
Appendix 8

Residential Delivery Indicator (RDI) Utility

Residential Delivery Indicator (RDI)

The Residential Delivery Indicator (RDI) is a licensed product of the United States Postal Service. RDI licensees must be parcel shippers, their agent or analysis. The RDI user/licensee attempts to determine the best cost for shipping their packages based upon the fact that some delivery services charge a higher price for a residential delivery than a business delivery.

RDI will help users/licensees shop for the lowest delivery cost for a specific address by identifying whether that address is listed as business or residential in the US Postal Service Address Management System (AMS) database. In order to enter into the process to develop RDI-enabled software, you must be a developer of address matching software that has been currently CASS Certified.

The process of certifying software for RDI processing is similar to the DPV certification process. Additional information on RDI can be found at ribbs.usps.gov/files/rdi.

Overview

RDI is designed to be used in conjunction with the CASS certified ZIP + 4 or DPV enabled address matching software. It works similar to the DPV process, in that the RDI data is supplied as hash tables. It is a much simpler process in that the standard hash algorithm is only determined for the 9-digit and 11-digit ZIP Code rather than the entire address.

While this process is called “Residential Delivery Indicator”, the tables themselves provide information regarding business deliveries. The residential status of an input address to which a ZIP + 4 Code is assigned is recognized by the fact that it does not match to a record in either RDI tables.

The Residential Delivery Indicator data files are the following approximate sizes:

9-Digit table = 8mb

11-digit table = 8mb

The 9-digit hash table consists of ZIP + 4 Codes that contain only business deliveries. The 11-digit table consists of the Delivery Point codes for the business deliveries where the ZIP + 4 Code contains both business and residential deliveries.

The data file may be loaded on any platform. Speed of operation will depend on the amount of RAM and the speed of the processor. Depending on the interface written and the hardware available, the validation inquiry can be done in RAM or as Disk Lookup.

Developers seeking RDI certification must process a stage II file from CASS. The ability of the software to return the correct response from the RDI tables will determine whether the software will be RDI-certified. CASS certified software must identify this match by setting a “Y” flag in position 589. This field determines if a delivery point is residential

Ordering RDI Certification

Field Description: Y = Residential Delivery
Blank = Not Residential Delivery

Minimum accuracy percentage required achieving a passing score on either Merge/RDI or RDI Utility is 100%. However, you must correctly assign the delivery point code for 100% of all ZIP + 4 coded records. If you fail to achieve a passing score on any single category of the mere file, you will fail all four categories regardless of other scores. RDI will not be scored unless the 5-digit, carrier route, and ZIP + 4/DP codes are correct.

When the required level of accuracy (100%) is achieved for the RDI software, you become certified. Certification consists of issuing an official notification letter, RDI certificate and inclusion of your company's name in a list of certified companies (which can be ordered from the National Customer Support Center).

Scoring

A score of 100% is required to achieve RDI certification.

Ordering RDI Certification

Customer Information

Complete all information on the order form exactly as it should appear in any United States Postal Service (USPS) publication. If your company name should not appear in USPS publications, please check the appropriate box. Specify whether the certification being attempted is manufacturer or user-defined. A company official must sign and date the RDI Order Form.

Media Configuration

The desired media configuration for the RDI certification product ordered must be specified by completing the appropriate box on the order form using the Media Configuration Table. Make only one selection.

Software

The software name, version and configuration must be provided for the software being tested. The configuration consists of a three-character alphabetic field that identifies the parameter settings used by the software processing the RDI Stage II file.

Note: For assistance with ordering the RDI certification product, call the CASS Department at 1-800-642-2914.

Stage II Processing Quick Reference

- Processing Steps**
- Stage II product files must be processed and returned to the NCSC within ten calendar days from the date of receipt.
 - Complete the order form and mail or fax it to the National Customer Support Center (NCSC) Certification Department. Orders will not be accepted via telephone. Orders must be signed and dated by a company official.
 - Process the RDI Stage II file using the software being certified. Set software parameters exactly as if processing a customer or internal address file. Process the original Stage II file. Backup copies or alternate media will be rejected.
 - Upload or mail the completed Stage II product file to the NCSC for evaluation.
 - Certification results will be returned when the evaluation is complete.
- Helpful Hints**
- Always attempt to read the processed Stage II file before returning it to the NCSC for evaluation. This will ensure that there are no physical problems with the media and verify the number of records.
 - Verify the file is configured (block size, record length, BPI) exactly as it was requested.

RESIDENTIAL DELIVERY INDICATOR (RDI) ORDER FORM

CUSTOMER INFORMATION

(Required)

Company Official Name: _____

Company Name: _____

Address: _____

City: _____ State: ZIP+4®: _____

Phone: (____) _____ FAX: (____) _____

Salesperson: _____ Phone: (____) _____

Email: _____

MAILING INFORMATION

(If different from above)

Attention: _____

Company Name: _____

Address: _____

City: _____ State: ZIP+4®: _____

Phone: (____) _____ FAX: (____) _____

I request that my certification be maintained in US Postal Service documents and records as (select **one**):

Integrator/Manufacturer

I am applying for:

Manufacturer Certification (Software/Hardware)

All information furnished on this application is complete and correct. The responses provided on the Residential Delivery Indicator (RDI) Stage II certification file will be obtained using the same configuration used for processing customer/client address files. Any modification to the software or the configuration used to process the Stage II file will require recertification prior to use or release. The RDI Stage II file will be processed in-house with company-owned or leased software/hardware. All answers will be written to the Stage II file via batch processing without manual intervention. The software used to process the RDI Stage II file contains technology that disables access to outdated U.S. Postal Service® data in accordance with **Domestic Mail Manual** (DMM) A950. When used interactively, this product does not allow automated selection of an individual record from a list of multiple candidates. Users of this software are advised that any modification voids RDI certification.

RDI certification scores are confidential information and the applicant agrees not to disclose scores achieved on their passing test for the purpose of marketing their software or hardware product.

I have read and understand the requirements above and realize that any misrepresentation or failure to comply with these requirements will result in decertification.

Company Official Signature (Required)

Name (please print)

Signature

Date

NCSC USE ONLY

Customer #: _____ Date: _____ PRDT Code: _____

PRODUCT INFORMATION

(Required)

Applicants **MUST** return a facsimile PS Form 3553 or FTP or email an electronic version in the header record with the Stage II certification file/test deck.

RESIDENTIAL DELIVERY INDICATOR (RDI) SOFTWARE

1. Specify Stage type:

Stage II

2. For geographic type, select one only.* (If state or area, please specify):

Full

State _____

3. Media Configuration Code (please choose from media configuration table at bottom of form):

4. Fill in all software information:

_____ Product Title _____ Version #** _____ Configuration _____ Platform

* Applies only to address-matching software

** Refer to Appendix 2, "CASS Version Control," for a list of version numbers

MEDIA CONFIGURATIONS TABLE

Code	Description	Code	Description
E	Cartridge IBM 3480 38K	I	Internet
K	Cartridge IBM 3490E 38K		

(Note: For internet/FTP service, call the CASS Department at 800-642-2914)

MAIL OR FAX FORM TO

CODING ACCURACY SUPPORT SYSTEM
NATIONAL CUSTOMER SUPPORT CENTER
UNITED STATES POSTAL SERVICE
6060 PRIMACY PKWY STE 201
MEMPHIS TN 38188-0001
TELEPHONE: 800-642-2914
FAX NUMBER: 901-681-4440