



Address Matching System
Version 2.82.06.M
Release Notes

ADDRESS MANAGEMENT
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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 should be updated prior to Cycle L expiration date of SEPTMEBER 30, 2009.

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. Lowest Add-On Modifications

During the matching logic the AMS API will choose the lowest add-on for unique ZIP code record conflicts and high-rise default record conflicts.

2. Improved performance run-time

DPV caching has been modified allowing the tables to be loaded faster into RAM.

Bug Fixes

1. SECURITY FILE NULL

The AMS API would periodically write the word "(null)" into the security file.
This is fixed.

2. DPV BREAKS MAGNET STREET RULE

The AMS API prevented DPV from breaking ties on magnet street records. DPV is permitted to break ties on magnet street records, ONLY if one record confirms.

EXAMPLE:

202 PARKS AVE
ANNISTON AL 35011

This is fixed.

3. SuiteLink WITH A LONG DELIVERY ADDRESS

The AMS API would perform a SuiteLink inquiry on delivery address greater than 30 character delivery address causing the returned delivery address to overflow. This resulted in any overflow character information to be lost.

EXAMPLE:

SEAGATE ADVANCE
23019 INTERNATIONAL AIRPORT CENTER BLVD
SPRINGFIELD GARDENS NY 11413

This is fixed.

4. CARDINAL RULE TIE-BREAKER

The AMS API would return a multiple response on some records due to the cardinal rule.

EXAMPLE:

250 NE STATE RD
AMERICAN FORK UT 84003

This is fixed.

5. UPDATED SUFFIX TABLE

Some abbreviations such as 'INLET' were missing from the suffix table. This caused records to return as no match or on some platforms created a "core dump".

EXAMPLE:

724 G INLET AVE
CHESAPEAKE VA 23320

This is fixed.

6. RETURNING INVALID MILITARY ADDRESS

In cases where an input ZIP code is missing, the API will return a no match.

EXAMPLE:

USS BATTAN
FPO AE

This is fixed.

7. INCORRECT FOOTNOTE RETURNED

The AMS API returns a not found footnote (return code: 21) when a more specific footnote, such as an invalid ZIP code (return code 11) should be returned.

EXAMPLE:

100 MAIN STREET
99999

This is fixed.

8. CARDINAL RULE VIOLATION

The AMS API would break the cardinal rule for addresses that returned a multiple response and contained cardinal records in the stack.

```
INPUT:
      809 SW 1ST ST
      ANDREWS TX 79714
Candidates:
      809 NW 1ST ST
      ANDREWS TX 79714 (DPV confirm)

      809 NE 1ST ST
      ANDREWS TX 79714 (DPV non-confirm)
MATCHED:
      809 NW 1ST ST
      ANDREWS TX 79714-79714
```

This is fixed.

9. DPV CACHING

The AMS API would retain DPV information across matches in certain situations.

```
QUERY 1:
      RR 1 BOX 233
      NEW ALEXANDRI PA 15670 (RR default match, DPV = 'N')

QUERY 2:
      2246 Vinton Ave
      MEMPHIS TN 38104 (street match, DPV = 'Y')

QUERY 3:
      RR 1 BOX 233
      NEW ALEXANDRI PA 15670 (RR default match, DPV = 'Y')
```

This is fixed.

10. FRACTIONAL STREET NAMES

The AMS API was not matching numerical street addresses with a fractional primary number and pre-directional. The AMS API would parse the fractional number as part of the numerical street name.

```
EXAMPLE:
      215 1/2 W 49TH ST
      LOS ANGELES CA 90037
```

This is fixed.