UNITED STATES
POSTAL SERVICE™

Address Matching System
Version 2.85.01.N
Release Notes

Contents

Purpose

This document provides information on the changes to the United States Postal Service® Address Matching System API (AMS API) for the CASS™ Cycle M release.

It is requested that you implement and evaluate this release of AMS in a test environment at your earliest convenience. You are encouraged to promptly report any problems that you may discover to our Customer Care Department at 877-640-0724, or email us at amscd.ncsc@usps.gov.

Note: The software is valid until July 31, 2013.

Interface Changes

Section Notes:
This section is intended to provide an overview of the changes that have been made to the interface layer of the AMS library. It is advisable for you to review the entire definition of each structure listed in the zip4.h file to better understand the context and extent of these changes.

None

Added Functionality

1. DSF2 EDUCATION TABLE
The header file z4dpv.h has been updated to reflect the educational table.

2. COUNTY NUMBER AND NAME
The county number and name are populated in the z4getcty and z4ctynxt functions.

3. STATIC TEST DATA DATE
The AMS API has been updated to use all static CASS data. Previously the API would return the fifteen (15) of the current month and year. The CASS cycle year s now included in the static data, so the API will now return 99-99-CASS_YEAR as the database date.

4. DPV OPEN TABLES
The AMS API will verify the CMRA table is open in addition to the all, false positive and LCD tables.

Bug Fixes

GENERATED RECORD TYPE
The AMS API would return the record type for unique ZIPs with an invalid input add-on based on that unique ZIP. In these cases, CASS requires the record type should match the address style.

Example
    INPUT: ENTERPRISE MUD SPORTS
        109 STATE ST
        MONTPELIER VT 05609-1402

Previously, the record type was retuned as high-rise (H). This has been fixed and will return a street record type (S).

RECOMBINE NON-HYPHENATED TRAILING PRIMARY ALPHA WITH SECONDARY NUMBER
The AMS API was preventing a trailing alpha attached to the primary number from moving to the secondary number

Example
    INPUT: 15123N MINERVA AVE #1
        DOLTON IL 60419

    PRIOR: 15123N MINERVA AVE # 1
        DOLTON IL 60419-2812

    MOD: 15123 MINERVA AVE UNIT 1N
        DOLTON IL 60419-2843

SECONDARY INFORMATION LOCATED BETWEEN PRIMARY NUMBER AND STREET NAME
The AMS API was not recognizing the street name when it followed secondary information.

Example
    INPUT: 4501 APT #C SPRENKLE LANE
        RICHMOND VA 23228

    PRIOR: 4501 APT #C SPRENKLE LANE
        RICHMOND VA 23228
        (NO MATCH)

    MOD: 4501 SPRENKLE LN APT C
        HENRICO VA 23228-3519
        (EXACT MATCH)

LOST INFORMATION ON HIGHWAY CONTRACT ADDRESS
The AMS API was not returning user input information on highway contract addresses.

Example
    INPUT: HC 2 B 8168
        BAJADERO PR 00616

    PRIOR: HC 2
        BAJADERO PR 00616-9802

    MOD: HC 2 B 8168
        BAJADERO PR 00616-9802

SINGLE LETTER STREET NAMES
The AMS API would parse certain single letter street names as abbreviated pre-directional.

Example

INPUT: 145 E AVENUE
CORONADO CA 92118

PRIOR: 145 E AVENUE
CORONADO CA 92118

MOD: 145 E AVENUE
CORONADO CA 92118-1320

SECONDARY NUMBER EXCEEDING BUFFER SIZE
The AMS API would not match to address in which the secondary information exceed the buffer size.

Example
INPUT: 1065 PARK AVE APT 123456789
NEW YORK NY 10128

PRIOR: 145 E AVENUE
CORONADO CA 92118

MOD: APT 123456789
1065 PARK AVE
NEW YORK NY 10128-1001

CONVERTING ALPHANUMERIC PRIMARY NUMBERS
The AMS API would recognize some alphanumeric primary numbers as containing an abbreviation. The API parser would spell out the abbreviation and then attempt a match.

Example
INPUT: ST27 LAKE CHEROKEE
HENDERSON TX 75652

PRIOR: ST27 LAKE CHEROKEE
HENDERSON TX 75652

MOD: ST27 LAKE CHEROKEE
HENDERSON TX 75652-9732

INVALID SECONDARY NUMBER OF ZERO
The AMS API was returning a DPV response of "Y" for the HSA table and "AABB" for the DPV footnotes. The API now returns a DPV response of "S" for the HSA table and "AACC" for the DPV footnotes.

Example
INPUT: 95 TYLER ST # 0
EAST HAVEN CT 06512

PRIOR: 95 TYLER ST # 0
EAST HAVEN CT 06512-3028
FOOTNOTE: AABB

MOD: 95 TYLER ST # 0
EAST HAVEN CT 06512-3028
FOOTNOTE: AACC