

9M6, 8	East Malaysia																		
9N	Nepal																		
9Q-9T	Dem Rep. Of Congo																		
9U	Burundi																		
9V	Singapore																		
9X	Rwanda	■	9X0EME	06/28/13	318		●	R	■	9X0EME	06/30/13	288		●	R				
9Y, 9Z	Trinidad & Tobago																		
A2	Botswana	■	A21EME	10/23/19	449		●	R	■	A21EME	10/21/19	457		●	R				
A3	Tonga																		
A4	Oman																		
A5	Bhutan																		
A6	United Arab Emirates	■	A65BR	01/03/15	347		●	R											
A7	Qatar																		
A9	Bahrain																		
AP	Pakistan																		
B	China	■	BD4SY	04/25/10	217		●	R	■	BD4SY	11/28/15	365		●	R				
BS7	Scarborough Reef																		
BU-BX	Taiwan	■	BX1AD	05/19/13	316		●	R	■	BV2A	11/28/10	214		●	R				
BV9P	Pratas I.																		
C2	Nauru																		
C3	Andorra																		
C5	The Gambia																		
C6	Bahamas																		
C8,9	mozambique																		
CA-CE	Chile								■	CE3VRT	01/10/22	511		●	L				
CE0	Easter I.	■	CE0Y/DK2ZF	10/18/10	225		●	R											
CE0	Juan Fernandez Is.																		
CE0	San Felix & San Ambrosio																		
CE9/KC4	Antarctica																		
CM, CO	Cuba																		
CN	Morocco																		
CP	Bolibia																		
CT	Portugal	■	CT1HZE	10/14/12	297		●	R	■	CT1DMK	01/30/10	193	●		R				
CT3	Madeira Is.								■	CT9/EA8DBM	11/24/23	555		●	L				
CU	Azores Is.	■	CR2EME	03/27/18	423		●	R											
CV-CX	Uruguay																		
CY0	Sable I.																		
CY9	St. Paul I.																		
D2,D3	Angola																		
D4	Cape Verde	■	D44TVG	11/04/17	406		●	R											
D6	Comoros																		
DA-DR	Fed. Rep. Of Germany	■	DL9KR	06/20/99	8	●		R	■	DK0ZAB	05/26/01	18	●		R				
	“		DL3YEE	09/18/05	148		●	R		DL3EBJ	08/15/09	167		●	R				
DU-DZ,4D-4I	Philippines	■	DX7EME	11/07/17	414		●	R	■	DU/DL3OCH	12/24/10	217		●	R				
E3	Eritrea																		
E4	Palestine	■	E44CM	11/19/16	392		●	R	■	E44QX	12/09/16	386		●	R				
E5	North. Cook Is.																		
E5	South. Cook Is.																		
E6	Niue																		
E7	Bosnia-Herzegovina	■	E77T	12/26/15	369		●	R	■	E77DX	07/18/09	162		●	R				
EA-EH	Spain	■	EA3DXU	10/31/99	42	●		R	■	EA3XU	08/18/09	168		●	R				
	“		EA3XU	01/10/09	178		●	R											
EA6-EH6	Balearic is.	■	EA6/DF5JJ	07/25/92	x118	●		R	■	EA6/KT6Q	04/23/15	345		●	R				
EA8-EH8	Canary Is.	■	EA8FF	11/10/01	120	●		R	■	EA8DBM	09/27/15	354		●	R				
	“		EA8/G4RGK	04/17/10	213		●	R											

EA9-EH9	Ceuta & Melilla	■	EA9LZ	10/06/17	399	●	R	■	EA9LZ	10/07/17	395	●	R
EI,EJ	Ireland	■	EI8JK	09/10/18	429	●	R	■	EI2FG	02/28/15	342	●	R
EK	Armenia												
EL	Liberia												
EP,EQ	Iran												
ER	Moldova												
ES	Estonia	■	ES6RQ	04/04/04	141	●	R	■	ES5PC	10/23/05	88	●	R
ET	Ethiopia												
EU-EW	Belarus							■	EW7CC	05/03/22	524	●	R
EX	Kyrgyzstan												
EY	Tajikistan												
EZ	Turkmenistan												
F	France	■	F5FEN	10/31/99	44	●	R	■	F2TU	04/28/01	7	●	R
	“		F1NWZ	12/13/08	173	●	R		F5JWF	01/28/07	111	●	R
FG,TO	Guadeloupe	■	FG4KH	01/05/12	273	●	R	■	FG8OJ	12/22/21	507	●	R
FH,TO	Mayotte	■	FH/DL1RPL	11/22/15	360	●	R						
FJ,TO	Saint Barthelemy							■	FJ/EA8DBM	11/16/24	576	●	L
FK,TX	New Caledonia												
FK,TX	Chesterfieled Is.												
FM,TO	Martinique												
FO,TO	Austral Is.												
FO,TX	Clipperton I.												
FO,TX	French Polynesia							■	TX7EME	08/30/21	502	●	R
FO,TX	Marquesas Is.												
FP	St. Pierre & Miquelon												
FR,TO	Reunion	■	FR5DN	11/12/05	149	●	R	■	FR5DN	03/17/19	445	●	R
FT/G,TO	Glorioso Is.												
FT/J,E,TO	Juan de Nova,Europa,												
FT/T,TO	Tromelin I.												
FS,TO	Saint Martin							■	FS/EA8DBM	11/13/24	575	●	L
FT/W	Crozet Is.												
FT/X	Kerguelen Is.												
FT/Z	Amsterdam & St.Paul Is.												
FW	Wallis & Futuna Is.												
FY	French Guiana												
G, GX, M	England	■	G3SEK	08/08/99	22	●	R	■	G3LTF	04/28/01	12	●	R
	“		G4CCH	04/18/10	215	●	R		G4CBW	02/01/09	148	●	R
GD, GT	Isle of Man	■	GD0TEP	05/28/23	509	●	R						
GI, GN	Northern Ireland	■	GI6ATZ	11/28/17	415	●	R	■	MI/DL1YMK	05/30/09	157	●	R
GJ, GH	Jersey	■	MJ/DL1YMK	09/30/13	325	●	R	■	MJ/DL2NUD	10/02/12	263	●	R
GM, GS	Scotland	■	GM4ISM	04/18/10	216	●	R	■	GS3PYE/P	05/01/14	321	●	R
GU, GP	Guernsey												
GW, GC	Wales	■	GW3XYW	11/16/03	138	●	R	■	GW3XYW	11/03/01	36	●	R
	“		GW4LWD	12/06/20	478	●	R						
H4	Solomon Is.	■	H44HP	10/24/13	329	●	R	■	H44HP	10/27/13	301	●	R
H40	Temotu Province.												
HA, HG	Hungary	■	HA1YA	10/30/99	41	●	R	■	HG5BMU	11/26/23	556	●	R
HB	Switzerland	■	HB9SV	01/15/00	73	●	R	■	HB9BBD	04/28/01	8	●	R
	“								HB9HAL	02/15/09	149	●	R
HB0	Liechtenstein	■	HB0/DM1CG	11/02/14	345	●	R	■	HB0/HB9DBM	12/02/18	438	●	R
HC,HD	Ecuador												
HC8,HD8	Galapagos Is.							■	HD8G	04/25/25	583	●	
HH	Haiti												
HI	Dominican Republic	■	HI8DL	01/30/21	480	●	R						

HJ,HK, 5J,5K	Colombia																
HK0	Malpelo I.																
HK0	San Andress & Providencia																
HL, 6K-6N	Republic of Korea	■	HL5QO	01/19/13	307		●	R									
HO,HP	Panama																
HQ,HR	Honduras																
HS, E2	Thailand	■	HS0ZOP	12/20/20	479		●	R	■	HS0ZOP	03/07/22	520		●		R	
HV	Vatican	■	HV0A	08/30/15	353		●	R	■	HV0A	09/19/15	351		●		R	
HZ	Saudi Arabia																
I	Italy	■	IK5QLO	10/03/99	29	●		R	■	IK2MMB	05/26/01	19	●			R	
	“		IK6EIW	03/28/10	212		●	R		IK5QLO	01/24/10	191		●		R	
ISO, IM0	Sardinia	■	IS0/OK5EME	10/22/11	266		●	R	■	IS0/OK5EME	10/23/11	232		●		R	
J2	Djibouti																
J3	Grenada																
J5	Guinea-Bissau																
J6	St. lucia																
J7	Dominica																
J8	St. Vincent																
JA-JS, 7J-7N	Japan	■	JA4BLC	06/01/99	1	●		R	■	JA6CZD	04/25/01	1	●			R	
	“		JH3QYM	12/07/03	139		●	R		JA1WQF	04/26/09	151		●		R	
JD1	Minami Torishima																
JD1	Ogasawara .	■	JD1YCC	02/10/23	502		●	L									
JT-JV	Mongolia																
JW	Svalbard Is.	■	JW/SM2BYA	10/18/03	136	●		R	■	JW/DF8DX	02/22/15	341		●		R	
JX	Jan Mayen I.																
JY	Jordan																
K, W, N, AA-AK	United states of America	■	W7CNK	07/09/99	12	●		R	■	K0YW	04/28/01	3	●			R	
	“		W7AMI	01/08/06	147		●	R		K8EB	01/03/10	188		●		R	
KG4	Guantanamo Bay																
KH0	Mariana Is.								■	KH0/EA8DBM	03/02/25	579		●		L	
KH1	Baker & Howland Is.								■	KH2/EA8DBM	03/04/25	582		●		L	
KH2	Guam																
KH3	Jhonston I.																
KH4	Midway I.																
KH5	Palmyra & Jarvis Is.																
KH6, KH7	Hawaii	■	NH6Y	12/29/22	499		●	RL	■	N1V	03/15/22	521		●		R	
KH7K	Kure I.																
KH8	American Samoa																
KH8	Swains I.																
KH9	Wake I.																
KL, AL, NL, WL	Alaska	■	AL7OB	10/03/99	33	●		R	■	AL7RT	05/20/07	119	●			R	
KP1	Navassa I.																
KP2	Virgin Is.																
KP3,4	Puerto Rico	■	WP4G	12/04/20	476		●	R	■	KP4/EA8DBM	11/20/24	577		●		L	
KP5	Desecheo I.																
LA-LN	Norway	■	LA9NEA	10/14/00	103	●		R	■	LA8AV	09/09/06	101	●			R	
LO-LW	Argentina																
LX	Luxembourg	■	LX1DB	03/11/00	79	●		R	■	LX1DB	04/29/01	14	●			R	
LY	Lithuania	■	LY/DL1YMK	06/03/11	251	●		R	■	LY/DL1YMK	06/04/11	225	●			R	
LZ	Bulgaria	■	LZ1OA	10/23/10	226		●	R	■	LZ2US	05/30/09	156	●			R	
OA-OC	Peru																
OD	Lebanon																
OE	Austria	■	OE5EYM	10/31/99	45	●		R	■	OE5EYM	11/10/01	40	●			R	
	“		OE3SJA	01/10/09	177		●	R		OE3SJA	09/06/09	171		●		R	
OF-OI	Finland	■	OH2DG	07/10/99	14	●		R	■	OH2AXH	04/28/01	11	●			R	

	“		OH4LA	12/13/08	176		●	R		OH3MCK	08/13/06	100		●	R
OH0	Aland Is.								■	OH0/DL1YMK	10/03/09	176	●		R
OJ0	Market Reef	■	OJ0DX	07/27/22	496		●	R	■	OJ0EME	06/19/23	551		●	LR
OK-OL	Czech Republic	■	OK1KIR	06/19/99	5	●		R	■	OK1CA	10/13/01	27	●		R
	“		OK1DFC	02/12/06	153		●	R		OK2KJT	05/03/09	154		●	R
OM	Slovak Republic	■	OM4EX	10/31/23	513		●	R	■	OM4XA	12/25/20	490		●	R
ON-OT	Belgium	■	ON4KNG	04/08/00	85	●		R	■	ON5RR	04/21/02	59	●		R
	“		ON44AOI	06/13/15	352		●	R							
OU-OW, OZ	Denmark	■	OZ4MM	06/20/99	7	●		R	■	OZ4MM	04/28/01	10	●		R
	“		OZ1SKY	11/28/20	474		●	R							
OX	Greenland	■	OX2K	06/01/00	96	●		R							
OY	Faroe Is.								■	OY3JE	11/27/10	212		●	R
P2	Papua new Guinea														
P4	Aruba	■	P40MB	05/07/16	380		●	R							
P5	DPR of Korea														
PA-PI	Netherlands	■	PA3CSG	01/15/00	72	●		R	■	PA3CSG	07/05/03	69	●		R
	“		PE1RDP	12/13/08	174		●	R		PA0BAT	10/08/06	102		●	R
PJ2	Curacao	■	PJ2T	03/03/20	458		●	R	■	PJ2T	02/10/23	544		●	R
PJ4	Bonaire														
PJ5, 6	Saba & Sint Eustatius														
PJ7	St Maarten	■	PJ7/PE1L	11/01/15	357		●	R	■	PJ7/PE1L	10/29/15	357		●	R
PP-PY,ZV-ZZ	Brazil	■	PY1KK	11/28/10	232		●	R	■	PY2BS	05/01/09	153		●	R
PP0-PY0F	Fernando de Noronha														
PP0-PY0S	St. Peter & St. paul Rocks														
PP0-PY0T	Trindade & Martin Vas Is.														
PZ	Suriname														
R1/F	Franz Josef Land														
S0	Western Sahara														
S2	Bangladesh														
S5	Slovenia	■	S52CW	05/06/00	90	●		R	■	S57SU	08/01/10	201		●	R
	“		S51ZO	03/12/11	240		●	R							
S7	Seychelles	■	S79EME	03/27/15	350		●	R	■	S79EME	03/31/15	344		●	R
S9	Sao Tome & principe	■	S9YY	10/14/16	385		●	R							
SA-SM,7S,8S	Sweden	■	SM3AKW	06/20/99	10	●		R	■	SM3AKW	04/28/01	6	●		R
	“		SM2ILF	02/12/06	152		●	R		SM5LE	06/02/06	95		●	R
SN-SR	Poland	■	SP6OPN	08/04/02	126	●		R	■	SP6JLW	11/24/07	129	●		R
	“		SP1JNY	02/15/14	337		●	R							
ST	Sudan														
SU	Egypt														
SV-SZ,J4	Greece	■	SV1BTR	10/10/04	145	●		R	■	SV1BTR	01/19/08	131	●		R
	“		SV8CS	03/07/09	198		●	R							
SV/A	Mount Athos														
SV5, J45	Dodecanese	■	J45EME	08/25/13	319		●	R	■	SV5/HB9COG	10/03/21	503		●	R
SV9, J49	Crete								■	SV9/DF8DX	10/02/12	262		●	R
T2	Tuvalu														
T30	W. Kiribati(Gilbert Is.)														
T31	C. Kiribati(Phoenix Is.)														
T32	E. Kiribati(Line Is.)														
T33	Banaba I.														
T5, 6O	Somalia														
T7	San Marino	■	T70A	09/28/91	x60	●		R	■	T7/LY3UM	08/20/24	562		●	L
T8	Palau								■	T88QX	04/09/14	318		●	R
TA-TC	Turkey	■	TA3/PE1L	09/22/13	323		●	R	■	TA3/PE1L	09/23/13	294		●	R
TF	Iceland														
TG, TD	Guatemala	■	TD9CHR	03/03/18	422		●	R	■	TD9CHR	02/26/18	418		●	R

TI, TE	Costa Rica	■	TI2AEB	02/20/11	237		●	R	■	T12AEB	01/19/13	271		●	R
TI9	Cocos I.														
TJ	Cameroon														
TK	Corsica	■	TK/DL1YMK	05/29/12	289	●		R	■	TK/DL1YMK	05/17/12	246	●		R
	“									TK/EA8DBM	08/27/24	565		●	L
TL	Central Africa														
TN	Republic of Congo														
TR	Gabon														
TT	Chad														
TU	Cote d'Ivoire														
TY	Benin														
TZ	Mali														
UA-UI1-7,RA-RZ	European Russia	■	RW1AW	09/04/99	21	●		R	■	RW1AW	04/17/05	86	●		R
	“		RK3WWF	02/09/08	165		●	R		RW3BP	05/03/09	121		●	R
UA2, RA2	Kaliningrad	■	R2/DL1YMK	05/16/10	218	●		R	■	R2/DL1YMK	05/13/10	195	●		R
UA-UI8,9,0 RA-RZ	Asiatic Russia	■	UA9FAD	05/14/00	95	●		R	■	UA9UHN	08/16/09	164		●	R
UJ-UM	Uzbekistan	■	UK/DL9LBH	02/28/09	190		●	R							
UN-UQ	Kazakhstan	■	UN/DL9LBH	01/07/12	275		●	R	■	UN7GK	01/03/10	189		●	R
UR-UZ, EM-EO	Ukraine	■	UT3LL	10/03/99	30	●		R	■	UR5LX	01/11/04	78	●		R
	“		UT6UG	02/07/09	184		●	R							
V2	Antigua & Barbuda														
V3	Belize	■	V31EME	12/09/17	419		●	R							
V4	St. Kitts & Nevis														
V5	Namibia														
V6	Micronesia														
V7	Marshall Is.														
V8	Brunei Darussalam														
VA-VG,VO,VY	Canada	■	VE1ALQ	10/30/99	37	●		R	■	VE6TA	04/21/02	54	●		R
	“		VE2ZAZ	03/31/09	199		●	R		VA7MM	11/12/06	107		●	R
VK,AX	Australia	■	VK4AFL	08/07/99	20	●		R	■	VK4AFL	11/13/05	91	●		R
	“		VK4CDI	03/07/09	197		●	R		VK7MO	06/07/06	98		●	R
VK0	Heard I.														
VK0	Macqarie I.														
VK9C	Cocos(Keeling) Is.														
VK9L	Lord Howe I.														
VK9M	Mellish Reef														
VK9N	Norfolk I.														
VK9W	Willis I.														
VK9X	Christmas I.														
VP2E	Anguilla	■	VP2EMB	04/16/19	446		●	R	■	VP2EMB	04/14/19	448		●	R
VP2M	Montserrat														
VP2V	British virgin Is.								■	VP2V/EA8DBM	10/17/24	567		●	L
VP5	Turks & Caicos Is.														
VP6	Ducie I.														
VP6	Pitcairn I.														
VP8	Falkland Is.														
VP8, LU	South Georgia I.														
VP8, LU	South Orkney Is.														
VP8, LU	South Sandwich Is.														
VP8, LU, CE9, HF0, 4K1	South Shetland Is.														
VP9	Bermuda														
VQ9	Chagos Is.														
VR	Hong kong	■	VS6BI	12/22/91	x90	●		R							
VU	India														
VU4	Andaman & Nicobar Is.														

VU7	Lakshadweep Is.																
XA-XI	Mexico	■	XE2AT	10/20/13	327		●	R	■	XE1XA	10/03/15	355	●				R
XA4-XI4	Revillagigedo Is.																
XT	Burkina Faso	■	XT2AFT	10/16/16	387		●	R									
XU	Cambodia																
XW	Laos																
XX9	Macao																
XY-XZ	Myanmar																
YA,T6	Afghanistan																
YB-YH	Indonesia								■	YB2MDU	05/23/23	546		●			L
YI	Iraq																
YJ	Vanuatu	■	YJ0HP	10/18/13	326		●	R	■	YJ0HP	10/19/13	297		●			R
YK	Syria																
YL	Latvia	■	YL2HA	02/01/09	182		●	R	■	YL3AG	02/17/08	133		●			R
YN, H6-7, HT	Nicaragua																
YO-YR	Romania	■	YO2IS	01/15/00	75	●		R	■	YO8BCF	09/05/09	170		●			R
	“		YO6OBK	10/17/10	222		●	R									
YS, HU	El Salvador																
YT-YU	Serbia	■	YU7C	06/17/18	428		●	R	■	YU1SAN	08/18/23	553		●			R
YV-YY, 4M	Venezuela	■	YV5ZZ	04/20/80	x20	●		R									
YV0	Aves I.																
Z2	Zimbabwe	■	Z21EME	11/03/14	346		●	R	■	Z21EME	11/05/14	333		●			R
	“		ZE5JJ	07/28/79	x02	●		R									
Z3	North Macedonia								■	Z3/OK1DFC	06/08/08	139		●			R
Z6	Republic of Kosovo	■	Z66EME	04/27/18	425		●	R									
Z8	South Sudan																
ZA	Albania	■	ZA/PA2CHR	06/02/14	341		●	R									
ZB2	Gibraltar																
ZC4	UK Sov.Base Areas on Cyprus	■	ZC4RH	11/18/22	498		●	R									
ZD7	St. Helena																
ZD8	Ascension I																
ZD9	Tristan da Cunha & Gough I.																
ZF	Cayman Is.																
ZK3	Tokelau Is.																
ZL-ZM	New Zealand	■	ZL3AAD	03/03/20	459		●	R	■	ZL1WN	03/29/09	150		●			R
	“		ZL3AAD	04/20/80	x21	●		R									
ZL7	Chatham Is.																
ZL8	Kermadec Is.																
ZL9	New Zealand Subantarctic Is.																
ZP	Paraguay																
ZR-ZU	South Africa	■	ZS6WAB	04/05/09	201		●	R	■	ZS6AXT	05/27/01	22	●				R
	“		ZS6AXT	12/21/91	x87	●		R		ZS5Y	06/13/10	198		●			R
ZS8	Prince Edward & Marion Is.																
entity	340	111	138	138	138	44	94	138	109	126	126	126	126	35	91	125	

entity

mixMODE

CW DG

entity

mixMODE

CW DG