International Geocoding Coverage

September 2013

Additional coverage has been released for the following countries/territories: Bahrain, Egypt, Kuwait, Lebanon, Mexico, Oman, Qatar, Saudi Arabia, Ukraine, United Arab Emirates, and Venezuela

Enterprise Location Intelligence

Pitney Bowes Software

Every connection is a new opportunity™

International Geocoding Coverage

September 2013

Abstract

FOR THE PAST 25 YEARS, ORGANISATIONS HAVE TURNED TO PITNEY BOWES SOFTWARE FOR LOCATION INTELLIGENCE. OUR BUSINESS-STRENGTH SOLUTIONS ARE DESIGNED NOT ONLY TO PROVIDE ACCURATE GEOCODES—BUT TO PROVIDE THE BUSINESS INSIGHTS NEEDED TO MAKE BETTER BUSINESS DECISIONS. AS A GLOBAL SOLUTIONS PROVIDER, PITNEY BOWES SOFTWARE WORKS WITH ORGANISATIONS WHO SERVE CUSTOMERS IN ASIA, EUROPE, AFRICA, AUSTRALIA AND THE AMERICAS—AND WE HAVE DESIGNED TECHNOLOGIES AND SERVICES SPECIFICALLY GEARED TO MEET THE CHALLENGES OF TODAY'S MULTI-NATIONAL CORPORATIONS. PITNEY BOWES SOFTWARE EXPANDS THIS COVERAGE CONTINUOUSLY BY ADDING MORE COUNTRIES/TERRITORIES TO A HIGH ACCURACY LEVEL OF GEOCODING AND WOULD WELCOME THE OPPORTUNITY TO UNDERSTAND OBJECTIVES FROM CUSTOMERS AND PROSPECTS IN ORDER TO BE ABLE TO PRIORITISE THESE COUNTRIES.

- 240 COUNTRIES/TERRITORIES WITH POSTAL CODE AND CITY CENTROID ACCURACY
- KEY SET OF 100+ WITH ADDRESS POINT INTERPOLATED ACCURACY
- 11 WITH ADDRESS POINT "ROOFTOP" ACCURACY
- OTHER LEVELS AVAILABLE INCLUDE:
  - > PROPERTY BOUNDARIES (PARCELS)
  - > HIGHWAY EXIT #S
  - > LANDMARKS/POINTS OF INTEREST/BUSINESS NAME
  - > NEIGHBORHOOD
  - > USER-GENERATED STREET-CENTERLINE AND POINT DATA
- COMBINES USPS AND SPATIAL DATA FROM TIGER, TOMTOM AND NAVTEQ AS WELL AS OTHER 3RD PARTY DATA PROVIDERS INTO A SINGLE UNIFIED DATA SET
- BUILT-IN ADDRESS VERIFICATION AND CASCADING LOGIC ENSURE ACCURACY
- SPATIAL ANALYSIS TOOLS LET YOU EASILY VISUALISE RESULTS
- LOCAL LANGUAGE-SPECIFIC PARSER
- SINGLE OGC-COMPLIANT API FOR EASE OF DEPLOYMENT
- REVERSE GEOCODING

MORE COVERAGE. GREATER ACCURACY. PITNEY BOWES SOFTWARE IS COMMITTED TO PROVIDING ROBUST COVERAGE ACROSS THE GLOBE AND CONTINUALLY INCREASING THE DEPTH OF OUR COVERAGE FOR THE COUNTRIES WE SERVE.

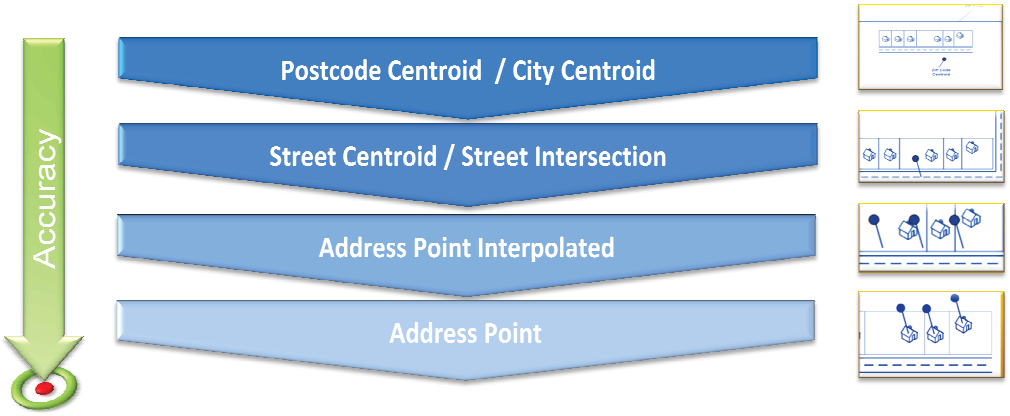
Overview

Pitney Bowes Software offers geocoding in over 240 countries/territories worldwide. These offerings are grouped into different categories by the geocoding's positional accuracy level. Each of those levels meets different business needs when performing spatial analysis, visualisation and demographics assignment using the geographic coordinates of the geocoding process.

- **Postcode & City Accuracy:** the World Geocoder takes addresses from more than 240 countries/territories worldwide and provides Postcode or City Centroid coordinates. In countries where no more detailed address data is available, it is this kind of accuracy that provides a basic accuracy level.

- **Address Point Interpolated Accuracy:** for a key set of 100+ countries/territories, Pitney Bowes Software provides a high accuracy level of Address Point geocoding, interpolated along a house number range on a street segment. This level also provides Street Centroid & Street Intersection geocoding. This accuracy level is appropriate for the majority of location intelligence applications, especially because the geocoded location could be refined by various offsets.

- **Address Point Accuracy:** the highest accuracy level of geocoding is provided by utilising address point data as a reference data set for geocoding. The associated address point is returned as it is without any further processing. Depending on the source data, the geocode may come in one of the following flavors: center of the property's location (parcel centroid), center of the building, or even as doorway or post-box, or property entrance. Also, POI are covered by this level. Currently, Pitney Bowes Software provides this highest level of accuracy for 11 countries.



Individual Country and Language/Character Set

Our code base for International Geocoding supports UTF-8 character sets, so it is enabled to process all the various world-wide character sets as input and as reference data. However, that does not mean the geocoders can translate and match input from any language into the same language as our reference data out-of-the box.

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International Geocoding is available for specific countries at street-level. Level of detail available is listed below.

INDIVIDUAL COUNTRIES

NO.	REGION	COUNTRY/TERRITORY	ADMINISTRATIVE	POSTAL	ADDRESS POINT INTERPOLATED	ADDRESS POINT
1	AMER	Argentina	✓	✓	✓	✗
2	AMER	Bahamas	✓	✗	✓	✗
3	AMER	Brazil	✓	✓	✓	✗
4	AMER	Chile	✓	✓	✓	✗
5	AMER	Canada	✓	✓	✓	✓
6	AMER	Mexico	✓	✓	✓	✓
7	AMER	Uruguay	✓	✗	✓	✗
8	AMER	United States	✓	✓	✓	✓
9	AMER	Venezuela	✓	✗	✓	✗
10	APAC	Australia	✓	✓	✓	✓
11	APAC	China	✓	✓	✓	✗
12	APAC	Hong Kong	✓	✗	✓	✗
13	APAC	India	✓	✓	✓	✓
14	APAC	Indonesia	✓	✓	✓	✗
15	APAC	Japan	✓	✓	✗	✓
16	APAC	Macau	✓	✗	✓	✗
17	APAC	Malaysia	✓	✓	✓	✗
18	APAC	New Zealand	✓	✓	✓	✓
19	APAC	Philippines	✓	✗	✓	✗
20	APAC	Singapore	✓	✓	✓	✓
21	APAC	Taiwan	✓	✓	✓	✗
22	APAC	Thailand	✓	✓	✓	✗
23	EMEA	Andorra	✓	✓	✓	✗
24	EMEA	Angola	✓	✗	✓	✗
25	EMEA	Austria	✓	✓	✓	✗
26	EMEA	Bahrain	✓	✗	✓	✗
27	EMEA	Belgium	✓	✓	✓	✗
28	EMEA	Benin	✓	✗	✓	✗
29	EMEA	Botswana	✓	✗	✓	✗
30	EMEA	Burkina Faso	✓	✗	✓	✗
31	EMEA	Burundi	✓	✗	✓	✗
32	EMEA	Cameroon	✓	✗	✓	✗
33	EMEA	Congo	✓	✗	✓	✗
34	EMEA	Croatia	✓	✓	✓	✗
35	EMEA	Czech Republic	✓	✓	✓	✗
36	EMEA	Democratic Republic of Congo	✓	✗	✓	✗
37	EMEA	Denmark	✓	✓	✓	✗
38	EMEA	Egypt	✓	✗	✓	✗
39	EMEA	Estonia	✓	✓	✓	✗
40	EMEA	Finland	✓	✓	✓	✗
41	EMEA	France	✓	✓	✓	✗
42	EMEA	French Guiana	✓	✓	✓	✗
43	EMEA	Gabon	✓	✗	✓	✗
44	EMEA	Germany	✓	✓	✓	✓
45	EMEA	Ghana	✓	✗	✓	✗
46	EMEA	Greece	✓	✓	✓	✗
47	EMEA	Guadeloupe	✓	✓	✓	✗
48	EMEA	Hungary	✓	✓	✓	✗
49	EMEA	Ireland	✓	✓	✓	✗
50	EMEA	Italy	✓	✓	✓	✗
51	EMEA	Kenya	✓	✗	✓	✗
52	EMEA	Kuwait	✓	✗	✓	✗

✓= AVAILABLE ✗ = NOT AVAILABLE

INDIVIDUAL COUNTRIES

NO.	REGION	COUNTRY/TERRITORY	ADMINISTRATIVE	POSTAL	ADDRESS POINT INTERPOLATED	ADDRESS POINT
53	EMEA	Latvia	✓	✓	✓	✗
54	EMEA	Lebanon	✓	✗	✓	✗
55	EMEA	Lesotho	✓	✗	✓	✗
56	EMEA	Lichtenstein	✓	✓	✓	✗
57	EMEA	Lithuania	✓	✓	✓	✗
58	EMEA	Luxembourg	✓	✓	✓	✗
59	EMEA	Malawi	✓	✗	✓	✗
60	EMEA	Mali	✓	✗	✓	✗
61	EMEA	Martinique	✓	✓	✓	✗
62	EMEA	Mauritania	✓	✗	✓	✗
63	EMEA	Mauritius	✓	✗	✓	✗
64	EMEA	Mayotte	✓	✓	✓	✗
65	EMEA	Monaco	✓	✓	✓	✗
66	EMEA	Morocco	✓	✓	✓	✗
67	EMEA	Mozambique	✓	✗	✓	✗
68	EMEA	Namibia	✓	✗	✓	✗
69	EMEA	Netherlands, The	✓	✓	✓	✗
70	EMEA	Niger	✓	✗	✓	✗
71	EMEA	Nigeria	✓	✗	✓	✗
72	EMEA	Norway	✓	✓	✓	✗
73	EMEA	Oman	✓	✗	✓	✗
74	EMEA	Poland	✓	✓	✓	✗
75	EMEA	Portugal	✓	✓	✓	✗
76	EMEA	Qatar	✓	✗	✓	✗
77	EMEA	Rwanda	✓	✓	✓	✗
78	EMEA	Reunion	✓	✓	✓	✗
79	EMEA	Russia	✓	✓	✓	✗
80	EMEA	San Marino	✓	✓	✓	✗
81	EMEA	Saudi Arabia	✓	✗	✓	✗
82	EMEA	Senegal	✓	✗	✓	✗
83	EMEA	Slovakia	✓	✓	✓	✗
84	EMEA	Slovenia	✓	✓	✓	✗
85	EMEA	South Africa	✓	✓	✓	✗
86	EMEA	Spain	✓	✓	✓	✗
87	EMEA	Swaziland	✓	✗	✓	✗
88	EMEA	Sweden	✓	✓	✓	✓
89	EMEA	Switzerland	✓	✗	✓	✗
90	EMEA	Tanzania	✓	✗	✓	✗
91	EMEA	Togo	✓	✗	✓	✗
92	EMEA	Tunisia	✓	✗	✓	✗
93	EMEA	Turkey	✓	✓	✓	✗
94	EMEA	Uganda	✓	✗	✓	✗
95	EMEA	UK *(England, Wales, Scotland, Northern Ireland)*	✓	✓	✓	✓
96	EMEA	Ukraine	✓	✗	✓	✗
97	EMEA	United Arab Emirates	✓	✗	✓	✗
98	EMEA	Vatican City	✓	✓	✓	✗
99	EMEA	Zambia	✓	✗	✓	✗
100	EMEA	Zimbabwe	✓	✗	✓	✗
101	WORLD	World	✓	✓	✗	✗

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International Geocoding is available on a global basis. Below are the countries that are available in our World Geocoder. Customers can geocode their address data to a city and postcode level. Level of detail available is indicated below.

WORLD GEOCODER COUNTRIES

NO.	COUNTRY/TERRITORY	COUNTRY CODE	CITY/ADMIN	POSTCODE
1	Afghanistan	AFG	✓	✗
2	Albania	ALB	✓	✗
3	Algeria	DZA	✓	✓
4	American Samoa	ASM	✓	✓
5	Andorra	AND	✓	✓
6	Angola	AGO	✓	✗
7	Anguilla	AIA	✓	✗
8	Antarctica	ATA	✓	✗
9	Antigua and Barbuda	ATG	✓	✗
10	Argentina	ARG	✓	✓
11	Armenia	ARM	✓	✓
12	Aruba	ABW	✓	✗
13	Australia	AUS	✓	✓
14	Austria	AUT	✓	✓
15	Azerbaijan	AZE	✓	✓
16	Bahamas	BHS	✓	✗
17	Bahrain	BHR	✓	✓
18	Bangladesh	BGD	✓	✓
19	Barbados	BRB	✓	✗
20	Belarus	BLR	✓	✓
21	Belgium	BEL	✓	✓
22	Belize	BLZ	✓	✗
23	Benin	BEN	✓	✗
24	Bermuda	BMU	✓	✓
25	Bhutan	BTN	✓	✗
26	Bolivia	BOL	✓	✗
27	Bosnia and Herzegovina	BIH	✓	✓
28	Botswana	BWA	✓	✗
29	Brazil	BRA	✓	✓
30	British Indian Ocean Territory	IOT	✓	✓
31	Brunei	BRN	✓	✓
32	Bulgaria	BGR	✓	✓
33	Burkina Faso	BFA	✓	✗
34	Burundi	BDI	✓	✗
35	Cambodia	KHM	✓	✓
36	Cameroon	CMR	✓	✗
37	Canada	CAN	✓	✓
38	Cape Verde	CPV	✓	✓
39	Cayman Islands	CYM	✓	✗
40	Central African Republic	CAF	✓	✗
41	Chad	TCD	✓	✗
42	Chile	CHL	✓	✗
43	China	CHN	✓	✓
44	Christmas Island	CXR	✓	✓
45	Cocos (Keeling) Islands	CCK	✓	✓
46	Colombia	COL	✓	✗
47	Comoros	COM	✓	✗
48	Congo	COG	✓	✗
49	Congo, The Democratic Republic of the	COD	✓	✗
50	Cook Islands	COK	✓	✗
51	Costa Rica	CRI	✓	✓
52	Côte d'Ivoire	CIV	✓	✗

WORLD GEOCODER COUNTRIES

NO.	COUNTRY/TERRITORY	COUNTRY CODE	CITY/ADMIN	POSTCODE
53	Croatia	HRV	✓	✓
54	Cuba	CUB	✓	✓
55	Cyprus	CYP	✓	✓
56	CzechRepublic	CZE	✓	✓
57	Denmark	DNK	✓	✓
58	Djibouti	DJI	✓	✗
59	Dominica	DMA	✓	✗
60	Dominican Republic	DOM	✓	✓
61	Ecuador	ECU	✓	✓
62	Egypt	EGY	✓	✓
63	El Salvador	SLV	✓	✓
64	Equatorial Guinea	GNQ	✓	✗
65	Eritrea	ERI	✓	✗
66	Estonia	EST	✓	✓
67	Ethiopia	ETH	✓	✓
68	Falkland Islands (Malvinas)	FLK	✓	✓
69	Faroe Islands	FRO	✓	✓
70	Fiji	FJI	✓	✗
71	Finland	FIN	✓	✓
72	France	FRA	✓	✓
73	French Guiana	GUF	✓	✓
74	French Polynesia	PYF	✓	✓
75	French Southern Territories	ATF	✓	✗
76	Gabon	GAB	✓	✗
77	Gambia	GMB	✓	✗
78	Georgia	GEO	✓	✓
79	Germany	DEU	✓	✓
80	Ghana	GHA	✓	✗
81	Gibraltar	GIB	✓	✗
82	Greece	GRC	✓	✓
83	Greenland	GRL	✓	✓
84	Grenada	GRD	✓	✗
85	Guadeloupe	GLP	✓	✓
86	Guam	GUM	✓	✓
87	Guatemala	GTM	✓	✓
88	Guernsey	GGY	✓	✓
89	Guinea	GIN	✓	✓
90	Guinea-Bissau	GNB	✓	✓
91	Guyana	GUY	✓	✗
92	Haiti	HTI	✓	✓
93	Heard and McDonalds Island	HMD	✓	✗
94	Holy See *(Vatican City State)*	VAT	✓	✓
95	Honduras	HND	✓	✓
96	Hong Kong	HKG	✓	✗
97	Hungary	HUN	✓	✓
98	Iceland	ISL	✓	✓
99	India	IND	✓	✓
100	Indonesia	IDN	✓	✓
101	Iran, Islamic Republic of	IRN	✓	✓
102	Iraq	IRQ	✓	✓
103	Ireland, Republic of	IRL	✓	✓
104	Isle of Man	IMN	✓	✓

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NO.	COUNTRY/TERRITORY	COUNTRY CODE	CITY/ADMIN	POSTCODE
105	Israel	ISR	✓	✓
106	Italy	ITA	✓	✓
107	Jamaica	JAM	✓	✓
108	Japan	JPN	✓	✓
109	Jersey	JEY	✓	✓
110	Jordan	JOR	✓	✓
111	Kazakhstan	KAZ	✓	✓
112	Kenya	KEN	✓	✓
113	Kiribati	KIR	✓	✗
114	Korea, Democratic People's Republic of	PRK	✓	✗
115	Korea, Republic of	KOR	✓	✓
116	Kuwait	KWT	✓	✓
117	Kyrgyzstan	KGZ	✓	✓
118	Lao People's Democratic Republic	LAO	✓	✓
119	Latvia	LVA	✓	✓
120	Lebanon	LBN	✓	✓
121	Lesotho	LSO	✓	✓
122	Liberia	LBR	✓	✗
123	Libya	LBY	✓	✗
124	Liechtenstein	LIE	✓	✓
125	Lithuania	LTU	✓	✓
126	Luxembourg	LUX	✓	✓
127	Macao	MAC	✓	✗
128	Macedonia, The Former Yugoslav Republic of	MKD	✓	✓
129	Madagascar	MDG	✓	✓
130	Malawi	MWI	✓	✗
131	Malaysia	MYS	✓	✓
132	Maldives	MDV	✓	✓
133	Mali	MLI	✓	✗
134	Malta	MLT	✓	✓
135	Marshall Islands	MHL	✓	✓
136	Martinique	MTQ	✓	✓
137	Mauritania	MRT	✓	✗
138	Mauritius	MUS	✓	✗
139	Mayotte	MYT	✓	✓
140	Mexico	MEX	✓	✓
141	Micronesia, Federated States of	FSM	✓	✓
142	Monaco	MCO	✓	✓
143	Mongolia	MNG	✓	✓
144	Montserrat	MSR	✓	✗
145	Morocco	MAR	✓	✓
146	Mozambique	MOZ	✓	✓
147	Myanmar	MMR	✓	✓
148	Namibia	NAM	✓	✗
149	Narau	NRU	✓	✗
150	Nepal	NPL	✓	✓
151	Netherlands Antilles	ANT	✓	✗
152	Netherlands, The	NLD	✓	✓
153	New Caledonia	NCL	✓	✓
154	New Zealand	NZL	✓	✓
155	Nicaragua	NIC	✓	✗
156	Niger	NER	✓	✓

WORLD GEOCODER COUNTRIES

NO.	COUNTRY/TERRITORY	COUNTRY CODE	CITY/ADMIN	POSTCODE
157	Nigeria	NGA	✓	✓
158	Niue	NIU	✓	✗
159	Norfolk Island	NFK	✓	✓
160	Northern Mariana Islands	MNP	✓	✓
161	Norway	NOR	✓	✓
162	Oman	OMN	✓	✓
163	Pakistan	PAK	✓	✓
164	Palau	PLW	✓	✓
165	Panama	PAN	✓	✗
166	Papua New Guinea	PNG	✓	✓
167	Paraguay	PRY	✓	✓
168	Peru	PER	✓	✗
169	Philippines	PHL	✓	✓
170	Pitcairn	PCN	✓	✓
171	Poland	POL	✓	✓
172	Portugal	PRT	✓	✓
173	Puerto Rico	PRI	✓	✓
174	Qatar	QAT	✓	✗
175	Republic of Moldova	MDA	✓	✓
176	Reunion	REU	✓	✓
177	Romania	ROU	✓	✓
178	Russia	RUS	✓	✓
179	Rwanda	RWA	✓	✗
180	Saint Helena	SHN	✓	✓
181	Saint Kitts and Nevis	KNA	✓	✗
182	Saint Lucia	LCA	✓	✗
183	Saint Pierre and Miquelon	SPM	✓	✓
184	Saint Vincent and the Grenadines	VCT	✓	✗
185	Samoa	WSM	✓	✗
186	San Marino	SMR	✓	✓
187	Sao Tome and Principe	STP	✓	✗
188	Saudi Arabia	SAU	✓	✓
189	Senegal	SEN	✓	✓
190	Serbia & Montenegro	SCG	✓	✓
191	Seychelles	SYC	✓	✗
192	Sierra Leone	SLE	✓	✗
193	Singapore	SGP	✓	✓
194	Slovakia	SVK	✓	✓
195	Slovenia	SVN	✓	✓
196	Solomon Islands	SLB	✓	✗
197	Somalia	SOM	✓	✗
198	South Africa	ZAF	✓	✓
199	South Georgia and the South Sandwich Islands	SGS	✓	✓
200	Spain	ESP	✓	✓
201	Sri Lanka	LKA	✓	✓
202	Sudan	SDN	✓	✓
203	Suriname	SUR	✓	✗
204	Swaziland	SWZ	✓	✓
205	Sweden	SWE	✓	✓
206	Switzerland	CHE	✓	✓
207	Syrian Arab Republic	SYR	✓	✗
208	Taiwan	TWN	✓	✓

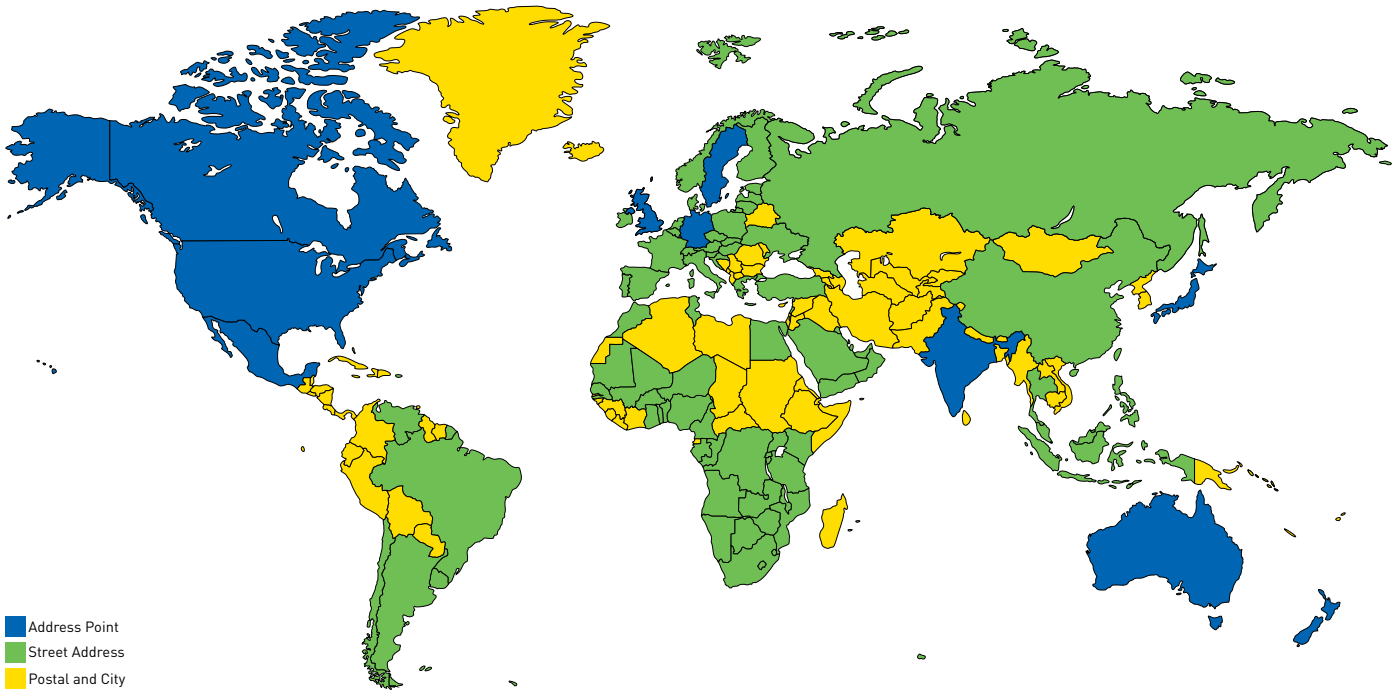
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NO.	COUNTRY/TERRITORY	COUNTRY CODE	CITY/ADMIN	POSTCODE
209	Tajikistan	TJK	✓	✓
210	Tanzania, United Republic of	TZA	✓	✗
211	Thailand	THA	✓	✓
212	Timor-Leste	TLS	✓	✓
213	Togo	TGO	✓	✗
214	Tokelau	TKL	✓	✗
215	Tonga	TON	✓	✗
216	Trinidad and Tobago	TTO	✓	✗
217	Tunisia	TUN	✓	✓
218	Turkey	TUR	✓	✓
219	Turkmenistan	TKM	✓	✓
220	Turks and Caicos Islands	TCA	✓	✓
221	Tuvalu	TUV	✓	✗
222	Uganda	UGA	✓	✗
223	Ukraine	UKR	✓	✓
224	United Arab Emirates	ARE	✓	✗
225	United Kingdom	GBR	✓	✓
226	Uruguay	URY	✓	✓
227	USA	USA	✓	✓
228	Uzbekistan	UZB	✓	✓
229	Vanuatu	VUT	✓	✗
230	Venezuela	VEN	✓	✓
231	Vietnam	VNM	✓	✓
232	Virgin Islands, British	VGB	✓	✗
233	Virgin Islands, U.S.	VIR	✓	✓
234	Wake Island	WAK	✓	✗
235	Wallis anf Futuna	WLF	✓	✓
236	West Bank *(Palestinian Territory, Occupied)*	PSE	✓	✗
237	Western Sahara	ESH	✓	✗
238	Yemen	YEM	✓	✗
239	Zambia	ZMB	✓	✓
240	Zimbabwe	ZWE	✓	✗

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