

1 **Postal Addressing Profile of the *United*** 2 ***States Thoroughfare, Landmark, and*** 3 ***Postal Address Data Standard***

4 **Provisional draft: Under review by USPS.**

5 **1. Summary, Scope, and Purpose**

6 A profile provides, for a particular application of a base standard, either a restricted subset of
7 the standard, or a limited extension of a standard that does not contradict the base standard,
8 or both (ISO 19106).

9 The Postal Addressing Profile is a profile of the *United States Thoroughfare, Landmark, and*
10 *Postal Address Data Standard*. The Postal Addressing Profile establishes the relationship
11 between the base standard and USPS Publication 28, "Postal Addressing Standards." The
12 Postal Profile restricts the base standard in some ways, and extends it in other ways, to
13 incorporate the postal addressing terms and specifications set forth in Sections 2, 33, 34, and
14 35 of USPS Publication 28, "Postal Addressing Standards," and related appendices.
15 Specifically this profile:

- 16 1. Shows which parts of the FGDC standard relate to which parts of USPS Publication 28.
- 17 2. Relates USPS Publication 28 postal addressing terms to the address elements and
18 attributes defined in the Content Part of the base standard.
- 19 3. Extends and restricts the base standard to conform to USPS addressing specifications.
- 20 4. Describes how address records that comply with the base standard may be brought
21 into conformance with USPS addressing specifications, and vice versa.

22 Addresses that are standardized by USPS Coding Accuracy Support System (CASS) certified
23 software will conform to this profile of the base standard, and, when altered according to the
24 procedures defined in Section 8.2 of this profile, will yield address data records that conform
25 to the base standard.

26 **2. Background and Reason for the Postal Addressing** 27 **Profile**

28 No other standard or specification has had such a wide influence on address data structures
29 in the United States as USPS Publication 28. USPS Publication 28 was first published at least
30 twenty years ago and has been widely accepted and implemented with few changes since.
31 USPS Publication 28 derives from USPS efforts dating back to the 1950's to automate and
32 streamline mail sorting. Specifically USPS Publication 28 specifications were developed to
33 support:

- 34 1. Creation of a nationwide master address list, against which input addresses can be
35 matched.
- 36 2. Rules for parsing and standardizing input addresses, including standard abbreviations,
37 for matching against the master list.

38 3. Rules for formatting addresses into a single general two-line structure so they fit on a
39 mailpiece and can be readily interpreted by mail sorters.

40 Because the USPS mandate is restricted to postal duties, the USPS postal addressing
41 standards do not support several important requirements of address authorities and non-
42 USPS address data users. For that reason the FGDC draft standard differs in some important
43 respects from USPS Publication 28. Specifically, USPS Publication 28:

- 44 1. Is restricted solely to mailing addresses.
- 45 2. Makes no provision for mapping or assignment of geographic coordinates to
46 addresses, because the USPS does not compile postal address maps.
- 47 3. Names address data elements, and gives examples, but does not formally define them.
- 48 4. Defines no address classes or syntaxes beyond the one general record structure
49 (Delivery Address Line, Last Line) used for all addresses.
- 50 5. Defines no specific address data quality tests--these are implemented internally within
51 USPS or through third-party USPS-approved CASS certification software that matches
52 and validates addresses.
- 53 6. Does not provide for address metadata or documentation--if needed, it is presumably
54 created internally by the USPS in the course of maintaining its master address
55 database.

56 Although they were created for different business purposes, the FGDC standard incorporates
57 almost all of the specifications (and a number of the examples) given in USPS Publication 28.
58 The Postal Addressing Profile shows the many points of correspondence between the two.
59 For the few differences, the profile restricts or extends the base standard to conform to USPS
60 addressing specifications.

61 **3. Normative Reference to Base Standard**

62 The base standard of the Postal Addressing Profile is the FGDC's *United States*
63 *Thoroughfare, Landmark, and Postal Address Data Standard*.

64 The Postal Addressing Profile relates the base standard to the address specifications set forth
65 in U.S. Postal Service (USPS). "Postal Addressing Standards." Publication 28, July 2008
66 (Posted at: <http://pe.usps.gov/cpim/ftp/pubs/Pub28/Pub28.pdf>), specifically in Section 2,
67 certain passages of Sections 33, 34, and 35, and Appendices A3, B, C, D, F, and H. (The
68 remainder of USPS Publication 28 concerns matters outside the scope of the base standard,
69 such as addressee information and mailpiece formatting.)

70 USPS Publication 28 is the basis for the United States profile of the template and rendition
71 instructions in the Universal Postal Union *International postal address components and*
72 *templates* (Part B, Section 22).

73 **4. Maintenance Authority**

74 The Census Bureau will maintain this profile under the auspices of its duties as theme lead for
75 the FGDC Subcommittee on Cultural and Demographic Data (SCDD), ensuring that the
76 profile is revisited on the 5-year schedule as stipulated, or updating and revising as
77 necessary.

78 The Census Bureau will seek assistance as needed from the USPS to ensure that the profile
79 is changed as needed to reflect changes to USPS Publication 28.

80 Direct any questions to:

- 81 1. Census: Chief, Geography Division, U.S. Bureau of the Census.
- 82 2. USPS: Manager, Address Management, United States Postal Service

83 **5. Applicable Context of the Profile**

84 The Postal Addressing Profile states relationships and rules for:

- 85 1. Relating base standard elements and classes to USPS Publication 28 terminology and
86 rules.
- 87 2. Using addresses that comply with the base standard to create postal addresses for
88 mailpieces
- 89 3. Bringing USPS postal addresses into compliance with the base standard.

90 **6. Community of Interest for the Profile**

91 The Postal Addressing Profile will be of interest to all who:

- 92 1. Use addresses that comply with the base standard to create postal addresses for
93 mailpieces, including those who rely on CASS address standardization software to
94 standardize and match addresses.
- 95 2. Bring USPS postal addresses into compliance with the base standard.

96 **7. Discrepancies, Reconciliation, and Comparability of** 97 **Data Elements in the Base Standard and USPS** 98 **Publication 28**

99 **7.0 Introduction**

100 Section 7 lists the FGDC address data elements. Each FGDC element name is followed by
101 the name of the corresponding USPS Publication 28 element name (if any), and, in
102 parentheses, the USPS Publication 28 sections and appendices where the element is
103 described. For each pair, it gives:

- 104 • Discrepancies, if any, between the two.
- 105 • How the discrepancies can be reconciled
- 106 • How the two elements differ, if at all, in definition and construction.

107 Postal Addressing Profile Table 1 shows, for each and every base standard element and
108 attribute, the equivalent USPS Publication 28 address data element (if any), and the sections
109 of USPS Publication 28 where the element is described.

110 Postal Addressing Profile Table 2 shows, for each and every USPS Publication 28 address
111 data element, the equivalent base standard element.

112 7.1 Address Number Elements

113 7.1.1 [Address Number Prefix](#), [Address Number](#), [Address Number Suffix](#), [Separator](#) 114 [Element](#) / [No corresponding USPS element]

- 115 • **Discrepancy:** USPS Publication 28 includes no element corresponding to any of these
116 four FGDC elements.
- 117 • **Reconciliation:** See 7.1.2, [Complete Address Number](#)
- 118 • **Comparability:** None.

119 7.1.2 [Complete Address Number](#) / Primary Address Number (231, 295.2, 295.4, 120 Appendices D1, D2, D3, D4)

- 121 • **Discrepancy:** Within the base standard, the [Complete Address Number](#) can be parsed
122 into an [Address Number Prefix](#), [Address Number](#), [Address Number Suffix](#), and
123 [Separator Element](#). USPS Publication 28 includes no corresponding component
124 elements.
- 125 • **Reconciliation:** Within this profile, restrict the base standard by exclusion of the
126 [Address Number Prefix](#), [Address Number](#), [Address Number Suffix](#), and (in the context
127 of address numbers) [Separator Elements](#).
- 128 • **Comparability:** Identical.
- 129 • **Note on Address Ranges and Hyphenated Complete Address Numbers.** Address
130 ranges are rarely used for postal delivery addresses. Ranges usually consist of
131 discrete internal [Complete Address Numbers](#), each of which is a separate Primary
132 Address Number for postal delivery. In such cases, the range should not be used. In
133 rare cases where a range identifies a single postal delivery point, the USPS treats the
134 entire range including the hyphen as a single Primary Address Number. No distinction
135 is made, for postal purposes, between hyphenated [Complete Address Numbers](#) and
136 [Two Number Address Ranges](#) that identify a single delivery point.

137 7.2 Street Name Elements

138 7.2.1 [Complete Street Name](#) / [Combination of Predirectional, Street Name, Suffix, and 139 Postdirectional]

- 140 • **Discrepancy:** None.
- 141 • **Comparability:** Identical.

142 7.2.2 [Street Name Pre Modifier](#) / [No corresponding USPS element]

- 143 • **Discrepancy:** USPS Publication 28 includes no element corresponding to the [Street](#)
144 [Name Pre Modifier](#).
- 145 • **Reconciliation:** Within this profile, restrict the base standard by exclusion of the [Street](#)
146 [Name Pre Modifier](#) element. Combine the FGDC [Street Name Pre Modifier](#) into the
147 USPS Street Name element as shown in Section 9.1.2, Cases 3 and 5.
- 148 • **Comparability:** None.

149 **7.2.3 [Street Name Pre Directional](#) / Predirectional (233, 294, Appendix B)**

- 150 • **Discrepancy:** The FGDC standard requires that [Street Name Pre Directionals](#) be
151 spelled out in full. USPS Publication 28 requires use of the one- or two letter
152 abbreviations given in Appendix B and Section 294.
- 153 • **Reconciliation:** Within this profile, extend the base standard to recognize the USPS
154 abbreviations.
- 155 • **Comparability:** Identical, if words are mapped to abbreviations.

156 **7.2.4 [Street Name Pre Type](#) / [No corresponding USPS element]**

- 157 • **Discrepancy:** USPS Publication 28 includes no element corresponding to the [Street](#)
158 [Name Pre Type](#)
- 159 • **Reconciliation:** Within this profile, restrict the base standard by exclusion of the [Street](#)
160 [Name Pre Type](#) element. Combine the FGDC [Street Name Pre Type](#), along with the
161 [Separator Element](#) (if any) into the USPS Street Name element as shown in Section
162 9.1.2, Cases 2, 3, 4, and 5.
- 163 • **Comparability:** None.

164 **7.2.5 [Separator Element](#) / [No corresponding USPS element]**

- 165 • **Discrepancy:** USPS Publication 28 includes no element corresponding to the
166 [Separator Element](#)
- 167 • **Reconciliation:** Within this profile, restrict the base standard by exclusion of the
168 [Separator Element](#) from use within street names. Combine the FGDC [Separator](#)
169 [Element](#) into the USPS Street Name element as shown in Section 9.1.2, Cases 2, 3, 4,
170 and 5.
- 171 • **Comparability:** None.

172 **7.2.6 [Street Name](#) / Street Name (232, 235, 236, 237, 295.2, Appendix F)**

- 173 • **Discrepancy:** USPS Publication 28 does not recognize the FGDC [Street Name Pre](#)
174 [Modifier](#), [Street Name Pre Type](#), [Separator Element](#), or [Street Name Post Modifier](#)
175 elements. Within USPS Publication 28 they are combined into the USPS Street Name
176 element, as shown in Section 9.1.2, Cases 2, 3, 4, and 5. The base standard
177 recognizes these elements and allows them to be separated from the [Street Name](#).
178 However the base standard also permits alternate parsings of the [Complete Street](#)
179 [Name](#) that combine the [Street Name Pre Modifier](#), [Street Name Pre Type](#), [Separator](#)
180 [Element](#), or [Street Name Post Modifier](#) words into the [Street Name](#).
- 181 • **Reconciliation:** Within this profile, restrict the base standard by precluding [Complete](#)
182 [Street Name](#) parsings that create a [Street Name Pre Modifier](#), [Street Name Pre Type](#),
183 [Separator Element](#), or [Street Name Post Modifier](#), as shown in Section 9.1.2, Cases 2,
184 3, 4, and 5.
- 185 • **Comparability:** Identical, if the [Complete Street Name](#) is not parsed so as to create
186 [Street Name Pre Modifier](#), [Street Name Pre Type](#), [Separator Element](#), or [Street Name](#)
187 [Post Modifier](#) elements.

188 7.2.7 [Street Name Post Type / Suffix \(234, Appendix C1\)](#)

189 • **Discrepancies:**

- 190 1. USPS Publication 28 recognizes only the suffixes listed in Appendix C.1. The
191 base standard does not restrict the words that may be used as [Street Name](#)
192 [Post Types](#).
- 193 2. USPS Publication 28 requires that all suffixes be abbreviated as shown in
194 Appendix C.1. The base standard requires that all [Street Name Post Types](#) be
195 spelled out completely.

196 • **Reconciliation:**

- 197 1. Within this profile, for [Street Name Post Types](#) not listed in USPS Publication 28
198 Appendix C.1, restrict the base standard to require that the [Street Name Post](#)
199 [Type](#) be combined into the [Street Name](#).
- 200 2. Within this profile, extend the base standard to recognize the USPS
201 abbreviations in Appendix C.1.

- 202 • **Comparability:** Identical, for [Street Name Post Types](#) listed in USPS Publication 28
203 Appendix C.1, if abbreviations are mapped to names. For words not listed, no
204 comparability.

205 7.2.8 [Street Name Post Directional / Postdirectional \(233, 294, Appendix B\)](#)

- 206 • **Discrepancy:** The base standard requires that [Street Name Post Directionals](#) be
207 spelled out in full. USPS Publication 28 requires use of the one- or two letter
208 abbreviations given in Appendix B and Section 294.

- 209 • **Reconciliation:** Within this profile, extend the base standard to recognize the USPS
210 abbreviations.

- 211 • **Comparability:** Identical, if words are mapped to abbreviations.

212 7.2.9 [Street Name Post Modifier / \[No corresponding USPS element\]](#)

- 213 • **Discrepancy:** USPS Publication 28 includes no element corresponding to the [Street](#)
214 [Name Post Modifier](#)

- 215 • **Reconciliation:** Within this profile, restrict the base standard by exclusion of the [Street](#)
216 [Name Post Modifier](#) element. Combine the [Street Name Post Modifier](#), as well as the
217 [Street Name Post Directional](#) (if any) and the [Street Name Post Type](#) (if any) into the
218 USPS Street Name element, as shown in Section 9.1.2, Cases 4 and 5.

- 219 • **Comparability:** None.

220 7.3 Landmark Name and Community Name Elements

221 7.3.1 [Landmark Name, Complete Landmark Name / \[No corresponding USPS element\]](#)

- 222 • **Discrepancy:** USPS Publication 28 makes no mention of landmark names. Landmarks
223 are usually assigned [Numbered Thoroughfare Addresses](#), which should be used for
224 postal addressing. If none has been assigned, then treat the landmark name as the
225 equivalent of a street name (see, e.g., USPS Publication 28 Sec 291, last example.)

- 226 • **Comparability:** Treated in the same way as a Street Name.

227 7.3.2 [PlaceName] / Urbanization (291, 292, 295.1, 295.5)

- 228 • **Discrepancy:** USPS Publication 28 gives special rules for Puerto Rican urbanizations
229 (often abbreviated "urb", and sometimes known as extensiones, mansiones, repartos,
230 villas, parques, or jardines). These rules are applied to Puerto Rican addresses only.
231 The base standard has no special rules for urbanization names, but treats them as one
232 of many kinds of community [Place Names](#).
- 233 • **Reconciliation:** Some urbanizations include named streets, and others do not.
234 1. Within the base standard, if the urbanization name is part of a [Numbered](#)
235 [Thoroughfare Address](#), it will be found in the [Complete Landmark Name](#) or
236 [Complete Place Name](#) element that immediately **precedes** the [Complete](#)
237 [Address Number](#).
238 2. Within the base standard, urbanization addresses that include no [Complete](#)
239 [Street Name](#) are treated as [Community Addresses](#). The urbanization name will
240 be found in the [Complete Landmark Name](#) or [Complete Place Name](#) element
241 that immediately **follows** the [Complete Address Number](#).
- 242 • **Comparability:** None.

243 7.4 Subaddress Elements

244 7.4.1 [Subaddress Type](#) / Secondary Address Unit Designator (213, 231, 284 (PMB), 294, 245 Appendix C2) and PMB (284)

- 246 • **Discrepancies:**
247 1. USPS Publication 28 recognizes only the Secondary Unit Designators listed in
248 Appendix C.2 and Sec. 293. The base standard does not restrict the words that
249 may be used as [Subaddress Types](#).
250 2. USPS Publication 28 requires that all suffixes be abbreviated as shown in
251 Appendix C.2 and Sec. 293. The base standard requires that all [Subaddress](#)
252 [Types](#) be spelled out completely.
253 3. FGDC [Subaddress Type](#) may include "PMB" (private mail box). USPS
254 Publication 28 Section 284 treats PMB as different from a [Subaddress Type](#).
 - 255 • **Reconciliation:**
256 1. Within this profile, restrict the base standard to recognize only the [Subaddress](#)
257 [Types](#) Appendix C.2 and Sec. 293.
258 2. Within this profile, extend the base standard to recognize the USPS
259 abbreviations in Appendix C.2 and Sec. 293.
260 3. Within this profile, extend the base standard to separate PMB numbers from
261 other [Subaddress Types](#).
 - 262 • **Comparability:** Identical, for [Subaddress Types](#) listed in USPS Publication 28
263 Appendix C.2, if abbreviations are mapped to names, and PMB's are separated.
- 264 For words not listed, no comparability.

265 7.4.2 [Subaddress Identifier](#) / Secondary Number (or, Secondary Range) (213, 231, 266 Appendix C2 (footnote 2), 33 (List 2, Item 16)) and PMB (284)

- 267 • **Discrepancy:** FDGC [Subaddress Identifier](#) may include PMB (private mailbox)

268 numbers. USPS Publication 28 Section 284 treats PMB's as different from subaddress
269 identifiers.

270 • **Reconciliation:** Within this profile, extend the base standard to separate PMB
271 numbers from other [Subaddress Identifiers](#)

272 • **Comparability:** Identical, if PMB numbers are separated.

273 7.4.3 [Subaddress Element](#) / **Secondary Address Identifier (213, 231) and PMB (284)**

274 • **Discrepancy:** FGDC [Subaddress Elements](#) may include PMBs. USPS Publication 28
275 Section 284 treats PMB's as different from subaddresses.

276 • **Reconciliation:** Within this profile, extend the base standard to separate PMBs from
277 other [Subaddress Elements](#)

278 • **Comparability:** Identical, if PMBs are separated.

279 7.4.4 [Complete Subaddress](#) / **Secondary Address Identifier ((213, 231)**

280 • **Discrepancy:** FGDC permits multiple [Subaddress Elements](#) in a [Complete](#)
281 [Subaddress](#). USPS Publication 28 permits only one.

282 • **Reconciliation:** Within this profile, restrict the base standard to allow only one
283 [Subaddress Element](#).

284 • **Comparability:** Identical, for [Complete Subaddresses](#) with only one [Subaddress](#)
285 [Element](#). No comparability, for [Complete Subaddresses](#) with more than one
286 [Subaddress Element](#).

287 7.5 Place, State, and Country Name Elements

288 7.5.1 [Place Name](#), [Complete Place Name](#) / **City, City Name, Urbanization (221, 223, 292,** 289 **295.5)**

290 • **Discrepancies:**

- 291 1. The base standard permits multiple [Place Names](#) in a [Complete Place Name](#).
292 USPS Publication 28 permits only one place name per address.
- 293 2. The FGDC standard recognizes that multiple [Place Names](#) may apply to a given
294 address in different contexts, and does not restrict what may be used as a [Place](#)
295 [Name](#). USPS Publication 28 recognizes only [Place Names](#) included in the
296 USPS City State File. FGDC [Place Names](#) may be differentiated by the [Place](#)
297 [Name Type](#) attribute. A postal [Place Name](#) would have a [Place Name Type](#) =
298 "USPS".

299 • **Reconciliation:**

- 300 1. Within this profile, restrict the FGDC standard to one [Place Name](#) per address,
301 and recognize only [Place Names](#) included in the USPS City State File..
- 302 2. Use the [Place Name Type](#) "USPS" to distinguish postal [Place Names](#) from other
303 kinds of [Place Names](#).

304 • **Comparability:** Identical, if [Place Names](#) are restricted to the one postal [Place Name](#)
305 per address.

306 **7.5.2 [State Name](#) / State (224, 225, Appendix B)**

- 307 • **Discrepancy:**
- 308 1. The FGDC standard recognizes both the two-letter state abbreviations and the
- 309 state name spelled out. USPS Publication 28 recognizes the abbreviations only.
- 310 2. The FGDC standard recognizes, in addition to all the USPS Publication 28
- 311 abbreviations, the ANSI abbreviation "UM", which denote nine remote,
- 312 uninhabited minor islands that have no mail service.
- 313 • **Reconciliation:** Within this profile, restrict the base standard to recognize only the two-
- 314 letter state abbreviations, and to exclude any addresses in UM.
- 315 • **Comparability:** Identical, if names are mapped to abbreviations, and any "UM"
- 316 addresses are excluded.

317 **7.5.3 [Zip Code](#) / ZIP Code (224)**

- 318 • **Discrepancy:** None.
- 319 • **Comparability:** Identical.

320 **7.5.4 [Zip Plus 4](#) / ZIP+4 Code (224)**

- 321 • **Discrepancy:** The base standard permits but does not require a hyphen before the [Zip](#)
- 322 [Plus 4](#). USPS Publication 28 requires the hyphen.
- 323 • **Reconciliation:** Within this profile, restrict the base standard to require the hyphen
- 324 before the [Zip Plus 4](#).
- 325 • **Comparability:** Identical, if the hyphen is included.

326 **7.5.5 [Country Name](#) / Country (Appendix A3)**

- 327 • **Discrepancy:** FGDC recognizes ISO 3166-1 short English names only. USPS
- 328 Publication 28 does not restrict what may be used as a country name.
- 329 • **Reconciliation:** Within this profile, restrict USPS Publication 28 to require use of ISO
- 330 3166-1 short English names.
- 331 • **Comparability:** Identical, if the names conform to ISO 3166-1.

332 **7.6 USPS Postal Address Elements**

333 **7.6.1 [USPS Box Type](#), [USPS Box ID](#) / [No corresponding USPS elements]**

- 334 • **Discrepancy:** USPS Publication 28 includes no element corresponding to either of
- 335 these two FGDC elements.
- 336 • **Reconciliation:** See 7.6.2, [Usps Box](#).
- 337 • **Comparability:** None.

338 **7.6.2 [Usps Box](#) / Post Office Box Addresses (28, 293, 295.6)**

- 339 • **Discrepancy:** Within the base standard, the [Usps Box](#) can be parsed into a [USPS Box](#).

340 [Type](#) and a [USPS Box ID](#). USPS Publication 28 includes no corresponding component
341 elements.

342 • **Reconciliation:** Within this profile, restrict the base standard by exclusion of the [USPS](#)
343 [Box Type](#) and a [USPS Box ID](#).

344 • **Comparability:** Identical

345 7.6.3 [USPS Box Group Type](#), [USPS Box Group ID](#), [Usps Route](#) / [No corresponding 346 USPS elements]

347 • **Discrepancy:** USPS Publication 28 includes no element corresponding to any of these
348 three FGDC elements.

349 • **Reconciliation:** See 7.6.4, [Usps Address](#).

350 • **Comparability:** None.

351 7.6.4 [Usps Address](#) / RR and HC addresses; PSC, CMR, and Unit addresses (overseas 352 military) (24, 25, 238.1, 293, 295.7)

353 • **Discrepancy:** Within the base standard, the route portion of the [Usps Address](#) is
354 recognized as a [Usps Route](#), which can be parsed into a [USPS Box Group Type](#) and a
355 [USPS Box Group ID](#). USPS Publication 28 includes no elements that correspond to the
356 FGDC [USPS Box Group Type](#), [USPS Box Group ID](#), and [Usps Route](#) elements.

357 • **Reconciliation:** Within this profile, restrict the base standard by exclusion of the [USPS](#)
358 [Box Group Type](#), [USPS Box Group ID](#), [Usps Route](#) elements.

359 • **Comparability:** Identical

360 7.6.5 [USPS General Delivery Point](#) / General Delivery Address; Military Address 361 (overseas military)

362 • **Discrepancy:** None.

363 • **Comparability:** Identical

364 7.7 USPS Postal Address Lines

365 7.7.1 [Delivery Address](#) / Delivery Address Line (211, 291, 295.1; 33, 34, 35, Appendix H)

366 • **Discrepancy:** The base standard, as extended within this profile, permits
367 abbreviations only for certain elements ([Street Name Pre Directional](#), [Street Name](#)
368 [Post Directional](#), [Street Name Post Type](#), [Subaddress Type](#), [State Name](#), and nine
369 other USPS abbreviations (PO Box, PMB; RR, HC; PSC, CMR; APO, FPO, and DPO)).
370 All other elements must be spelled out in full. USPS Publication 28 prohibits [Delivery](#)
371 [Addresses](#) longer than 40 characters or 8 separate words. USPS Publication 28
372 sections 33, 34, and 35 provides rules for compressing address lines that exceed the
373 maximum number of characters or words. The rules pertain in most cases to recipient
374 information, but they can in some cases require the abbreviation or omission of
375 address elements.

376 • **Reconciliation:** Within this profile, extend the base standard to permit application of

377 USPS Publication 28 compression guidelines to [Delivery Addresses](#) that exceed 40
378 characters or 8 separate words.

379 • **Comparability:** Identical.

380 7.7.2 [Place State ZIP](#) / City, State, ZIP+4 Line or Last Line (211, 22; 33, 34, 35)

381 • **Discrepancy:**

382 1. The base standard requires all [Place Names](#) to be spelled out in full. USPS
383 Publication 28 prefers that [Place Names](#) be spelled out, but also recognizes 13-
384 letter abbreviations for postal [Place Names](#), which may be used if needed due to
385 mailing label constraints.

386 2. The line length limits and compression rules described in 7.7.1 also apply to
387 [Place State ZIPs](#),

388 • **Reconciliation:** Within this profile, extend the base standard to recognize the 13-
389 character abbreviations of postal [Place Names](#), and to permit application of USPS
390 Publication 28 compression guidelines to [Place State ZIPs](#) that exceed 40
391 characters or 8 separate words.

392 • **Comparability:** Identical.

393 7.8 [Address Reference System](#) Elements

394 • **Discrepancy:** USPS Publication 28 makes no reference to [Address Reference](#)
395 [Systems](#).

396 • **Reconciliation:** Within this profile, restrict the base standard to exclude all [Address](#)
397 [Reference System](#) elements.

398 • **Comparability:** None.

399 7.9 Address Attributes

400 • **Discrepancy:** USPS Publication 28 includes no address attributes.

401 • **Reconciliation:** Within this profile, restrict the base standard to exclude all address
402 attributes.

403 • **Comparability:** None.

404 8. Applicability of Base Standard Part and USPS 405 Publication 28 Sections.

406 8.1 Applicability of Base Standard Parts

407 8.1.1 Address Data Content Part.

408 This profile restricts and extends the Address Data Content Part as detailed in Section 6
409 above.

410 The Address Data Content Part requires that every address record have a unique Address ID.

411 USPS Publication 28 makes no mention of unique address identifiers and thus provides no
412 basis for supporting the FGDC requirement within this profile. Therefore, within this profile,
413 the FGDC standard is restricted to exclude the data content requirement for a unique Address
414 ID.

415 **8.1.2 Address Data Classification Part**

416 USPS Publication 28 does not recognize all of the address classes defined in the base
417 standard. Within this profile, base standard address classes are included or excluded as
418 follows:

- 419 • **INCLUDED** - [Numbered Thoroughfare Address](#)
- 420 • **EXCLUDED** - [Intersection Address](#) ("Replaced by physical street address in all AIS
421 files." (Sec 236))
- 422 • **EXCLUDED** - [Two Number Address Range](#) (Hyphenated address numbers are treated
423 as one Primary Address Number)
- 424 • **EXCLUDED** - [Four Number Address Range](#) (Not used or usable as postal addresses.)
- 425 • **INCLUDED** - [Unnumbered Thoroughfare Address](#)
- 426 • **INCLUDED** - [Landmark Address](#) (Usually but not always replaced with the
427 corresponding [Numbered Thoroughfare Address](#))
- 428 • **INCLUDED** - [Community Address](#) (Usually but not always replaced with the
429 corresponding [Numbered Thoroughfare Address](#))
- 430 • **INCLUDED** - [USPS Postal Delivery Box](#)
- 431 • **INCLUDED** - [USPS Postal Delivery Route](#)
- 432 • **INCLUDED** - [USPS General Delivery Office](#)
- 433 • **INCLUDED** - [General Address Class](#)

434 USPS Publication 28 does not define any address classes explicitly, but it does require that all
435 postal addresses be divided into two lines, the Delivery Address Line and the Last Line. Thus,
436 implicitly it treats all addresses as [General Address Class](#) Type 2 addresses. The Delivery
437 Address Line corresponds to the base standard [Delivery Address](#) element, as described in
438 7.7.1 above. The Last Line corresponds exactly to the base standard [Place State ZIP](#)
439 element, as described in 7.7.2 above. (Note: The "Address Types" given in USPS Publication
440 28 Appendix A2 are address formatting types, not address types or classes as defined in the
441 base standard.)

442 Within this profile, the base standard is restricted by exclusion of of all [Intersection Addresses](#),
443 [Two Number Address Ranges](#), and [Four Number Address Ranges](#), and addresses of all other
444 classes are treated as [General Address Class](#) Type 2 addresses.

445 **8.1.3 Address Data Quality Part**

446 The Address Data Quality part of the base standard is excluded from this profile. USPS
447 Publication 28 defines no specific data quality tests.

448 **8.1.4 Address Data Exchange Part**

449 The Address Data Exchange part of the base standard is excluded from this profile. USPS
450 Publication 28 does not include any data exchange or XML specifications.

451 **8.2 Applicable Sections of USPS Publication 28**

452 The Postal Addressing Profile refers only to the following sections of of USPS Publication 28:

- 453 1. Section 2, "Postal Addressing Standards,"
- 454 2. Those passages of Section 3, "Business Addressing Standards, that pertain to the
- 455 Delivery Address Line or the City, State, ZIP+4 Line (also called the Last Line)
- 456 3. Appendices A3, B, C, D, F, and H.

457 The Postal Addressing Profile excludes the remainder of USPS Publication 28, which
458 concerns matters outside the scope of the base standard, such as:

- 459 1. Recipient information, including names, titles, business names, departments, divisions,
460 and mailstops (most of Section 3; all of Appendix G);
- 461 2. Address formatting for mailpieces (line breaks, line lengths, punctuation, etc.)
462 (Appendix A1 and A2),
- 463 3. Internal address matching rules (Appendix E), and
- 464 4. USPS address information products and services (Section 1 and Appendix I).

465 USPS Publication 28 defines up to eleven business address lines (sec. 341). Of these, only
466 two contain address data within the scope of the base standard: the Delivery Address Line
467 (line 10) and the City, State, ZIP+4 Line (or Last Line)(line 11). Lines 1-9 expand, for business
468 needs, the Customer or Recipient Line. These lines contain recipient information or non-
469 address information such as the barcode.

470 **9. Converting Address Data Between the Base Standard** 471 **and the Postal Addressing Profile**

472 **9.1 Procedures for Bringing Base-Standard Compliant Address Records** 473 **into Conformance with This Profile**

474 **9.1.1 Address Numbers**

- 475 1. If necessary, compose the [Complete Address Number](#) from its component elements.
476 Copy to USPS Primary Address Number.
- 477 2. If any postal delivery point is identified by a [Two Number Address Range](#), concatenate
478 the two numbers (with the hyphen between them). Copy to USPS Primary Address
479 Number.

480 **9.1.2 Street Names**

481 Relevant USPS abbreviation lists:

- 482 1. [Street Name Pre Directionals](#) and [Street Name Post Directionals](#) (USPS Publication 28
483 Appendix B and Section 294)
 - 484 2. [Street Name Post Types](#): (USPS Publication 28 Appendix C1)
- 485 • **Case 1 (typical):** [Complete Street Names](#) that do not contain a [Street Name Pre](#)
486 [Modifier](#), [Street Name Pre Type](#), or [Street Name Post Modifier](#)
 - 487 • **Examples:** *Broadway; Broadway Street; North Broadway Street; Broadway Street*
488 *North*

- 489
- Copy, as they are found:
 - [Street Name Pre Directionals](#) (properly abbreviated) to the USPS Predirectional
 - [Street Names](#) to the USPS Street Name
 - [Street Name Post Types](#) listed in Appendix C1 (and properly abbreviated) to the USPS Suffix
 - [Street Name Post Types](#) not listed in Appendix C1 to the USPS Street Name
 - [Street Name Post Directionals](#) (properly abbreviated) to the USPS Postdirectional
- 497
- **Case 2 (not uncommon):** [Complete Street Names](#) that contain a [Street Name Pre Type](#), but no [Street Name Pre Modifier](#) or [Street Name Post Modifier](#)
- 498
- **Examples:** *Avenue A; North Avenue A; Avenue A North; Boulevard of the Allies;*
- 499
- *Avenue C Loop*
- 500
- Copy, as they are found:
 - [Street Name Pre Directionals](#) (properly abbreviated) to the USPS Predirectional
 - [Street Name Pre Types](#) (unabbreviated), [Separator Elements](#), and [Street Names](#) to the USPS Street Name
 - [Street Name Post Types](#) listed in Appendix C1 (and properly abbreviated) to the USPS Suffix
 - [Street Name Post Types](#) not listed in Appendix C1 to the USPS Street Name
 - [Street Name Post Directionals](#) (properly abbreviated) to the USPS Postdirectional
- 501
- **Case 3 (rare):** [Complete Street Names](#) that contain a [Street Name Post Modifier](#) but no [Street Name Pre Modifier](#)
- 502
- **Examples:** *Tenth Street Bypass; Tenth Street North Bypass; Tenth Street Bypass North; Fourth Avenue Extended; North Fourth Avenue Extended; Fourth Avenue North Extended*
- 503
- **Subcase 1:** [Street Name Post Modifier](#) is a USPS suffix listed in USPS Publication 28 Appendix C1 (Examples: *Bypass; Loop*)
- 504
- **Examples:** *Tenth Street Bypass; Tenth Street North Bypass; Tenth Street Bypass North*
- 505
- Copy, as they are found:
 - [Street Name Pre Directionals](#) (properly abbreviated) to the USPS Predirectional
 - [Street Name Pre Types](#) (unabbreviated), [Separator Elements](#), [Street Names](#), and [Street Name Post Types](#) (unabbreviated) to the USPS Street Name
 - [Street Name Post Directionals](#), if they precede the [Street Name Post Modifier](#), (unabbreviated) also to the USPS Street Name
 - [Street Name Post Modifiers](#) (properly abbreviated) to the USPS Suffix
 - [Street Name Post Directionals](#), if they follow the [Street Name Post Modifiers](#) (properly abbreviated) to the USPS Postdirectional
- 506
- **Subcase 2:** [Street Name Post Modifier](#) is not listed in USPS Publication 28 Appendix C1 (Examples: *Extended; Connector*)
- 507
- **Examples:** *Fourth Avenue Extended; North Fourth Avenue Extended; Fourth Avenue North Extended; Fourth Avenue Extended North*
- 508
- Copy, as they are found:
 - [Street Name Pre Directionals](#) (properly abbreviated) to the USPS Predirectional
 - [Street Name Pre Types](#), [Separator Elements](#), [Street Names](#), and [Street Name Post Types](#), [Street Name Post Directionals](#), [Street Name Post Modifiers](#) (all
- 509

- 536 unabbreviated) to the USPS Street Name
- 537 • [Street Name Post Directionals](#), if they precede the [Street Name Post Modifier](#),
- 538 (unabbreviated) also to the USPS Street Name
- 539 • [Street Name Post Modifiers](#) (properly abbreviated) to the USPS Suffix
- 540 • [Street Name Post Directionals](#), if they follow the [Street Name Post Modifier](#)
- 541 (properly abbreviated) to the USPS Postdirectional

- 542 • Case 4 (rare): [Complete Street Names](#) that contain a [Street Name Pre Modifier](#) but no
- 543 [Street Name Post Modifier](#)
- 544 • **Examples:** *Old North Main Street; Scenic Route 66; Scenic Route 66 West*
- 545 • Copy, as they are found:
- 546 • [Street Name Pre Modifiers](#), [Street Name Pre Directionals](#) (unabbreviated),
- 547 [Street Name Pre Types](#) (unabbreviated), [Separator Elements](#), and [Street](#)
- 548 [Names](#) to the USPS Street Name
- 549 • [Street Name Post Types](#) listed in Appendix C1 (and properly abbreviated) to the
- 550 USPS Suffix
- 551 • [Street Name Post Types](#) not listed in Appendix C1 to the USPS Street Name
- 552 • [Street Name Post Directionals](#) (properly abbreviated) to the USPS
- 553 Postdirectional

- 554 • Case 5 (very rare): [Complete Street Names](#) that contain both a [Street Name Pre](#)
- 555 [Modifier](#) and a [Street Name Post Modifier](#)
- 556 • **Subcase 1:** [Street Name Post Modifier](#) is a USPS suffix listed in USPS
- 557 Publication 28 Appendix C1 (Examples: *Bypass; Loop*)
- 558 • **Example:** *Old North Main Street Bypass*
- 559 • Copy all elements (unabbreviated) preceding the [Street Name Post Modifier](#) to
- 560 the USPS Street Name
- 561 • Copy the [Street Name Post Modifiers](#) (properly abbreviated) to the USPS suffix
- 562 • Copy [Street Name Post Directionals](#) (properly abbreviated) that follow the [Street](#)
- 563 [Name Post Modifier](#) to the USPS Postdirectional
- 564 • **Subcase 2:** [Street Name Post Modifier](#) is not listed in USPS Publication 28
- 565 Appendix C1 (Examples: *Extended; Connector*)
- 566 • **Example:** *Old North Main Street Bypass*
- 567 • Copy the entire [Complete Street Name](#) (with no elements abbreviated) to the
- 568 USPS Street Name element.

569 9.1.3 Landmark and Urbanization Names

- 570 1. [For Puerto Rican Addresses only] Identify any urbanization names from among the
- 571 [Community Addresses](#) and [Numbered Thoroughfare Addresses](#). Copy to USPS
- 572 Urbanization.
- 573 2. Confirm that no equivalent [Numbered Thoroughfare Address](#) has been assigned to the
- 574 landmark. Copy to the USPS Street Name.

575 9.1.4 Subaddress Elements

- 576 1. Copy PMB subaddresses to USPS Private Mailbox.
- 577 2. If any [Complete Subaddresses](#) contains more than one [Subaddress Element](#), combine
- 578 them into one in a way that identifies the subaddress.

- 579 3. For [Subaddress Types](#) not listed in USPS Publication 28 Appendix C2, substitute a
580 word (properly abbreviated) that is listed in Appendix C2.
581 4. Combine the [Subaddress Type](#) and [Subaddress Identifier](#) into the [Subaddress](#)
582 [Element](#), if they are not already combined.
583 5. Copy all [Complete Subaddresses](#) (except PMB subaddresses), with [Subaddress Types](#)
584 properly abbreviated, to USPS Secondary Address Identifier

585 9.1.5 City, State, and Country Names; ZIP Codes

- 586 1. If any [Complete Place Names](#) contain more than one [Place Name](#), delete all but one.
587 Verify that [Place Names](#) are included in the the USPS City State file. Copy to USPS
588 City. (If desired, [Place Names](#) may be given a [Place Name Type](#) = "USPS" to identify
589 them within the FGDC record.)
590 2. If any [State Names](#) are spelled out in full, abbreviate them per USPS Publication 28
591 Appendix B. Delete any addresses with the [State Name](#) "UM". Copy to USPS State.
592 3. Copy [Zip Codes](#) to USPS ZIP Code.
593 4. Copy [Zip Plus 4](#) to USPS ZIP+4Code, ensuring that a hyphen immediately precedes
594 the ZIP+4.
595 5. Copy [Country Names](#) to the USPS Country.

596 9.1.6 USPS Postal Addresses

597 9.1.6.1 PO Boxes

- 598 1. If necessary, compose the [Usps Boxes](#) from their component elements. Copy to USPS
599 Post Office Box Addresses.

600 9.1.6.2 Rural Routes and Contract Service Delivery Routes

- 601 1. If necessary, compose the RR [Usps Addresses](#) from their component elements. Copy
602 to USPS Rural Route Address.
603 2. If necessary, compose the HC [Usps Addresses](#) from their component elements. Copy
604 to USPS Contract Service Delivery Route Address.

605 9.1.6.3 Overseas Military and Department of State Addresses

- 606 1. If necessary, compose PSC, CMR, and Unit [Usps Addresses](#) from their component
607 elements. Copy to USPS Military Address.
608 2. Copy ships' names to USPS Military Address.
609 3. Note: For overseas US military postal addresses, "APO" (Army Post Office) or "FPO"
610 (Fleet Post Office) is used as the [Place Name](#). "DPO" (Diplomatic Post Office) is used
611 as the [Place Name](#) for some overseas US State Department postal addresses. "APO",
612 "FPO", and "DPO" are not used with any other addresses.
613 4. Note: For overseas military and diplomatic postal addresses, and only with these
614 addresses, "AE" or "AP" or "AA" is used as the [State Name](#).

615 9.1.6.4 General Delivery Addresses

- 616 1. Copy "GENERAL DELIVERY" (the only valid [USPS General Delivery Point](#) value other
617 than ships' names) to the USPS General Delivery element.

618 9.1.7 USPS Postal Address Lines

619 9.1.7.1 Delivery Address Line

- 620 1. If necessary, compose [Delivery Addresses](#) from their component elements. (The
- 621 component elements will differ according the base standard class of the address.)
- 622 2. Apply USPS compression and wrapping rules if necessary.
- 623 3. Copy to USPS Delivery Address Line

624 9.1.7.2 Last Line

- 625 1. If necessary, compose [Place State ZIP](#) elements from their component elements.
- 626 2. Note special formatting requirements for non-US addresses regarding placement of
- 627 [Country Names](#) and postal codes (see USPS Publication 28 Appendix A3).
- 628 3. Apply place name abbreviations and USPS compression and wrapping rules if
- 629 necessary.
- 630 4. Copy to USPS Last Line.

631 9.2 Procedures for Bringing Profile-Compliant Address Records into 632 Conformance with the Base Standard

633 9.2.1 Primary Address Numbers

- 634 1. Copy Primary Address Numbers to FGDC [Complete Address Number](#). If desired, parse
- 635 to its component elements.
- 636 2. For hyphenated Primary Address Numbers, determine which ones represent [Two](#)
- 637 [Number Address Ranges](#). Parse the two separate [Complete Address Numbers](#) and the
- 638 [Separator Element](#) into the [Two Number Address Range](#) syntax.
- 639 3. [For Puerto Rican addresses only] Determine if the Primary Address Number is
- 640 preceded by an Urbanization name. If found, copy to FGDC [Place Name](#). If desired,
- 641 use the FGDC [Place Name Type](#) to identify it as an urbanization name.

642 9.2.2 Street Names, Landmark Names, and Urbanization Names

- 643 1. Convert all Predirectionals, Suffixes, and Postdirectionals from abbreviations to
 - 644 complete words.
 - 645 2. [For Puerto Rican addresses only] Determine if the Primary Address Number is
 - 646 followed by an Urbanization name rather than a Street Name. Copy to FGDC [Place](#)
 - 647 [Name](#). If desired, use the FGDC [Place Name Type](#) to identify it as an urbanization
 - 648 name.
 - 649 3. Determine if any Street Names are in fact [Landmark Names](#). Copy them to FGDC
 - 650 [Complete Landmark Name](#).
 - 651 4. For all remaining records, determine whether the street name is typical (Case 1) or
 - 652 complex (Case 2), and process accordingly.
- 653 • **Case 1 (typical):** [Complete Street Names](#) that do not contain a [Street Name Pre](#)
 - 654 [Modifier](#), [Street Name Pre Type](#), or [Street Name Post Modifier](#)
 - 655 • **Examples:** *Broadway; Broadway Street; North Broadway Street; Broadway Street*
 - 656 *North*
 - 657 • 1. Copy, as they are found:

- 658 • Predirectionals to FGDC [Street Name Pre Directional](#)
- 659 • Street Names to FGDC [Street Name](#)
- 660 • Suffixes to FGDC [Street Name Post Type](#)
- 661 • Postdirectionals to FGDC [Street Name Post Directional](#)

- 662 • **Case 2 (complex):** [Complete Street Names](#) that contain a [Street Name Pre Type](#),
- 663 [Street Name Pre Modifier](#), or [Street Name Post Modifier](#)
- 664 • **Examples:** *Avenue A; Boulevard of the Allies; Avenue C Loop; Old North Main Street;*
- 665 *Tenth Street Bypass; Fourth Avenue Extended;*
- 666 • 1. Concatenate the Predirectionals, Street Names, Suffixes, and Postdirectionals into
- 667 FGDC [Complete Street Names](#).
- 668 • 2. Parse into their component FGDC simple elements ([Street Name Pre Modifier](#),
- 669 [Street Name Pre Directional](#), [Street Name Pre Type](#), [Street Name](#), [Street Name Post](#)
- 670 [Type](#), [Street Name Post Directional](#), and [Street Name Post Modifier](#))

671 9.2.3 Subaddress Elements

- 672 1. Convert all Secondary Address Unit Designators from abbreviations to complete words.
- 673 2. Copy all Secondary Address Identifies to FGDC [Subaddress Elements](#).
- 674 3. Copy all PMBs to FGDC [Subaddress Elements](#).
- 675 4. If desired, parse the [Subaddress Elements](#) into their component simple elements.

676 9.2.4 City, State, and Country Names; ZIP Codes

- 677 1. Copy City names to FGDC [Place Name](#).
- 678 2. Copy States to FGDC [State Name](#).
- 679 3. Copy ZIP Codes to FGDC [Zip Code](#).
- 680 4. Copy ZIP+4 to FGDC [Zip Plus 4](#).
- 681 5. Copy Country names to FGDC [Country Name](#). If any names are not found in the ISO
- 682 3166-1 standard list, substitute the ISO 3166 equivalent.

683 9.2.5 USPS Postal Addresses

- 684 1. Copy USPS Post Office Box Addresses to FGDC [Usps Box](#). If desired, parse [Usps Box](#)
- 685 into its component elements.
- 686 2. Copy Rural Route and Contract Service Delivery Route addresses to FGDC [Usps](#)
- 687 [Address](#). If desired, parse [Usps Address](#) into its component elements.
- 688 3. Copy PSC, CMR, and Unit (overseas military and State Department) addresses to
- 689 FGDC [Usps Address](#). If desired, parse [Usps Address](#) into its component elements.
- 690 4. Copy General Delivery and (overseas military) ships' names to FGDC [USPS General](#)
- 691 [Delivery Point](#).

692 9.2.6 USPS Postal Address Lines

693 9.2.6.1 Delivery Line

- 694 1. If any Delivery Address Lines have been compressed or wrapped, restore them to their
- 695 fully spelled-out forms with line breaks removed.
- 696 2. Copy Delivery Address Lines to FGDC [Delivery Address](#). If desired, parse to its
- 697 component elements.

698 **9.2.6.2 Last Line**

- 699 1. If any 13-letter City abbreviations have been applied, restore the full City spelling.
700 2. If any Last Lines have been compressed or wrapped, restore them to their fully spelled-
701 out forms with line breaks removed.
702 3. Copy Lines Lines to FGDC [Place State ZIP](#). If desired, parse to its component
703 elements.

704 **9.3 Note on Abbreviations and Information Loss in Conversion**

705 Several procedures defined in 9.1 require the substitution of USPS abbreviations for complete
706 words, or the compression of lines, because in the postal addressing context addresses must
707 fit on mailing labels. That constraint has a cost: with each abbreviation, information is lost.
708 Address records can be converted without ambiguity from the base standard compliance to
709 compliance with the profile, but the reverse is not true. Address records cannot be converted
710 from the postal profile to the base standard without potential ambiguity introduced by
711 abbreviations that have more than one valid meaning in context. This is a key reason that
712 abbreviations are not recognized within the base standard. For further discussion, see the
713 Introduction to the base standard, under "Abbreviations in Addresses"

714 **10. Conformance Requirements for Postal Address Data**
715 **Sets**

716 USPS Publication 28 (Sec. 21) defines three general three general levels of conformance:
717 completeness, standardization, and validation.

- 718 1. Address records that comply with the base standard also meet the completeness
719 criterion of the Postal Profile.
720 2. They will meet the standardization criterion once they have been altered according to
721 the procedures defined in Section 8.1 of this Profile.
722 3. They will meet the validation criterion if they match to the current Postal ZIP+4 and City
723 State Files (beyond the scope of this profile).

724 Any set of address data records that conforms to either the base standard or USPS
725 Publication 28 is presumed to conform to this profile. Conformance can be confirmed by
726 either of two tests:

- 727 1. Address data records that conform to the base standard shall, when altered according
728 to the procedures defined in Section 8.1 of this profile, yield address data records that
729 are standardized as defined in USPS Publication 28 Section 21.
730 2. Address data records that are standardized as defined in USPS Publication 28 shall,
731 when altered according to the procedures defined in Section 8.2 of this profile, yield
732 address data records that conform to the base standard.

733 Addresses that are standardized by USPS Coding Accuracy Support System (CASS) certified
734 software will conform to this profile of the base standard, and, when altered according to the
735 procedures defined in Section 8.2 of this profile, will yield address data records that conform
736 to the base standard.

737
738
739

Postal Addressing Profile Table 1: FGDC Address Elements and Equivalent USPS Publication 28 Address Data Elements

<u>FGDC Address Element</u>	<u>USPS Publ. 28 Equivalent Address Data Element</u>	<u>USPS Publ. 28 Section/ Notes</u>
<i>Key to abbreviations: Mil - Overseas Military; PR - Puerto Rico</i>		
Category: Address Number Elements		
<u>Address Number Prefix</u>	Shown, but not named	Appendix D1, D3
<u>Address Number</u>	Shown, but not named	see <u>Complete Address Number</u>
<u>Address Number Suffix</u>	Shown, but not named	Appendix D4
<u>Separator Element</u>	Shown, but not named	232, 295.4 (PR), Appendix D1
Complex Element: <u>Complete Address Number</u>	Primary Address Number	231, 295.2 (PR), 295.4 (PR), Appendices D1, D2, D3, D4
Category: Street Name Elements		
<u>Street Name Pre Modifier</u>	None	
<u>Street Name Pre Directional</u>	Predirectional	233, 294 (PR), Appendix B
<u>Street Name Pre Type</u>	None	Noted only in Appendix H
<u>Street Name</u>	Street Name (or Primary Street Name)	232, 235, 236, 237, 295.2 (PR), Appendix F
<u>Street Name Post Type</u>	Suffix	234, Appendix C1, Appendix H
<u>Street Name Post Directional</u>	Postdirectional	233, 294 (PR), Appendix B
<u>Street Name Post Modifier</u>	None	
Complex Element: <u>Complete Street Name</u>	Shown, but not named	23, 295, Appendices D and F
Category: Subaddress Elements		

Subaddress Type	Secondary Address Unit Designator	213, 231, 284 (PMB), Appendix C2
Subaddress Identifier	Secondary Number, Secondary Range	213, 231, Appendix C2 (footnote 2), 33 (List 2, Item 16)
Complex Element: Subaddress Element	Secondary Address Identifier	231
Complex Element: Complete Subaddress	Shown, but not named	213, 231
Category: Landmark Name Elements		
Landmark Name	None	
Complex Element: Complete Landmark Name	None	
Category: Place, State, and Country Name Elements		
Place Name	City, City Name, Urbanization (PR)	221, 223; 291(PR), 292 (PR), 295.1(PR), 295.5 (PR)
Complex Element: Complete Place Name	City name, Urbanization (PR)	221, 223, 292 (PR)
State Name	State (two-character state abbreviation)	224, 225 (mil), Appendix B
Zip Code	ZIP Code	224
Zip Plus 4	ZIP+4 Code	224
Country Name	Country	Appendix A3
Category: USPS Postal Address Elements		
USPS Box Type	Shown, but not named	see Usps Box
USPS Box ID	Shown, but not named	see Usps Box
Complex Element: Usps Box	Post Office Box Addresses	28, 293 (PR), 295.6 (PR)
USPS Box Group Type	Shown, but not named	see Usps Address
USPS Box Group ID	Shown, but not named	see Usps Address
Complex Element: Usps Route	Shown, but not named	see Usps Address
Complex Element: Usps	Rural Route Address, Highway Contract	24, 25, 238.1 (Mil), 293

Address	Route Address, Military Addresses (overseas locations--PSC, CMR, Unit)	(PR), 295.7 (PR)
USPS General Delivery Point	General Delivery Address, Military Address (Overseas locations--Ship's Name)	26, 238.1 (Mil)
Category: USPS Address Lines		
Complex Element: Delivery Address	Delivery Address Line	211, 291 (PR). 295.1 (PR)
Complex Element: Place State ZIP	City, State, ZIP+4 line or Last Line	211, 22
Category: Address Reference System Elements		
[USPS Publication 28 makes no reference to address reference systems]		
Category: Address Attributes		
[USPS Publication 28 does not include any address attributes]	None	

740 **Postal Addressing Profile Table 2: USPS Publication 28**
741 **Address Data Elements and Equivalent FGDC Address**
742 **Elements**

USPS Publ. 28 Address Data Element	USPS Publ. 28 Section/Notes	Equivalent FGDC Address Element
<i>Key to abbreviations: Mil - Overseas Military; PR - Puerto Rico</i>		
Category: Address Number Elements		
Primary Address Number (also called Street Number or House Number)	295.2 (PR), 295.4 (PR), Appendices D1, D2, D3, D4	Complete Address Number
Category: Street Name Elements		
Predirectional	233, 294 (PR), Appendix B	Street Name Pre Directional
Street Name (or Primary Street Name)	232, 235, 236, 237, 295.2 (PR), Appendix F	Street Name
Suffix (or Street Suffix)	234, Appendix C1, Appendix H	Street Name Post Type (and Street Name Pre Type)

Postdirectional	233, 294 (PR), Appendix B	Street Name Post Directional
Category: Subaddress Elements		
Secondary Address Unit Designator (also called Secondary Unit Designator or Secondary Unit Indicator)	213, 231, Appendix C2	Subaddress Type
Secondary Number, Secondary Range	33 (List 2, Item 16); Appendix C2 (footnote 2)	Subaddress Identifier
Private Mailbox Address	284	Subaddress Type
Category: Place, State, and Country Name Elements		
City, City Name, Urbanization (PR)	221, 223; 291(PR), 292 (PR), 295.1(PR), 295.5 (PR)	Place Name
State	224, 225 (mil), Appendix B	State Name
ZIP Code	224	Zip Code
ZIP+4 Code	224	Zip Plus 4
Country	Appendix A3	Country Name
Category: USPS Postal Address Elements		
PO Box Number	33 (List 2, Item 18)	USPS Box ID
Post Office Box Addresses	28, 293 (PR), 295.6 (PR)	Usps Box
Rural Route Address, Highway Contract Route Address, Military Addresses (overseas locations--PSC, CMR, Unit)	24, 25, 238.1 (Mil), 293 (PR), 295.7 (PR)	Usps Address
General Delivery Address, Military Address (Overseas locations--Ship's Name)	26, 238.1 (Mil)	USPS General Delivery Point
Category: USPS Address Lines		
Delivery Address Line	211, 291 (PR). 295.1 (PR)	Delivery Address
City, State, ZIP+4 line or Last Line	211, 22	Place State ZIP

743 **Notes for Postal Profile Tables 1 and 2:**

- 744 1. USPS Publication 28 terminology is inconsistent for some address items.
745 2. Table 2 omits several data elements that provide recipient information, not address

746 information: name prefix, first name, middle name or initial, surname, suffix title,
747 professional title, division/department name, company name, and mailstop code.
748 3. Table 2 omits five non-address data items: carrier route code, operational
749 endorsement/ACS participant code, key line code, POSTNET Barcode, and POSTNET
750 Address Block Barcode.