

PER/ZIP4 and Delivery Point Validation

In August of 2007 the United States Postal Service began requiring that all CASS Certified™ postal coding solutions perform DPV (Delivery Point Validation) as part of CASS processing. This functionality is built into PER/ZIP4.

DPV allows PER/ZIP4 to indicate whether or not an exact address is a valid delivery point for the USPS. Prior to the introduction of DPV, PER/ZIP4 could only determine that an address matched to an address range present in the USPS National Zip+4 database. DPV allows PER/ZIP4 to provide the highest level of address validation available.

The US Postal Service has estimated that an additional 5 to 8% improvement in delivery quality is achieved by including DPV as a required component of CASS processing. In addition to the basic “yes” or “no” match indicator, DPV provides additional information about the quality of the match, such as whether an apartment or suite number is missing.

DPV allows PER/ZIP4 to provide the following information for addresses processed:

DPV confirmation indicator

- **Y** - Address was DPV confirmed for both primary and, if present, secondary numbers
- **D** - Address was DPV confirmed for the primary number only, and secondary number information was missing
- **S** - Address was DPV confirmed for the primary number only, and secondary number information was present but unconfirmed
- **N** - Both primary and, if present, secondary number information failed to DPV confirm

DPV CMRA indicator (CMRA = commercial mail receiving agent)

- **Y** - Address was found in the CMRA table
- **N** - Address was not found in CMRA table

DPV footnotes

- **AA** - Input address matched to the ZIP+4 file
- **A1** - Input address not matched to the ZIP+4 file
- **BB** - Input address matched to DPV (all components)
- **CC** - Input address primary number matched to DPV but secondary number not matched (present but invalid)
- **N1** - Input address primary number matched to DPV, but highrise address missing secondary number
- **M1** - Input address primary number missing
- **M3** - Input address primary number invalid
- **P1** - Input address missing PO, RR, or HC box number
- **P3** - Input address PO, RR, or HC box number invalid
- **RR** - Input address matched to CMRA and PMB designator present (PMB 123 or # 123)
- **R1** - Input address matched to CMRA but PMB designator not present (PMB 123 or # 123)

DPV information is returned by all three PER/ZIP4 interfaces; Interactive, Batch, and Callable Program (API).

In all cases if an otherwise valid address (i.e. address is within a valid range, valid street name, and valid city/state/zip) is not in the DPV dataset as a known delivery point for mail, the standardized address will be returned by PER/ZIP4 along with a DPV error code/message. When a DPV error code is returned by PER/ZIP4, no +4 or delivery point code is assigned to the address.

If you have questions regarding DPV or PER/ZIP4's implementation of DPV, please contact us by phone at 601-856-8337 or by email at Software@WorksRight.com.