11)
826	836	R1 – DPV matched to CMRA – PMB number not present	11	9(11)
<b>Move Activity Summary</b> Age based on month and year of process date.				
837	847	ADDRESSES MATCHED MONTH 0 Total number of matches made with Move Effective Date (MED) corresponding to the process date.	11	9(11)
848	858	ADDRESSES MATCHED MONTH 1 Total number of matches made with MED 1 month prior to process date.	11	9(11)
859	869	ADDRESSES MATCHED MONTH 2 Total number of matches made with MED 2 months prior to process date.	11	9(11)
870	880	ADDRESSES MATCHED MONTH 3 Total number of matches made with MED 3 months prior to process date.	11	9(11)
881	891	ADDRESSES MATCHED MONTH 4 Total number of matches made with MED 4 months prior to process date.	11	9(11)
892	902	ADDRESSES MATCHED MONTH 5 Total number of matches made with MED 5 months prior to process date.	11	9(11)
903	913	ADDRESSES MATCHED MONTH 6 Total number of matches made with MED 6 months prior to process date.	11	9(11)
914	924	ADDRESSES MATCHED MONTH 7 Total number of matches made with MED 7 months prior to process date.	11	9(11)
925	935	ADDRESSES MATCHED MONTH 8 Total number of matches made with MED 8 months prior to process date.	11	9(11)
936	946	ADDRESSES MATCHED MONTH 9 Total number of matches made with MED 9 months prior to process date.	11	9(11)
947	957	ADDRESSES MATCHED MONTH 10 Total number of matches made with MED 10 months prior to process date	11	9(11)
958	968	ADDRESSES MATCHED MONTH 11 Total number of matches made with MED 11 months prior to process date.	11	9(11)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
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NCOA <sup>Link</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Detail Record (page 5 of 9)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
969	979	ADDRESSES MATCHED MONTH 12 Total number of matches made with MED 12 months prior to process date.	11	9(11)
980	990	ADDRESSES MATCHED MONTH 13 Total number of matches made with MED 13 months prior to process date.	11	9(11)
991	1001	ADDRESSES MATCHED MONTH 14 Total number of matches made with MED 14 months prior to process date.	11	9(11)
1002	1012	ADDRESSES MATCHED MONTH 15 Total number of matches made with MED 15 months prior to process date.	11	9(11)
1013	1023	ADDRESSES MATCHED MONTH 16 Total number of matches made with MED 16 months prior to process date.	11	9(11)
1024	1034	ADDRESSES MATCHED MONTH 17 Total number of matches made with MED 17 months prior to process date.	11	9(11)
1035	1045	ADDRESSES MATCHED MONTH 18 Total number of matches made with MED 18 months prior to process date.	11	9(11)
1046	1056	ADDRESSES MATCHED MONTH 19 Total number of matches made with MED 19 months prior to process date.	11	9(11)
1057	1067	ADDRESSES MATCHED MONTH 20 Total number of matches made with MED 20 months prior to process date.	11	9(11)
1068	1078	ADDRESSES MATCHED MONTH 21 Total number of matches made with MED 21 months prior to process date.	11	9(11)
1079	1089	ADDRESSES MATCHED MONTH 22 Total number of matches made with MED 22 months prior to process date.	11	9(11)
1090	1100	ADDRESSES MATCHED MONTH 23 Total number of matches made with MED 23 months prior to process date.	11	9(11)
1101	1111	ADDRESSES MATCHED MONTH 24 Total number of matches made with MED 24 months prior to process date.	11	9(11)
1112	1122	ADDRESSES MATCHED MONTH 25 Total number of matches made with MED 25 months prior to process date.	11	9(11)
1123	1133	ADDRESSES MATCHED MONTH 26 Total number of matches made with MED 26 months prior to process date.	11	9(11)
1134	1144	ADDRESSES MATCHED MONTH 27 Total number of matches made with MED 27 months prior to process date.	11	9(11)
1145	1155	ADDRESSES MATCHED MONTH 28 Total number of matches made with MED 28 months prior to process date.	11	9(11)
1156	1166	ADDRESSES MATCHED MONTH 29 Total number of matches made with MED 29 months prior to process date.	11	9(11)
1167	1177	ADDRESSES MATCHED MONTH 30 Total number of matches made with MED 30 months prior to process date.	11	9(11)
1178	1188	ADDRESSES MATCHED MONTH 31 Total number of matches made with MED 31 months prior to process date.	11	9(11)
1189	1199	ADDRESSES MATCHED MONTH 32 Total number of matches made with MED 32 months prior to process date.	11	9(11)
1200	1210	ADDRESSES MATCHED MONTH 33 Total number of matches made with MED 33 months prior to process date.	11	9(11)
1211	1221	ADDRESSES MATCHED MONTH 34 Total number of matches made with MED 34 months prior to process date.	11	9(11)
1222	1232	ADDRESSES MATCHED MONTH 35 Total number of matches made with MED 35 months prior to process date.	11	9(11)
1233	1243	ADDRESSES MATCHED MONTH 36 Total number of matches made with MED 36 months prior to process date.	11	9(11)
1244	1254	ADDRESSES MATCHED MONTH 37 Total number of matches made with MED 37 months prior to process date.	11	9(11)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
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NCOA <sup>Link</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Detail Record (page 6 of 9)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
1255	1265	ADDRESSES MATCHED MONTH 38 Total number of matches made with MED 38 months prior to process date.	11	9(11)
1266	1276	ADDRESSES MATCHED MONTH 39 Total number of matches made with MED 39 months prior to process date.	11	9(11)
1277	1287	ADDRESSES MATCHED MONTH 40 Total number of matches made with MED 40 months prior to process date.	11	9(11)
1288	1298	ADDRESSES MATCHED MONTH 41 Total number of matches made with MED 41 months prior to process date.	11	9(11)
1299	1309	ADDRESSES MATCHED MONTH 42 Total number of matches made with MED 42 months prior to process date.	11	9(11)
1310	1320	ADDRESSES MATCHED MONTH 43 Total number of matches made with MED 43 months prior to process date.	11	9(11)
1321	1331	ADDRESSES MATCHED MONTH 44 Total number of matches made with MED 44 months prior to process date.	11	9(11)
1332	1342	ADDRESSES MATCHED MONTH 45 Total number of matches made with MED 45 months prior to process date.	11	9(11)
1343	1353	ADDRESSES MATCHED MONTH 46 Total number of matches made with MED 46 months prior to process date.	11	9(11)
1354	1364	ADDRESSES MATCHED MONTH 47 Total number of matches made with MED 47 months prior to process date.	11	9(11)
1365	1375	ADDRESSES MATCHED MONTH 48 Total number of matches made with MED 48 months or more prior to process date.	11	9(11)
1376	1387	OPERATOR ID Identification code for the operator who processed this list	12	X(12)
1388	1417	BUYER COMPANY NAME If list processed was for rent/sale/lease fulfillment, provide name of company (or individual) purchasing list	30	X(30)
1418	1422	MAILING ZIP CODE ZIP Code of Business Mail Entry Unit (BMEU) or Post Office at which mail will be submitted for mailing for Buyer Company Name	5	9(5)
1423	1452	Marketing Test – List Owner Company Name (company for whom the marketing test is being completed)	30	X(30)
		<b>DPV Statistics</b>		
1453	1463	Street (S) Records Validated	11	9(11)
1464	1474	CMRA Presented	11	9(11)
1475	1485	CMRA Validated	11	9(11)
1486	1496	High Rise (H) Records Validated	11	9(11)
1497	1507	CMRA Presented	11	9(11)
1508	1518	CMRA Validated	11	9(11)
1519	1529	PO Box (P) Records Validated	11	9(11)
1530	1540	RR/HC (R) Records Validated	11	9(11)
1541	1551	CMRA Presented	11	9(11)
1552	1562	CMRA Validated	11	9(11)
1563	1573	Firm (F) Records Validated	11	9(11)
1574	1584	CMRA Presented	11	9(11)
1585	1595	CMRA Validated	11	9(11)
1596	1606	General Delivery (G) Records Validated	11	9(11)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

NCOA <sup>Link</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Detail Record (page 7 of 9)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
1607	1617	Total Primary Number Error	11	9(11)
1618	1672	FILLER	55	X(55)
1673	1683	Total Secondary Number Error	11	9(11)
1684	1694	Street (S) Records with Secondary Number Error	11	9(11)
1695	1705	High Rise (H) Records with Secondary Number Error	11	9(11)
1706	1716	Firm (F) Records with Secondary Number Error	11	9(11)
		<b>FILLER (Formerly LACS<sup>Link</sup> Product Information)</b>		
1717	1766	FILLER	50	X(50)
		<b>LACS<sup>Link</sup> Return Codes</b>		
1767	1777	A – LACS <sup>Link</sup> Record Match	11	9(11)
1778	1788	00 – No Match	11	9(11)
1789	1799	14 – Match – Found LACS <sup>Link</sup> Record – New Address would not convert	11	9(11)
1800	1810	92 – Match with Secondary Number Dropped on Input	11	9(11)
		<b>From DPV Processing of Input Addresses – Additional Return Codes</b>		
1811	1821	F1 – Military	11	9(11)
1822	1832	U1 – Unique ZIP Code	11	9(11)
1833	1843	G1 – General Delivery	11	9(11)
		<b>From NCOA<sup>Link</sup> File Run – Additional Return Codes</b>		
1844	1854	NL – New address not DPV confirmable with vendor software. (Required only when this code is returned to the customer)***	11	9(11)
1855	2129	Filler	275	X(275)
		<b>LACS<sup>Link</sup> Return Codes – Additional Return Code</b>		
2130	2140	09 – LACS <sup>Link</sup> – Old Addr Highrise Default – No New Address	11	9(11)
		<b>NCOA<sup>Link</sup> Product Version</b>		
2141	2141	NCOA <sup>Link</sup> Product Version	1	X(1)
		A = 48 HASH		
		B = 48 FLAT		
		C = 18 HASH		
		D = 18 FLAT		
		E = ANK HASH		
		F = ANK FLAT		
2142	2142	High Match Rate Description – NCOA <sup>Link</sup> Match Percentage greater than 20%	1	X(1)
		A = ANK <sup>Link</sup> Extract File (FSP only)		
		S = Stage I or Stage II File		
		R = Returned Mail File		

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
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NCOA <sup>Link</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Detail Record (page 8 of 9)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
		<b>FILLER (Formerly Suite<sup>Link</sup> Product Information)</b>		
2143	2192	FILLER	50	X(50)
		<b>Suite<sup>Link</sup> Return Codes</b>		
2193	2203	Suite <sup>Link</sup> Return Code A – Match	11	9(11)
2204	2214	Suite <sup>Link</sup> Return Code 00 – No Match	11	9(11)
		<b>NCOA<sup>Link</sup> Return Codes (continued)</b>		
2215	2225	NCOA <sup>Link</sup> Return Code 21 – To Be Determined	11	9(11)
2226	2236	NCOA <sup>Link</sup> Return Code 22 – To Be Determined	11	9(11)
2237	2247	NCOA <sup>Link</sup> Return Code 23 – To Be Determined	11	9(11)
2248	2258	NCOA <sup>Link</sup> Return Code 24 – To Be Determined	11	9(11)
2259	2269	NCOA <sup>Link</sup> Return Code 25 – To Be Determined	11	9(11)
2270	2280	NCOA <sup>Link</sup> Return Code 26 – To Be Determined	11	9(11)
2281	2291	NCOA <sup>Link</sup> Return Code 27 – To Be Determined	11	9(11)
2292	2302	NCOA <sup>Link</sup> Return Code 28 – To Be Determined	11	9(11)
2303	2313	NCOA <sup>Link</sup> Return Code 29 – To Be Determined	11	9(11)
2314	2324	NCOA <sup>Link</sup> Return Code 30 – To Be Determined	11	9(11)
		<b>FILLER</b>		
2325	2638	FILLER	314	X(314)
		<b>DPV Return Codes</b>		
2639	2649	Count of DPV Return Code = Y	11	9(11)
2650	2660	Count of DPV Return Code = S	11	9(11)
2661	2671	Count of DPV Return Code = D	11	9(11)
2672	2682	Count of DPV Return Code = N	11	9(11)
2683	2693	Count of DPV Return Code = BLANK	11	9(11)
2694	2704	Count of DPV Vacant Flag = Y	11	9(11)
2705	2715	Count of DPV CMRA Flag	11	9(11)
2716	2726	Count of DPV No Stat Flag	11	9(11)
		<b>MAS (Move Activity Summary) for the PSR (Processing Summary Report)</b>		
2727	2737	Sum of Match Return Codes A, 91 & 92 with Move Effective Month: Mon 0-3	11	X(11)
2738	2748	Sum of Match Return Codes A, 91 & 92 with Move Effective Month: Mon 4-6	11	X(11)
2749	2759	Sum of Match Return Codes A, 91 & 92 with Move Effective Month: Mon 7-12	11	X(11)
2760	2770	Sum of Match Return Codes A, 91 & 92 with Move Effective Month: Mon 13-18	11	X(11)
2771	2781	Sum of Match Return Codes A, 91 & 92 with Move Effective Month: Mon 19+	11	X(11)
		<b>MAS (Move Activity Summary) for the PSR (Processing Summary Report)</b>		
2782	2782	Internal Database Flag – The literal 'I' should be populated when processing internal databases, per section 4.3 of the license agreement. This includes files for any related company, such as parent, sister, subsidiary, or etc.	1	X(1)
2783	2836	FILLER	54	X(54)
		<b>MAS (Move Activity Summary) for the PSR (Processing Summary Report)</b>		
2837	2847	Sum of Match Return Codes 01, 02 & 03 with Move Effective Month: Mon 0-3	11	X(11)
2848	2858	Sum of Match Return Codes 01, 02 & 03 with Move Effective Month: Mon 4-6	11	X(11)
2859	2869	Sum of Match Return Codes 01, 02 & 03 with Move Effective Month: Mon 7-12	11	X(11)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

NCOA <sup>Link</sup> MONTHLY CUSTOMER SERVICE LOG FULL SERVICE PROVIDER Detail Record (page 9 of 9)				
RECORD FROM	POSITION TO	FIELD NAME and DESCRIPTION	LENGTH	COBOL
2870	2880	Sum of Match Return Codes 01, 02 & 03 with Move Effective Month: Mon 13-18	11	X(11)
2881	2891	Sum of Match Return Codes 01, 02 & 03 with Move Effective Month: Mon 19+	11	X(11)
2892	2902	Sum of Match Return Codes 05, 14 & 19 with Move Effective Month: Mon 0-3	11	X(11)
2903	2913	Sum of Match Return Codes 05, 14 & 19 with Move Effective Month: Mon 4-6	11	X(11)
2914	2924	Sum of Match Return Codes 05, 14 & 19 with Move Effective Month: Mon 7-12	11	X(11)
2925	2935	Sum of Match Return Codes 05, 14 & 19 with Move Effective Month: Mon 13-18	11	X(11)
2936	2946	Sum of Match Return Codes 05, 14 & 19 with Move Effective Month: Mon 19+	11	X(11)
2947	2999	FILLER	53	X(53)
3000	3000	RECORD TYPE H = Header / D = Detail	1	X(1)
		CR/LF Carriage Return/Line Feed required at end of each record.		

**Note:** All numeric fields are right justified, zero filled.

All alphanumeric fields are left justified, spaced filled.

**Note:** This file shall be submitted in standard ASCII text format and electronically transmitted to the NCSC. The file shall be named using "C," the 4-character code assigned by the NCSC, the 1-character code for the month and the year with an extension of DAT. (e.g. CNAAC02.DAT)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

PROCESSING ACKNOWLEDGEMENT FORM CUSTOMER INFORMATION				
Header Record (page 1 of 1)				
RECORD FROM	POSITION TO	FIELD NAME	LENGTH	COBOL
1	4	PLATFORM ID Alphanumeric. Licensee ID (USPS assigned)	4	X(4)
5	18	NUMBER OF RECORDS Total number of records in the Processing Acknowledgement Form Customer Information file excluding Header Record	14	9(14)
19	599	Filler	581	X(581)
600	600	RECORD TYPE H = Header / D = Detail	1	X(1)

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

PROCESSING ACKNOWLEDGEMENT FORM CUSTOMER INFORMATION (page 1 of 1)				
RECORD FROM	POSITION TO	FIELD NAME	LENGTH	COBOL
1	18	PAF ID Alphanumeric. Mailing List Processing Acknowledgment Form ID. 1-4 Licensee ID (USPS assigned) 5-10 List Owner NAICS 11-12 Frequency of processing 13-18 List ID (Licensee assigned)	18	X(18)
19	68	Company Name	50	X(50)
69	118	Address	50	X(50)
119	146	City	28	X(28)
147	148	State	2	X(02)
149	153	ZIP Code	5	X(05)
154	157	Plus 4 Code	4	X(04)
158	167	Telephone Number	10	X(10)
168	217	Name of person signing PAF	50	X(50)
218	267	Title of person signing PAF	50	X(50)
268	275	Date Signed by Customer (Numeric. Format CCYYMMDD.)	8	9(8)
276	276	Type of PAF (I – Initial, R – Renewal, M – Modification)	1	X(1)
277	306	List Name	30	X(30)
307	321	Mailer ID (optional)*	15	X(15)
322	333	FILLER ( <i>Changed to FILLER no later than Oct. 1, 2009</i> )	12	X(12)
334	383	Parent Company	50	X(50)
384	433	Alternate Company Name Used for marketing purposes or “dba” name	50	X(50)
434	449	Broker/Agent ID 1-4 Licensee ID (USPS assigned) 5-10 Broker/Agent NAICS 11-16 Broker/Agent ID (Licensee assigned)	16	X(16)
450	457	Date Signed by Broker (Numeric. Format CCYYMMDD.)	8	9(8)
458	473	List Administrator ID 1-4 Licensee ID (USPS assigned) 5-10 List Administrator NAICS 11-16 List Administrator ID (Licensee assigned)	16	X(16)
474	481	Date Signed by List Administrator (Numeric. Format CCYYMMDD.)	8	9(8)
482	489	Date Signed by NCOA Licensee (Numeric. Format CCYYMMDD.)	8	9(8)
490	553	Email address of person signing PAF (optional)	64	X(64)
554	593	Company website (optional)	40	X(40)
594	594	Equivalent Alternative PAF Indicator – The literal ‘A’ in this field indicates an Alternative PAF was used.	1	X(1)
595	595	Cooperative Database Indicator: The literal ‘C’ in this field indicates the list owner is part of a cooperative database.	1	X(1)
596	599	FILLER	4	X(4)
600	600	RECORD TYPE H = Header / D = Detail CR/LF Carriage Return/Line Feed required at end of each record.	1	X(1)

**Note:** All numeric fields are right justified, zero filled. All alphanumeric fields are left justified, spaced filled.

**Note:** This file shall be submitted in standard ASCII text format and electronically transmitted to the NCSC. The file shall be named using “P,” the 4-character code assigned by the NCSC, the 1-character code for the month and the year with an extension of DAT. (e.g. PNAAC02.DAT)

A single PAF may be completed to cover processing for all lists submitted by the list owner provided that the official signing the document has the authority to do so for each separate list. If multiple lists are covered by a single PAF, Licensee must record "MULTIPLE" in the space provided for the PAF ID on the pre-printed PAF. When "MULTIPLE" appears as the PAF ID, an itemization of the list names and corresponding PAF IDs assigned to each must be recorded on the back of the PAF.

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

All PAF information may be maintained in a single dataset within Licensee's system. At the time of reporting, Licensee must provide a single record of the PAF information for each unique PAF ID which appears in the Customer Service Log for the corresponding time period. A second record for a PAF ID will be necessary only if the list is processed before and after PAF renewal during the month in which that PAF is renewed.

**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER  
LICENSEE PERFORMANCE REQUIREMENTS**

BROKER/AGENT / LIST ADMINISTRATOR INFORMATION Header Record (page 1 of 1)				
RECORD FROM	POSITION TO	FIELD NAME	LENGTH	COBOL
1	4	PLATFORM ID Alphanumeric. Licensee ID (USPS assigned)	4	X(4)
5	18	NUMBER OF RECORDS Total number of records in the Broker/Agent / List Administrator Information file excluding Header Record	14	9(14)
19	299	Filler	281	X(281)
300	300	RECORD TYPE H = Header / D = Detail	1	X(1)

BROKER/AGENT / LIST ADMINISTRATOR INFORMATION (page 1 of 1)				
RECORD FROM	POSITION TO	FIELD NAME	LENGTH	COBOL
1	16	Broker/Agent / List Administrator ID 1-4 Licensee ID (USPS assigned) 5-10 Broker/Agent / List Administrator NAICS 11-16 Broker/Agent / List Administrator ID (Licensee assigned)	16	X(16)
17	66	Company Name	50	X(50)
67	116	Address	50	X(50)
117	144	City	28	X(28)
145	146	State	2	X(02)
147	151	ZIP Code	5	X(05)
152	155	Plus 4 Code	4	X(04)
156	165	Telephone Number	10	X(10)
166	177	FILLER	12	X(12)
178	178	Broker (B) / List Administrator (L)	1	X(1)
179	218	Company Website (optional)	40	X(40)
219	299	FILLER	81	X(81)
300	300	RECORD TYPE H = Header / D = Detail	1	X(1)
		CR/LF Carriage Return/Line Feed required at end of each record.		

**Note:** All numeric fields are right justified, zero filled.

All alphanumeric fields are left justified, spaced filled.

**Note:** This file shall be submitted in standard ASCII text format and electronically transmitted to the NCSC. The file shall be named using "B," the 4-character code assigned by the NCSC, the 1-character code for the month and the year with an extension of DAT. (e.g. BNAAC02.DAT)

A Broker/Agent or List Administrator representative must sign the PAF of each of its customers. All information on these third parties may be maintained in a single dataset within Licensee's system. At the time of reporting, Licensee must provide a single record of the third party information for each unique ID which appears in the corresponding PAF Information Log.

A Broker/Agent is defined as an external third party who generates business for Licensee. The Broker/Agent may or may not actually handle the mailer's lists for processes other than NCOA<sup>Link</sup>. The Broker/Agent does not perform any address updates for the mailer.

A List Administrator is defined as a third party who maintains the database(s) of a mailing list owner. All address updates are performed by the List Administrator on behalf of the list owner. In instances where a list owner outsources maintenance of its data to Licensee, Licensee must be listed on the PAF and recorded in the Log files as the List Administrator.

**APPENDIX A**  
**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER**  
**LICENSEE PERFORMANCE REQUIREMENTS**  
**DPV<sup>®</sup> REQUIREMENT**

***Introduction***

The United States Postal Service<sup>®</sup> (USPS<sup>®</sup>) has a technology product that will help mailers validate the accuracy of their address information, right down to the physical delivery point. Mailers will be able to identify individual addresses within a mailing list that are potentially undeliverable-as-addressed due to an addressing deficiency. This technology is called the DPV<sup>®</sup> Product and is made available under license from USPS.

Although DPV can validate the accuracy of an existing address, it cannot be used to create address lists. The DPV Product is a secure dataset of the 145+ million USPS-delivered addresses; it does not contain addresses that are not delivered by USPS. Instead of clear-text data, DPV data is in a binary data format that is unintelligible to the reader. There is no text data embedded in the DPV data. Only by presenting an address and processing it using the specific logic defined by USPS can the user obtain any useful information. The information returned from a DPV inquiry is limited to a “YES/NO” interpretation. This is why DPV is not an address list; it cannot by itself be used to produce a listing of addresses.

**1. General Requirements**

- 1.1 DPV will be required by the NCOA<sup>Link</sup> Full Service Provider Licensees as an adjunct process in combination with the ZIP + 4<sup>®</sup> coding and NCOA<sup>Link</sup> processing.
- 1.2 To initiate and track the NCOA<sup>Link</sup>/DPV interface, a modified Certification process will be used. If the NCOA<sup>Link</sup> Full Service Provider Licensee is certified for DPV or DSF<sup>2</sup>™ processing, Licensee may use these processing methods to satisfy the NCOA<sup>Link</sup>/DPV requirement. If the NCOA<sup>Link</sup> Full Service Provider Licensee does not hold a certification for DPV or DSF<sup>2</sup>™ processing, Licensee can choose from the following options:
  - a. Select a CASS™ vendor with a DPV-enabled ZIP + 4 engine.
  - b. Write a proprietary interface for NCOA<sup>Link</sup>/DPV only. To exercise this option, the following will apply:
    1. Request, in writing, the DPV Interface Developer Guide.
    2. Develop or outsource development of DPV interface in accordance with the DPV Product License, DPV Licensee Performance Requirements, and the Interface Developer Guide.

**APPENDIX A**  
**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER**  
**LICENSEE PERFORMANCE REQUIREMENTS**  
**DPV<sup>®</sup> REQUIREMENT**

3. Request a Stage II CASS/DPV certification test when DPV Interface is completed.

**2. Specific Requirements**

- 2.1 Although only NCOA<sup>Link</sup> Full Service Provider Licensees under 1.2.b above will be issued a specific separate DPV license, except for the following, all Licensees shall be bound by the restrictions and requirements of that license (obtain the most current copy at [https://ribbs.usps.gov/dpv/documents/tech\\_guides/DPVLICA.PDF](https://ribbs.usps.gov/dpv/documents/tech_guides/DPVLICA.PDF)):
  - a. Section 2.1, Sole Purpose and Scope, of the DPV License Agreement – The NCOA<sup>Link</sup>/DPV interface will not be allowed to be “...incorporated into one or more products to be marketed by Licensee in its own name to mailers and subsequent software integrators in their own name...” The NCOA<sup>Link</sup>/DPV interface is not authorized to be sub-licensed or repackaged/resold from the NCOA<sup>Link</sup> Licensee to any other vendor for DPV processing (unless independently licensed as a DPV Licensee and then only to authorized NCOA<sup>Link</sup> Full Service Provider Licensees).
  - b. Section 3.1, Grant of Rights, of the DPV License Agreement –: NCOA<sup>Link</sup> Full Service Provider Licensees may develop their own interface or outsource to have it written. They do not have to be “... a Coding Accuracy Support System (CASS)-certified software developer...”
- 2.2 For NCOA<sup>Link</sup> Full Service Provider Licensees choosing option 1.2.b to write a proprietary NCOA<sup>Link</sup>/DPV only interface, the following exceptions are also permitted:
  - a. Section 6.1, Payments, of the DPV License Agreement – Licensee will not be required to pay the DPV license fee for an interface used solely to fulfill this NCOA<sup>Link</sup>/DPV requirement.
  - b. Section 5.6.2.1, Specific Requirements, of the DPV Licensee Performance Requirements – Licensee will not need to create a “one time only, restart code” since the product will be utilized in-house only.
  - c. Section 5.2, Specific Requirements, of the DPV Licensee Performance Requirements – Licensee will not be required to encapsulate or encrypt the DPV-integrated product since it cannot be resold or remarketed and must be used in-house only.

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**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER**  
**LICENSEE PERFORMANCE REQUIREMENTS**  
**DPV<sup>®</sup> REQUIREMENT**

**3. Standards of Performance**

- 3.1 NCOA<sup>Link</sup> Full Service Provider Licensees must conform to the latest published version of the DPV Licensee Performance Requirements. Any changes will be published at [https://ribbs.usps.gov/dpv/documents/tech\\_guides/DPV\\_LPR.PDF](https://ribbs.usps.gov/dpv/documents/tech_guides/DPV_LPR.PDF).
- 3.2 NCOA<sup>Link</sup> Full Service Provider Licensees will process DPV only as a part of NCOA<sup>Link</sup> processing. Processing of address lists solely for DPV only is not authorized. If a DPV enabled CASS Certified ZIP + 4 product is obtained independently then the use of the CASS/DPV product is allowed as part of the NCOA<sup>Link</sup> process as well as outside the NCOA<sup>Link</sup> process.
- 3.3 NCOA<sup>Link</sup> Full Service Provider Licensees will complete a DPV process for all address lists presented for NCOA<sup>Link</sup> processing whether or not the customer wishes to have the DPV footnote information.
- 3.4 NCOA<sup>Link</sup> Full Service Provider Licensees will provide DPV footnote information in accordance with the DPV Licensee Performance Requirements as requested by the customer.
- 3.5 NCOA<sup>Link</sup>/DPV interface will be tested with a CASS/DPV Stage II test file in accordance with the DPV license.
- 3.6 The software used by NCOA<sup>Link</sup> Full Service Provider Licensees for NCOA<sup>Link</sup> processing will not be required to terminate DPV processing when a False Positive address is encountered on a mailer's file. In this instance, the list can be processed to completion but may not be released to the mailer until authorization to do so is received from the National Customer Support Center.
- 3.7 The Full Service Provider Licensee is required to collect all addresses matched to False Positives and submit the addresses to the NCSC via email to [dsf2stop@usps.gov](mailto:dsf2stop@usps.gov) in the format provided below, along with the mailer's name, the total number of addresses processed and number of addresses matched. This information will be analyzed to determine whether the processed list can be returned to the mailer.

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**DPV<sup>®</sup> REQUIREMENT**

**DPV FALSE POSITIVE HEADER RECORD**

Ref #	Field	Logical Length	Field Begin	Field End
1	Mailer's Company Name	40	1	40
2	Mailer's Address Line	58	41	98
3	Mailer's City Name	28	99	126
4	Mailer's State Name	02	127	128
5	Mailer's 9 Digit ZIP	09	129	137
6	Total Records Processed	09	138	146
7	Total Records DPV Matched	09	147	155
8	Total Potential ZIP + 4 Records	09	156	164
9	% Match Rate to DPV	09	165	173
10	Number of ZIP Codes on File	05	174	178
11	Number of False Positives	02	179	180

**DPV FALSE POSITIVE DETAIL RECORD**

Ref #	Field	Logical Length	Field Begin	Field End
1	Street Pre-Directional	02	1	2
2	Street Name	28	3	30
3	Street Suffix Abbr.	04	31	34
4	Street Post-Directional	02	35	36
5	Address Primary Number	10	37	46
6	Address Secondary Abbr.	04	47	50
7	Address Secondary Number	08	51	58
8	Matched ZIP Code	05	59	63
9	Matched Plus 4	04	64	67
10	Filler	113	68	180

Reference numbers 1 through 7 are from the input address.  
Reference numbers 8 through 9 are from the matched records.

**4.0 REPORTS AND ADMINISTRATIVE REQUIREMENTS**

- 4.1 NCOA<sup>Link</sup> Licensees will provide USPS with a monthly electronic statistics report. The statistical information required is incorporated into the NCOA<sup>Link</sup> Full Service Provider Customer Service Log which can be found under Exhibit H.

**APPENDIX B**  
**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER**  
**LICENSEE PERFORMANCE REQUIREMENTS**  
**LACS<sup>Link</sup>® REQUIREMENT**

***Introduction***

The United States Postal Service<sup>®</sup> (USPS<sup>®</sup>) has a technology product that will help mailers obtain corrected address information for addresses which have been renamed or renumbered. Mailers will be able to identify individual addresses within a mailing list that are potentially undeliverable-as-addressed due to an address conversion. This technology is called the LACS<sup>Link</sup>® Product and is made available under license from USPS.

Although the LACS<sup>Link</sup> Product can correct an existing address, it cannot be used to create address lists. Only by presenting an address and processing it using the specific logic defined by USPS can the user obtain any useful information. The information returned from a LACS<sup>Link</sup> inquiry is limited to the converted representation of the same address. This is why LACS<sup>Link</sup> is not an address list; it cannot by itself be used to produce a listing of addresses.

**1. General Requirements**

- 1.1 NCOA<sup>Link</sup> Full Service Provider Licensees shall be required to offer LACS<sup>Link</sup> services.
- 1.2 NCOA<sup>Link</sup> Full Service Provider Licensees shall obtain a certified LACS<sup>Link</sup> interface through software development or purchase of a commercially available product.
- 1.3 NCOA<sup>Link</sup> Full Service Provider Licensees may obtain the LACS<sup>Link</sup> Product directly from USPS by executing a LACS<sup>Link</sup> End User License Agreement

**2. Specific Requirements**

- 2.1 All NCOA<sup>Link</sup> Full Service Provider Licensees shall be bound by the restrictions and requirements of the LACS<sup>Link</sup> End User License Agreement and Licensee Performance Requirements (obtain the most current copy at [https://ribbs.usps.gov/lacslink/documents/tech\\_guides/EU\\_INFO/LACSLINK\\_EU\\_LPR.PDF](https://ribbs.usps.gov/lacslink/documents/tech_guides/EU_INFO/LACSLINK_EU_LPR.PDF)) with the following exception:
  - 2.1.1 Section 10.1, Payments, of the LACS<sup>Link</sup> End User License Agreement – Licensee will not be required to pay the LACS<sup>Link</sup> license fee to obtain data used solely to fulfill this requirement.

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**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER**  
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**LACS<sup>Link</sup>® REQUIREMENT**

2.2 NCOA<sup>Link</sup> Full Service Provider Licensees will not be required to obtain a “one time only, restart code” upon encountering False Positive addresses within LACS<sup>Link</sup>. Developers of NCOA<sup>Link</sup> Full Service Provider software interfaces are granted an exception to the LACS<sup>Link</sup> Developer Licensee Performance Requirements to accommodate this exception as follows:

2.2.1 Section 4.5, Specific Requirements, of the LACS<sup>Link</sup> Developer Licensee Performance Requirements – for software to be used only by NCOA<sup>Link</sup> Full Service Providers, LACS<sup>Link</sup> Developer Licensees will not need to create a “one time only, restart code”.

**3. Standards of Performance**

- 3.1 The use of the LACS<sup>Link</sup> Product is allowed either as a standalone service or as an adjunct process in combination with ZIP + 4<sup>®</sup> coding and NCOA<sup>Link</sup> processing.
- 3.2 LACS<sup>Link</sup> interface will be tested with a CASS<sup>™</sup>/LACS<sup>Link</sup> Stage II test file in accordance with the LACS<sup>Link</sup> Developer license. Separate certification for LACS<sup>Link</sup> End User Licensees is not required.
- 3.3 The software used by NCOA<sup>Link</sup> Full Service Provider Licensees for NCOA<sup>Link</sup> processing will not be required to terminate LACS<sup>Link</sup> processing when a False Positive address is encountered on a mailer’s file. In this instance, the list can be processed to completion but may not be released to the mailer until authorization to do so is received from the National Customer Support Center.
- 3.4 NCOA<sup>Link</sup> Full Service Provider Licensee is required to collect all addresses matched to False Positives and submit the addresses to the NCSC via email to [dsf2stop@usps.gov](mailto:dsf2stop@usps.gov) in the format provided below, along with the mailer’s name, the total number of addresses processed and number of addresses matched. This information will be analyzed to determine whether the processed list can be returned to the mailer.

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**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER**  
**LICENSEE PERFORMANCE REQUIREMENTS**  
**LACS<sup>Link</sup>® REQUIREMENT**

**LACS<sup>Link</sup> FALSE POSITIVE HEADER RECORD**

Ref #	Field	Logical Length	Field Begin	Field End
1	Mailer's Company Name	40	1	40
2	Mailer's Address Line	58	41	98
3	Mailer's City Name	28	99	126
4	Mailer's State Name	02	127	128
5	Mailer's 9 Digit ZIP	09	129	137
6	Total Records Processed	09	138	146
7	Total Records LACS <sup>Link</sup> Matched	09	147	155
8	Filler	25	156	180

**LACS<sup>Link</sup> FALSE POSITIVE DETAIL RECORD – OPTION 1**

Ref #	Field	Logical Length	Field Begin	Field End
1	Street Pre-Directional	02	1	2
2	Street Name	28	3	30
3	Street Suffix Abbr.	04	31	34
4	Street Post-Directional	02	35	36
5	Address Primary Number	10	37	46
6	Address Secondary Abbr.	04	47	50
7	Address Secondary Number	08	51	58
8	Matched ZIP Code	05	59	63
9	Matched Plus 4	04	64	67
10	Filler	113	68	180

Reference numbers 1 through 9 are from the input address.

**LACS<sup>Link</sup> FALSE POSITIVE DETAIL RECORD – OPTION 2**

Ref #	Field	Logical Length	Field Begin	Field End
1	Input Address	64	1	64
2	Matched ZIP Code	05	65	69
3	Matched Plus 4	04	70	73
4	Filler	107	74	180

**4. REPORTS AND ADMINISTRATIVE REQUIREMENTS**

- 4.1 NCOA<sup>Link</sup> Full Service Provider Licensees will provide USPS with a monthly electronic statistics report. The statistical information required for LACS<sup>Link</sup> reporting is incorporated into the NCOA<sup>Link</sup> Full Service Provider Customer Service Log which can be found under Exhibit H.

**APPENDIX C**  
**NCOA<sup>Link®</sup> FULL SERVICE PROVIDER**  
**LICENSEE PERFORMANCE REQUIREMENTS**  
**Suite<sup>Link®</sup> REQUIREMENT**

***Introduction***

The United States Postal Service<sup>®</sup> (USPS<sup>®</sup>) has developed a technology product called the Suite<sup>Link®</sup> Product. This product will enable mailers to provide improved business addressing information by adding known secondary (suite) information to business addresses, which will allow USPS delivery sequencing where it would not otherwise be possible. The Suite<sup>Link</sup> Product is made available under license from USPS.

Records that have been processed through CASS Certified<sup>™</sup> ZIP + 4<sup>®</sup> matching software and identified as highrise defaults are potential candidates for Suite<sup>Link</sup> processing. The input data is queried using one or more keys, which are built using significant words in a building's Enhanced Modified Delivery Point (EMDP) of the business name and address, through the secure hash algorithm. The keys are then used to probe the data table and keys that successfully match the table must then be evaluated to build a sufficient confidence level before applying the suite information to the default address. The Suite<sup>Link</sup> System cannot be used as part of a standalone process.

**1. General Requirements**

- 1.1. NCOA<sup>Link</sup> Full Service Provider Licensees shall be required to offer Suite<sup>Link</sup> services.
- 1.2. NCOA<sup>Link</sup> Full Service Provider Licensees shall obtain (either by lease, purchase or through software development) a USPS licensed and certified Suite<sup>Link</sup> Interface Product.
- 1.3. NCOA<sup>Link</sup> Full Service Provider Licensees will obtain the Suite<sup>Link</sup> Product directly from USPS. If the Full Service Provider Licensee wishes to redistribute the Suite<sup>Link</sup> data to customers and pay the applicable fee for Data Distribution, the Suite<sup>Link</sup> Data User/Data Distributor License Agreement must be executed.

**2. Specific Requirements**

- 2.1. All NCOA<sup>Link</sup> Full Service Provider Licensees shall be bound by the restrictions and requirements of the Suite<sup>Link</sup> Data User/Data Distributor License Agreement and Licensee Performance Requirements (obtain the most current copy at [https://ribbs.usps.gov/suitelink/documents/tech\\_guides/DIST\\_INFO/SUITELINK\\_INTERFACE\\_DATA\\_DIST\\_LPR.PDF](https://ribbs.usps.gov/suitelink/documents/tech_guides/DIST_INFO/SUITELINK_INTERFACE_DATA_DIST_LPR.PDF)) with the following exception:

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**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER**  
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**Suite<sup>Link</sup>® REQUIREMENT**

- 2.1.1. Section 10.1, Payments, of the Suite<sup>Link</sup> Data User/Data Distributor License Agreement – Licensee using the Suite<sup>Link</sup> data solely to fulfill this requirement will not be required to pay the Suite<sup>Link</sup> license fee to obtain data directly from the USPS.
- 2.2. Licensees must utilize a monthly ZIP + 4<sup>®</sup> and City/State Product with the Suite<sup>Link</sup> Product to provide the most up-to-date business addressing information. Refer to Figure 2 for acceptable use dates for these products.
- 2.3. Licensees must use CASS Certified Address Matching Software for all standardized ZIP + 4 coded input addresses to query the Suite<sup>Link</sup> Product.

**3. Standards of Performance**

- 3.1 The Suite<sup>Link</sup> System cannot be run as part of a standalone process.
- 3.2 The Suite<sup>Link</sup> Interface Product will be tested with the CASS/Stage II test file in accordance with the Suite<sup>Link</sup> Developer license. Separate certification for Full Service Providers processing the Suite<sup>Link</sup> Product is not required.
- 3.3 NCOA<sup>Link</sup> Full Service Provider Licensees will complete a Suite<sup>Link</sup> process for all business address lists presented for NCOA<sup>Link</sup> processing whether or not the customer wishes to have the Suite<sup>Link</sup> data and return code information.

**4. Reports and Administrative Requirements**

- 4.1 NCOA<sup>Link</sup> Full Service Provider Licensees must provide USPS with a monthly electronic statistics report. The statistical information required for Suite<sup>Link</sup> reporting is incorporated into the NCOA<sup>Link</sup> Full Service Provider Customer Service Log which can be found under Exhibit H.

**APPENDIX D**  
**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER**  
**LICENSEE PERFORMANCE REQUIREMENTS**  
**MAIL PROCESSING AGENT PROGRAM**

***Introduction***

The USPS<sup>®</sup> has authorized the use of a separate Processing Acknowledgement Form (PAF), entitled the NCOA<sup>Link</sup>® Mail Processing Agent Processing Acknowledgement Form (MPA PAF), to be submitted to NCOA<sup>Link</sup> Full Service Provider Licensees to process mailing lists used in the preparation of a mailing for acceptance, handling and delivery exclusively by USPS.

The purpose of the NCOA<sup>Link</sup> Mail Processing Agent program is to allow NCOA<sup>Link</sup> Full Service Provider Licensees to process mailing lists for which updated address information cannot be returned to the original list owners or other parties submitting address lists for processing.

Listed below are the difference between the regular NCOA<sup>Link</sup> PAF and the MPA PAF.

NCOA<sup>Link</sup> PAF vs. MPA PAF

- 1) NCOA<sup>Link</sup> PAF – The NCOA<sup>Link</sup> PAF is submitted with an address list for processing when an updated address list is returned to the party that submits the PAF. That party may then return the updated address list to the mailer or the owner of the address list who is indicated on the PAF. This PAF may be submitted to all types of NCOA<sup>Link</sup> Service Providers.
- 2) NCOA<sup>Link</sup> MPA PAF – The MPA PAF can be submitted only to NCOA<sup>Link</sup> Full Service Providers by a party that uses an address list of another party to prepare mail that the Mail Processing Agent then deposits with USPS. Both the Mail Processing Agents and NCOA<sup>Link</sup> Full Service Providers are required to destroy the updated address lists, and are not authorized to release the updated address lists to other parties, including the party that originally provided the address list to the Mail Processing Agent.

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**MAIL PROCESSING AGENT PROGRAM**

**1. General Requirements**

- 1.1. The Mail Processing Agent program is solely for NCOA<sup>Link</sup> processing by a Full Service Provider who receives a properly completed MPA PAF from a Mail Processing Agent. Neither Limited Service Providers nor third parties can broker full service NCOA<sup>Link</sup> services to Mail Processing Agents.
- 1.2. The Mail Processing Agent must not use updated address lists to create new movers' lists nor shall the Agent use updated lists for any purpose other than mailing the original mail pieces from the original list owner or other party that furnishes it with an address list. Furthermore, the Agent must not disclose any updated address information to any third parties for any purpose whatsoever.
- 1.3. The USPS has the right to audit and inspect Mail Processing Agents' NCOA<sup>Link</sup> processes and procedures without prior notice. Mail Processing Agents must retain copies of MPA PAFs for six (6) years after depositing mail with USPS, and maintain records of dates on which it destroyed mailing lists after depositing mail with USPS.
- 1.4. Since no updated address information will be returned to the original list owners or other parties outside of the U.S. territory, foreign based processing is permitted with this program. However Mail Processing Agents must reside within the U.S. territory.

**2. Specific Requirements**

- 2.1. Licensee shall only return the updated list to the Mail Processing Agent. Updated address information shall not be returned to the original list owners or other party that has furnished the address list that Mail Processing Agent submits to the NCOA<sup>Link</sup> Full Service Provider.
  - 2.1.1. If the original list owners request to receive the updated address information, the list owner cannot participate in the Mail Processing Agent program. Instead, they must follow the standard NCOA<sup>Link</sup> procedures, including completing the standard NCOA<sup>Link</sup> PAF.
- 2.2. Once the Licensee returns the updated mailing list to the Mail Processing Agent, the Agent must destroy both the original and updated lists and any replications or derivatives thereof, within 30 calendar days from the date the mail pieces are deposited in the mail stream. The Mail Processing Agent may wish to use the

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updated mailing list and deposit the mail as expeditiously as possible because the Licensee similarly is required to destroy the original and updated address lists.

- 2.3. Licensee must destroy both the original and updated lists within 45 days from the date the updated list is returned to the Mail Processing Agent.

**3. Processing Requirements**

- 3.1. Mail Processing Agents must submit to Full Service Providers a minimum of 100 unique names and addresses for each list for NCOA<sup>Link</sup> processing. Mail Processing Agents cannot combine smaller lists it receives from different parties to achieve the minimum of 100 unique names and addresses.
- 3.2. As part of full service NCOA<sup>Link</sup> processing, DPV<sup>®</sup>, LACS<sup>Link®</sup> and Suite<sup>Link®</sup> processing must be performed on lists from Mail Processing Agents. Licensees shall be bound by all requirements and restrictions for the abovementioned Products, unless USPS elects to grant written exceptions to an NCOA<sup>Link</sup> Full Service Provider Licensee.
- 3.3. Licensee performing NCOA<sup>Link</sup> processing for Mail Processing Agents are limited to the following three (3) processing modes: Business and Individual (C); Individual (I); and Business (B).
- 3.4. Once lists have been processed through the NCOA<sup>Link</sup> service, records with a return code of 01 (Foreign Move), 02 (Moved Left No Address – MLNA) or 03 (Box Closed No Order – BCNO) must be suppressed if the time period is longer than 18 months. However if the records with the aforementioned return codes are less than 18 months, Licensee may elect to mail to these addresses.

**4. Reporting**

- 4.1. The Mailing Processing Agents must utilize the Mail Processing Agent NCOA<sup>Link</sup> PAF and Required Text document with this program. The Mail Processing Agent PAF and Required Text Documents are posted to the RIBBS website at [https://ribbs.usps.gov/ncoalink/documents/tech\\_guides/FSP\\_INFO/](https://ribbs.usps.gov/ncoalink/documents/tech_guides/FSP_INFO/). For specific information on the completion of the Mail Processing Agent NCOA<sup>Link</sup> PAF, please reference the PAF Guide on the RIBBS website at [https://ribbs.usps.gov/ncoalink/documents/tech\\_guides/PAF\\_GUIDE.PDF](https://ribbs.usps.gov/ncoalink/documents/tech_guides/PAF_GUIDE.PDF).

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- 4.1.1. In the List ID, which is positions 13 –18 of the PAF ID, position 13 must begin with the symbol '@' to identify lists processed for Mail Processing Agents.

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**REQUIRED TEXT**

<<Full Service Provider Licensee>> is a non-exclusive Licensee of the USPS<sup>®</sup> (United States Postal Service<sup>®</sup>) to provide Full Service NCOA<sup>Link</sup>, ZIP + 4<sup>®</sup> Coding, DPV<sup>®</sup>, LACS<sup>Link</sup> and Suite<sup>Link</sup> processing to <<Mail Processing Agent>>, a Mail Processing Agent.

Full Service Providers receive the full 48 month data set weekly under direct license from the USPS.

The full NCOA<sup>Link</sup> file is a consolidated file of move information that on average contains approximately 160 million permanent changes-of-address (COAs) filed with the United States Postal Service (USPS). These COAs are retained on the file for a four-year period from the move-effective date and the file is updated weekly.

Before being added to the NCOA<sup>Link</sup> file, the **Old** address supplied by the Postal customer must be ZIP + 4 coded. The **New** addresses must be ZIP + 4 coded and validated using the USPS' proprietary database of actual delivery points. (NOTE: The delivery point database does not include NAMES or COA information.) Each delivery point confirmed **New** address is included on the NCOA<sup>Link</sup> file. If unable to validate the **New** address, the NCOA<sup>Link</sup> process will indicate that a move exists but will not provide the undeliverable **New** address.

**New** address information is provided only when a match to the input name and address is attained. The typical profile of the **New** address information contained on the NCOA<sup>Link</sup> file is as follows:

- 80.92% Forwardable moves containing delivery point confirmed **New** addresses –  
**New** address provided
- 1.18% Moves containing unconfirmed **New** addresses – **New** address not provided
- 13.80% Moved, left no address
- 3.92% PO Box Closed
- 0.18% Foreign moves

When possible, postal customers who move multiple times within the NCOA<sup>Link</sup> time period are “linked” or “chained” to ensure that the latest address is furnished when an NCOA<sup>Link</sup> match is attained. This is not always possible if subsequent COAs are not filed in exactly the same manner as a COA filed previously (e.g., name spelling differences or conflicting secondary information).

The provision of change of address information is controlled by strict name and address matching logic. However, some address updates are based on near matches. NCOA<sup>Link</sup> processing will only provide new address information when queried with a specific algorithm of the name and input address from a mailers address list which matches the information on the NCOA<sup>Link</sup> Product. Data contained in and information returned by NCOA<sup>Link</sup> is determined by the name and move type (Business, Individual or Family; however the Family move type is not applicable to the Mail Processing Agent Program) indicated on a Postal customer's Change of Address form.

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The data contained within the NCOA<sup>Link</sup> Product is comprised of approximately 40% family moves, 54% individual moves, and 6% business moves.

All matches made to the NCOA<sup>Link</sup> file require a ZIP + 4 coded, parsed input address.

The three types of processing modes available to Mail Processing Agents are Business and Individual (C); Individual (I); and Business (B).

**Business and Individual Processing Mode (C)**

- The NCOA<sup>Link</sup> customer may choose to omit all “Family” match inquiries and allow only “Individual” and “Business” matches to be acceptable. This matching process is also known as C Processing Mode.

**Individual Processing Mode (I)**

- The NCOA<sup>Link</sup> customer may also choose to omit “Business” match inquiries when processing individual names for mailing lists that contain no business addresses.

**Business Processing Mode (B)**

- The NCOA<sup>Link</sup> customer may choose to process for only “Business” matches when processing a “Business-to-Business” mailing list which contains no residential (Individual or Family) addresses.

The USPS has established a process called the “Rules Table.” This process will produce matches that otherwise would not be possible, e.g. JOHNY and JOHNNY.

The USPS has created a standard nickname list, which allows for alternate presentations of an input name, i.e. James and Jim. The standard nickname list allows for potential matches to the NCOA<sup>Link</sup> data set. Only reasonable derivatives of the original input name are acceptable.

Occasionally matches will be made based on the above processes.

The standard output of a USPS Full Service NCOA<sup>Link</sup> process for the Mail Processing Agent is:

- a) Each original unaltered input name and address as it was presented.
- b) The standardized new (updated) address from all processes, including CASS, DPV, LACS<sup>Link</sup> and Suite<sup>Link</sup>, appended with the correct ZIP + 4/DPC, 11-digit Delivery Point Barcode (DPBC) and carrier route information.
- c) When a match is made, the following elements must be returned: the move effective date, the specific name and address utilized in the query that obtained the match, and the move type. The move type is determined by the Interface based on the specific name inquiry utilized to obtain the match.
- d) The urbanization name information, when applicable.

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- e) The carrier route information for the standardized input address or the standardized new (updated) addresses.
- f) DPV results for the input address, if requested.
- g) LACS<sup>Link</sup> results, if requested.
- h) Suite<sup>Link</sup> results, if requested.
- i) Processing summary report containing information to identify the specific list and the statistics resulting from the NCOA<sup>Link</sup> process performed on the list.

The Mail Processing Agent must submit a minimum of 100 unique names and addresses on each mailing list for NCOA<sup>Link</sup> processing exclusively for acceptance, handling and delivery by the USPS. The Full Service Provider must only return the updated list to the Agent. Upon receipt of the updated mailing lists, Agent must destroy the original and updated mailing lists within 30 days from the date the mail pieces are deposited into the mail stream.

The Mail Processing Agent cannot use this process for the purpose of returning updated mailing lists to its customers. To obtain the updated lists, Agent's customers must use the standard NCOA<sup>Link</sup> process and complete the standard NCOA<sup>Link</sup> Processing Acknowledgement Form (PAF).

The Mail Processing Agent shall not disclose any updated address information to any third parties for any purpose whatsoever.

NCOA<sup>Link</sup> processing has the potential to reduce returned mail, yet the USPS does not make any guarantees, express or implied, on the reduction of such mail. Thus any costs associated with returned mail are the Licensees' and/or their Mail Processing Agent's sole responsibility.

A Mail Processing Agent with questions about the specific results returned from an NCOA<sup>Link</sup> process must first contact the NCOA<sup>Link</sup> Full Service Provider for explanation and resolution.

Prior to the processing of NCOA<sup>Link</sup> data, every Mailing Processing Agent must have completed and returned to their NCOA<sup>Link</sup> Full Service Provider Licensee the "MAIL PROCESSING AGENT NCOA<sup>Link</sup> PROCESSING ACKNOWLEDGEMENT FORM (FULL SERVICE PROCESSING ONLY)" provided to them by their Licensee. It is inappropriate to misrepresent any of the information on the form. Punitive action will be taken by the USPS if the Mail Processing Agent or Licensee is found to have knowingly supplied false information. Depending on the severity of the offense, actions may include litigious or even criminal charges being brought against the offender.

If USPS determines that a Mail Processing Agent is not in compliance with the guidelines set forth in the Mail Processing Agent NCOA<sup>Link</sup> Processing Acknowledgement Form, the NCOA<sup>Link</sup> Mail Processing Agent Information Package and/or any documentation pertaining to this program, the USPS, at its sole discretion, has the right to prohibit all NCOA<sup>Link</sup> Full Service Provider Licensees from entering into an agreement with the Agent to perform mail processing services.

**APPENDIX D**  
**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER**  
**LICENSEE PERFORMANCE REQUIREMENTS**  
**MAIL PROCESSING AGENT PROGRAM**

USPS, or its designated agents or representatives, shall have the right to visit Agent's premises and examine Agent's computer systems, processing files, documents, and other materials relating to the Mail Processing Agent program with or without notice to the Agent. Agent shall provide USPS or its agents or representatives access during normal business hours to the premises, books, and records that relate to the use of the program by Agent.

The following trademarks are owned by the United States Postal Service<sup>®</sup>: CASS, DPV, LACS<sup>Link</sup>, NCOA<sup>Link</sup>, Suite<sup>Link</sup>, USPS and ZIP + 4.

APPENDIX D



**MAIL PROCESSING AGENT NCOA<sup>Link</sup><sup>®</sup>**  
**PROCESSING ACKNOWLEDGEMENT FORM**  
**(FULL SERVICE PROVIDER PROCESSING ONLY)**

The collection of information on this Processing Acknowledgement Form (PAF) is required by the Privacy Act of 1974. The United States Postal Service<sup>®</sup> (USPS<sup>®</sup>) requires that each NCOA<sup>Link</sup> Full Service Provider Licensee have a completed NCOA<sup>Link</sup> PAF for each of their NCOA<sup>Link</sup> Mail Processing Agents prior to providing the NCOA<sup>Link</sup> service. The Full Service Provider Licensee is also required by the USPS to retain a copy of the completed form for each of its Mail Processing Agents and to obtain an updated PAF from each of its Mail Processing Agents at minimum once per year. Any signature upon this PAF shall be considered valid for all purposes and have the same effect whether it is an ink-signed hardcopy document or equivalent alternative.

**MAIL PROCESSING AGENT**

\_\_\_\_\_  
 Company Name

\_\_\_\_\_  
 Address

\_\_\_\_\_  
 City State ZIP+4

\_\_\_\_\_  
 Telephone Number Fax Number NAICS

\_\_\_\_\_  
 Email Address USPS Mailer ID

I, the undersigned, an authorized representative of \_\_\_\_\_, a Mail Processing Agent, do hereby acknowledge that I have received, reviewed and agree to comply with the terms in the NCOA<sup>Link</sup> Full Service Provider Mail Processing Agent Information Package supplied to me by \_\_\_\_\_, an NCOA<sup>Link</sup> Full Service Provider Licensee. I understand that the sole purpose of the NCOA<sup>Link</sup> service is to provide a mailing list correction service for lists that will be used for preparation of mailings. I understand that NCOA<sup>Link</sup> may not be used to create or maintain new movers' lists. Furthermore I agree to the following terms and conditions:

- Agent must submit to the Full Service Provider Licensee a minimum of 100 unique names and addresses on each mailing list for NCOA<sup>Link</sup> processing for acceptance, handling and delivery by the USPS.
- Agent will not return updated address records to the original owner nor will the updated list be used for any purpose other than for mailing the original mail pieces from the original mailing list owner.
- Agent must destroy the original and updated mailing list within 30 days from the date the mail pieces are deposited into the mail stream.
- Agent acknowledges that the USPS has the right to audit and inspect the Agent's processes and procedures pertaining to the NCOA<sup>Link</sup> service without prior notice.
- Agent shall not disclose any updated address information to any third parties for any purpose whatsoever.
- Agent understands that failure to comply with these terms and conditions may result in the loss of eligibility to participate in the NCOA<sup>Link</sup> Mail Processing Agent Program.

\_\_\_\_\_  
 Name (Please print) Title

\_\_\_\_\_  
 Signature Date

\_\_\_\_\_  
 Parent Company Name

**FULL SERVICE PROVIDER LICENSEE**

\_\_\_\_\_  
 Business Name (Please print)

\_\_\_\_\_  
 Name (Please print) Title

\_\_\_\_\_  
 Signature Date

\_\_\_\_\_  
 Telephone Number Fax Number PAF ID

**APPENDIX E**  
**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER**  
**LICENSEE PERFORMANCE REQUIREMENTS**  
**MAIL PROCESSING EQUIPMENT (MPE)**  
**WIDE AREA NETWORK (WAN) METHOD**

**NCOA<sup>Link</sup> MPE Wide Area Network Method**

USPS has authorized the use of an NCOA<sup>Link</sup> Mailpiece Processing Equipment (MPE) Wide Area Network (WAN) Method to prepare and update address information for customers' existing mailpieces for USPS acceptance and delivery. Mailers will be able to provide the following mail processing services:

- New address when a name and old address match the change-of-address file
- Detection of undeliverable addresses due to change of address

The NCOA<sup>Link</sup> MPE WAN Method allows the use of a MASS<sup>TM</sup> certified Multiline Optical Character Reader (MLOCR) to electronically lift address information from a mailpiece so it can be standardized and processed against the NCOA<sup>Link</sup> database using a WAN connection to a remote server containing the NCOA<sup>Link</sup> data.

**How the process works**

The MLOCR reads the address information from the mailpiece using a specific vision system and lifts the information from the mailpiece, translating it into a file format specific to the vision system using the MPE WAN Product. The information in the image is then processed through CASS Certified software, which standardizes the address information. Once the image is processed through CASS Certified software, fuzzy logic is applied to grade the translation of the image and provide various alternatives for the address lookup. The fuzzy logic return is then parsed and encrypted by the MPE WAN Product and sent to a remote server housing the NCOA<sup>Link</sup> data. The address is processed against the NCOA<sup>Link</sup> data. Address updates are returned in an encrypted format and reprocessed through the MPE WAN Product. The updated address information is sent to the MLOCR for spraying onto the mailpiece.

**1. General Requirements**

- 1.1. Any Mailer wishing to utilize the NCOA<sup>Link</sup> MPE WAN Method must first successfully complete the certification process prior to using the NCOA<sup>Link</sup> MPE WAN Method.

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**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER**  
**LICENSEE PERFORMANCE REQUIREMENTS**  
**MAIL PROCESSING EQUIPMENT (MPE)**  
**WIDE AREA NETWORK (WAN) METHOD**

Each MASS™ certified MLOCR using the NCOA<sup>Link</sup> MPE WAN Product must be reviewed, tested and approved for use at Mailer's site(s) by USPS prior to any actual NCOA<sup>Link</sup> MPE WAN processing occurring in a production environment to ensure all certification requirements are met. After reviewing and testing, USPS will provide Mailer with written approval of their certification for use of the NCOA<sup>Link</sup> MPE WAN Method.

- 1.2. The USPS has the right to audit and inspect Mailer's NCOA<sup>Link</sup> MPE WAN processes and procedures without prior notice.

**2. Specific Requirements**

- 2.1. Mailer must use a USPS certified NCOA<sup>Link</sup> MPE WAN Product installed on a MASS certified MLOCR to access the remote NCOA<sup>Link</sup> server.
- 2.2. If Mailer makes changes to their existing MASS certified hardware system(s), including changing NCOA<sup>Link</sup> service providers and/or hardware manufacturers, moving, relocating, upgrading, reassembling, or changes in ownership, both MASS and NCOA<sup>Link</sup> MPE WAN recertification are required.

**3. MPE 00 Table**

- 3.1. The MPE 00 table is a cumulative file containing all of the ZIP + 4 codes in an 18-month period that have an active COA on file.
- 3.2. This table will be distributed on a separate DVD and must be synchronized with the weekly NCOA<sup>Link</sup> data updates.
- 3.3. The MPE 00 table cannot be used in a list processing environment. It can only be used in the following environments:
  - NCOA<sup>Link</sup> WAN (cloud)
  - NCOA<sup>Link</sup> Limited Service (installed on MLOCRs)
  - MPE (installed on MLOCRs)
- 3.4. To use this table, no additional testing outside of normal recertification is required.
- 3.5. No additional reporting outside of the standard CSL and PAF reports is required.
- 3.6. The NCOA<sup>Link</sup> licensee shall encapsulate the 00 table as received from the USPS into a secure form subject to approval by USPS. Licensee must ensure the 00 table

**APPENDIX E**  
**NCOA<sup>Link</sup>® FULL SERVICE PROVIDER**  
**LICENSEE PERFORMANCE REQUIREMENTS**  
**MAIL PROCESSING EQUIPMENT (MPE)**  
**WIDE AREA NETWORK (WAN) METHOD**

is distributed in the secure form that will only allow interaction with certified NCOA<sup>Link</sup> software.

- 3.6.1. Licensee's NCOA<sup>Link</sup> integrated software product in its secure form shall render the 00 table unusable to unauthorized access by customers, other software developers, or independent use.