

Status Commands

CMD/Field	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A?	SSID	IP Addr	Channel	Sec Type	Sec Key	DHCP	Lease	Status							
B?	I/F	SPI Mode	DRDY PIN												
C?	SSID	PSWD	Sec Type	DHCP	IP Ver	IP Addr	Mask	Gateway	DNS1	DNS2	Retries	Auto Conn	Auth	CC	Status
F?	Repeats	Delay													
G?	GPIO0	GPIO1	GPIO2	GPIO3	GPIO4	ADC0	ADC1	ADC2	ADC3	ADC4	CFG1	CFG2	WAKEUP		
I?	PID	FW Rev	API Rev	Stack Rev	RTOS Rev	CPU CLK	Prd Name								
P?	Protocol	Client IP	Local Port	Host IP	Rem Port	TCP Sever	UDP Sever	Backlogs	Accept loop	Read Mode	TCP KA	TCP KA TTI			
R?	NOB	Timeout	Rec Mode												
S?	NOB	Timeout													
T?	Target IP	Repeats	Delay												
U?	Port	Buad	Width	Parity	Stop	Mode									
Z?	Config	WPS Pin	VID/PID	MAC	AP IP	PS Mode	Radio	Cur Beacon	Pre Beacon	Prd Name					

Command Formats

Command	Delimiter	Payload	Delimiter
2 Char CMD	=	Req Data	\r ¹
2 Char CMD	=	F1,F2,F3 ²	\r ¹
2 Char CMD	\r ¹		

Response Formats

Delimiter	Payload	Delimiter	Return	Delimiter	Prompt
\r\n ¹	Data	\r\n ¹	OK	\r\n ¹	>sp ³
\r\n ¹	Error Type	\r\n ¹	Usage	\r\n ¹	>sp ³

S0/S3 Format

Command	Delimiter	Payload
S0	\r ¹	Binary Data (1-1460 bytes)
S3	=X\r ¹	Binary Data X=Number of Bytes

How To's

How to reset factory space

- Z3=0 Select factory space
- Z2 Clear settings
- ZR or RSTN Reset

How to save parameters

- Set parameter
 - Z1 Saves all current settings
- Ex. Set UART buad
U2=19200 Set buad rate to 19200
Z1 Save all current settings

Next time the module is reset or power up the baud rate will be 19200.

How to send data

- Join Network (see How to join a network)
 - Setup a TCP/UDP connection (see How to setup a TCP/UDP Comm Server/Client)
 - Set number of bytes (NOB) of data to be sent
 - Send data
- EX.
S1=10 Set NOB to 10
S0\r0123456789¹ Send data
or
S3=10\r0123456789 Send Data

Note 1: \r = Carriage Return, \n = New Line 2: F1,F2,F3 refer separate data fields. 3: sp =space

How to join a network

- Set Access Point SSID
 - Set Access Point Password
 - Set Access Point Security Mode
 - Use DHCP?
 - Join Network
- Ex.
C1=eS-WiFi_Demo Set SSID
C2=LetMeInNow Set Password
C3=4 WPA2-Mixed
C4=1 Use DHCP
C0 Join

How to setup a TCP Comm Sever

- Set Protocol to TCP
 - Set Local port number
 - Start TCP Comm Sever
- EX.
P1=0 Select TCP Protocol
P2=80 Set Port 80
P5=1 Start TCP Comm Server

How to start/shutdown Soft AP Direct Connection

- EX.
AD Start SoftAP,DNS,DHCP,CSO Server
AE Stop SoftAP,DNS,DHCP,CSO Server

How to setup a UDP Comm Sever

- Set Protocol to UDP
 - Set Local port number
 - Start UDP Comm Sever
- EX.
P1=1 Select UDP Protocol
P2=5024 Set Port 5024
P5=1 Start UDP Comm Server

How to setup a TCP Client

- Set Protocol to TCP
 - Set Remote Host IP Address
 - Set Remote Port
 - Start TCP Client
- EX.
P1=0 Select TCP Protocol
P3=192.168.1.2 Set Host IP Address
P4=8001 Set Port 8001
P6=1 Start TCP Client

How to setup a UDP Client

- Set Protocol to UDP
 - Set Remote Host IP Address
 - Set Remote Port
 - Start UDP Client
- EX.
P1=1 Select UDP Protocol
P3=192.168.1.2 Set Host IP Address
P4=8001 Set Port 8001
P6=1 Start UDP Client



Release

Command	=	Function	OPTIONS	Default	Comments	C1.3.5	C2.4.0	C2.5.0
Internal Access Point Commands								
A0		Activate Access Point	None	*****	AP, DHCP, DNS, & Web Server	✓	✓	✓
A1		Set AP Security Mode	0,2,3,4	0	0=Open, 2=WPA, 3=WPA2-AES, 4=WPA2 Mixed	✓	✓	✓
A2		Set AP Security Key		None	32 Alphanumeric Characters	✓	✓	✓
AA		Get AP DHCP Cached Address(es)	None	*****				✓
AC		Set AP Channel	0-13	0	Dependent on Country Code (0=Auto Channel 2.4.0 and above)	✓	✓+	✓
AD		Activate AP Direct Connect Mode	None	*****	AP & DHCP Only	✓	✓	✓
AE		Exit AP Direct Connect Mode	None	*****	Shutdown AP and DHCP	✓	✓	✓
AL		Set AP DHCP Lease Time	0-255	24	C2.4.0 (0=30min, 1-255hr), C2.5.0 (0=30min, 1-254hr, 255=136yr)	✓	✓	✓
AR		Get RSSI of AP clients		*****		✓	✓	✓
AS		Set AP SSID	0/1,SSID	*****	0=No MAC/1=Use Mac, 32 Alphanumeric Characters	✓	✓	✓
AT		Set Maximum number of Clients	1-4	4				✓
A?		Show Settings	None	*****		✓	✓	✓
Host Interface Commands								
B2		Set SPI Mode	0-3	0	0(CPHA=0,CPOL=0), 1(CPHA=0,CPOL=1), 2(CPHA=1,CPOL=0), 3(CPHA=1,CPOL=1)	✓	✓	✓
B3		Select SPI Ready Pin	0-1	0	0=SDRDY(ADC0) pin, 1=SDRDY(ADC0) and WKUP pin	✓	✓	✓
B?		Show Setting - Comm Interface	None	*****	USART	✓	✓	✓
Connect Commands								
C0		Join network	None	*****		✓	✓	✓
C1		Set SSID		None		✓	✓	✓
C2		Set Passphrase		None	WEP: 64: Enter 5 characters or 10 Hex digits exactly 128: Enter 13 characters or 26 Hex digits exactly (see CE command) 63 Character: WPA/WPA2-AES/WPA2-Mixed 64 Hex Characters: WPA-Mixed	✓	✓	✓
C3		Set Security Type	0-4	None	0=Open, 1=WEP, 2=WPA, 3=WPA2-AES, 4=WPA2 Mixed	✓	✓	✓
C4		Set DHCP	TRUE/FALSE	TRUE	0 = False, 1 = True	✓	✓	✓
C5		Set IP Version	IPv4/IPv6	IPv4	0 = IPv4, 1=IPv6	IPv4 Only	IPv4 Only	IPv4 Only
C6		Set IP Address	XXX.XXX.XXX.XXX	192.168.1.1		✓	✓	✓
C7		Set IP Mask	XXX.XXX.XXX.XXX	255.255.255.0		✓	✓	✓
C8		Set Gateway	XXX.XXX.XXX.XXX	192.168.1.1		✓	✓	✓
C9		SET DNS Server 1	XXX.XXX.XXX.XXX	255.255.255.255				✓
CA		SET DNS Server 2	XXX.XXX.XXX.XXX	255.255.255.255				✓
CB		Set Join Retries	1 - 10	*	1.3.5 - 5, 2.4.0 - 2	✓	✓	✓
CC		Auto Connect/Reconnect	0-3	Disable	0=Disabled, 1=Connect, 2=Reconnect, 3=Both (2 & 3 C2.5.0 and higher) Note: Network info must be save to flash prior to power off ('Z1' command)	✓	✓	✓
CD		Disconnect from Network	None	*****		✓	✓	✓
CE		Set Authorization Type	0/1	0	0=Open, 1=Shared Key	✓	✓	✓
CF		Set/Clear Packet Filter	XX	00	00=Off, 01=ARP, 02=SNMP, 40=IPv4, 80=Multicast	✓	✓	✓
CJ		Join/Leave IGMP Group	X,XXX.XXX.XXX.XXX	None	0=Leave/1=Join,IP Address	✓	✓	✓
CM		Add/Remove MAC to/from Mcast List	0/1,XX:XX:XX:XX:XX:XX	*****	0=Remove, 1=Add	✓	✓	✓
CN		Set Country Code	XX	US	See Country Code Table	✓	✓	✓
CR		Get RSSI of attached AP	None	*****	0=Not join to network, RSSI otherwise	✓	✓	✓
CS		Get Connection Status	None	*****	0=Not Connected, 1=Connected	✓	✓	✓
CT		Set WPS Push Button GPIO	#!//? Or 0-9,0-1	*****	<#-Clear/!-Status/?-Info or pin(0-9), mode(0-Push,1-Set Status)> Set WPS PB pin			✓
CW		Connect using WPS Pin/PBC	0/1	*****	0=Pin, 1=PBC(Push Button Configuration)	✓	✓	✓
C?		Show Settings	None	*****		✓	✓	✓
DNS Commands								
D0		DNS Look up		*****	<0-63> Alphanumeric Characters	✓	✓	✓
D1		Set mDNS state and name	0/1,Device Name(32 Chars)					✓
D2		Set mDNS services	0/1,Instance,Service,Port,TTI		<0/1>,<Instance(32 chars)>,<Service(32 Chars)>,<Port>,<TTI>			✓

USB Commands

E2	HID Keep-alive enable	Disable/Enable	0	0=Disabled, 1=Enabled	✓	✓	✓
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Find Networks Commands

F0	Find Networks	None	*****		✓	✓	✓
F1	Set Repeat	0-255	0		✓	✓	✓
F2	Set Delay	0-5000 ms	1000		✓	✓	✓
F3	Set Scan Channel	0=none, 1-14	1		✓	✓	✓
F4	Set Scan BSSID	XX:XX:XX:XX:XX:XX			✓	✓	✓
F5	Set Scan SSID	SSID(32 Chars)		#-Clear	✓	✓	✓
F?	Show Settings	None	*****		✓	✓	✓

GPIO/ADC Commands

G2	Read GPIO/ADC	Pin #,Type	*****	Types: 2=Button, 3=Digital Input, 5 =ADC	✓	✓	✓
G3	Write GPIO	Pin #,Type,Value	*****	Types: 1=LED, 4=Digital Output	✓	✓	✓
G4	GPIO Setup	Pin #,Type	*****	Types: 1=LED, 2=Button, 3=Digital Input, 4=Digital Output, 5=ADC	✓	✓	✓
GT	Get UTC Time	None	*****	Must be connected to network with internet access	✓	✓	✓
G?	Show Settings	None	*****		✓	✓	✓

Help Commands

?	Show Help	None	*****		✓	✓	✓
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Information Commands

I?	Show Revision Information	None	*****		✓	✓	✓
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Message Commands

MF	Test External Serial Flash	None	*****	Erase/Write/Read/Verify test			✓
MR	Message Read (SPI Only)	None	*****	Read asynchronous event messages	✓	✓	✓
MS	Suppress Async Message - DHCP	0/1	0	0=Normal/1=Suppress		✓	✓
MT	Set Message Type	0/1	0	0=Normal/1=Simple			✓

Protocol Commands

P0	Set Socket	0-3	0	Sets the communication socket (P1-P8 are stored for each socket)		✓	✓
P1	Set Transport protocol	0-2	0	0 - TCP, 1 - UDP, 2 - UDP LITE, 3 - TCP-SSL (2.4.0 and above)	✓	✓+	✓
P2	Set Local Port	0-65536	None		✓	✓	✓
P3	Remote Host IP Address	XXX.XXX.XXX.XXX	None		✓	✓	✓
P4	Remote Port	0-65536	None		✓	✓	✓
P5	Stop/Start TCP Server	0-1	0	0 - stop, 1 - start	✓	✓	✓
P6	Stop/Start TCP Client	0-1	0	0 - stop, 1 - start	✓	✓	✓
P7	Start/Stop Request TCP Accept	0-3	0	0 - stop, 1 - start Accept loop, 2 - close current socket, 3 - Next TCP Accept Request	✓	✓	✓
P8	Listen backlog	0-30	8		✓	✓	✓
P9	Certification Verification	0/1/2	0	0=None,1-Optional,2-Required		✓	✓
PA	Set Custom CA Name	0/1,Name		Index(0/1),64 character Name		✓	✓
PB	Root CA Verification Result			0-Terminate SLL conection, 1-Error message, No termination		✓	✓
PC	Security Certificates	0/1,R/W\r<Write Data>	*****	Read/Write Security Certificates		✓	✓
PD	Security Keys	0/1,R/W\r<Write Data>	*****	Read/Write Security Keys		✓	✓
PK	TCP Keep-alive	0/1,250-7200000	1-OFF	0(Enable)/1(Disable), 250-7200000 ms		✓	✓
PR	Packet Read, Ethernet	0-4	0	0 - Off, 1 - All, 2 - non-ARP, 3 - Copy, 4 - Copy non-ARP	✓	✓	✓
PS	Raw Ethernet Packet Statistics	None	*****	Availbe only when using PR/PW commands			✓
PT	USB HID RX Sequencing	0/1		0 - Off, 1 - On			✓
PW	Packet Write, Ethernet	None	*****	Host_Network_Ethernet_Data_Packet Format: PW=<Number of bytes>\r<Data bytes>	✓	✓	✓
PX	UART Streaming	0/1,0-9	*****	0 = Server, 1 = Client,0-9 Exit Streaming gpio pin			✓
PY	Set TCP API Message Timeout	##/?/0-65535	10000	#-Restore Default, 0 - 65535, ?-Info			✓
P?	Show Settings	None	*****		✓	✓	✓

Receive Data Commands

R0	Receive Data		None		✓	✓	✓
R1	Set Data Packet Size	1 - 1460			✓	✓	✓
R2	Receive Timeout	0 - 30000 ms			✓	✓	✓

R3	Receive Mode	0/1	0	0 = Normal, 1 = No Timeout/No Data message			
R?	Show Settings	None	*****		✓	✓	✓
Send Data Commands							
S0	Send Data		None		✓	✓	✓
S1	Set Data Packet Size	1 - 1460			✓	✓	✓
S2	Send Timeout	0 - 30000 ms			✓	✓	✓
S3	Send Data with Packet Size	1-1460	None	XXXX=Packet Size\r<Data>	✓	✓	✓
S?	Show Settings	None	*****		✓	✓	✓
Ping Commands							
T0	Ping		None		✓	✓	✓
T1	Set Target Address	XXX.XXX.XXX.XXX	None		✓	✓	✓
T2	Set Repeat	0-65535	0	C2.5.0 (0 - 65534, 65535=Continuous(ctrl-c to exit))	✓	✓	✓
T3	Set Delay	0-5000ms	0		✓	✓	✓
T?	Show Settings	None	*****		✓	✓	✓
UART Commands							
U0	Activate Change	None	*****		✓	✓	✓
U2	Set BAUD Rate	1200 - 2073600	115200	1200,2400,4800,9600,19200,38400,57600,115200,230400,460800,921600,1152000,1382400,1612800,1843200,2073600 (M3G Only)	✓	✓	✓
U?	Show Settings	None	*****		✓	✓	✓
WLAN Commands							
WL	Set WLAN Link/Activity LEDs	#/? Or 0-9,0-9,0/1	*****	#-Clear/?-Info or Link LED(0-9), Activity LED(0-9),Polarity(0=AL/1=AH)			✓
Systems							
Factory Modes							
Z0	Reset to Factory Defaults	None	*****	Restores current setting to factory default	✓	✓	✓
Z1	Save Current Settings	None	*****	Saves current settings based upon setting from Z3 command	✓	✓	✓
Z2	Clear Saved Settings	None	*****	Based upon setting from Z3 command, Will not clear factory space when locked.	✓	✓	✓
Z3	Set Factory/User Space	0/1	Factory	0= Factory Space, 1=User Space, factory space locked by ZF Command	✓	✓	✓
Z4	Set MAC Address FS/US	XX:XX:XX:XX:XX:XX	00:22:F4:09:0E:08	Set MAC address	✓	✓	✓
Z5	Get MAC Address			Get current MAC address	✓	✓	✓
Z6	Set AP IP Address FS/US	XXX.XXX.XXX.XXX	192.168.1.1	Set Access Point address	✓	✓	✓
Z7	Set WPS Pin Number FS/US	XXXXXXXX	12345678	Set WPS pin (WPS feature to be added in future release)	✓	✓	✓
Z8	Get WPS Pin Number FS/US			Get current WPS pin (WPS feature to be added in future release)	✓	✓	✓
Z9	Set USB VID/PID FS/US	XXXX,XXXX		Set USB Vendor ID/Product ID (Ex. 0A5C, 43FA)	✓	✓	✓
ZC	Clear Factory Switch	Unset, bit7 = 0	*****	***** EVB Onlys, Not in production releases *****	✓	✓	✓
ZD	Flash Dump	0,1		Dump based upon setting from Z3 command	✓	✓	✓
ZF	Set Factory Switch	Set, bit7 = 1	*****	Once Set FS settings are locked	✓	✓	✓
ZN	Set Product Name	None	Inventek Systems eS-WiFi	40 Characters + NULL	✓	✓	✓
ZO	OTA Firmware Update	None	*****	<1 - 128>\r<URL Bytes(http://domain:port/bin_file_path>			✓
ZP	Power Management	Feature, Enable/Disable/Interval		Feature: 0 - WiFi On/Power Save OFF, 1 - Power Save Mode, 2 - Beacon Listen Interval (1-60), 3 - WiFi OFF, 4 - WiFi Reset, ? PM Status 5 - Stop Mode 6, n - Sleep (0 to 3600000) in ms (C2.5.0 and above)	✓	✓	✓
ZR	Reset Module	None	*****	Software controlled reset.	✓	✓	✓
ZS	Get Module Serial Number	None			✓	✓	✓
ZT	Set Serial Number	16 characters	*****			✓	✓
ZU	Firmware Upgrade	None	*****	Starts firmware upgrade using internal bootloader	✓	✓	✓
ZV	Set OTA Method	None	*****	0-Local(via SoftAP), 1-Internet Server, 2-KCD Server			✓
Z?	Show State	None	*****	Based upon setting from Z3 command	✓	✓	✓
\$\$\$	Enter CMD Mode	None	*****	Human readable responses	✓	✓	✓
---	Exit CMD Mode	None	*****	Machine readable responses	✓	✓	✓

Note

FS Factory Switch feature
* Not Supported, but does not return an error.

Country	Code	Country	Code	Country	Code
AFGHANISTAN	AF	GREECE	GR	OMAN	OM
ALBANIA	AL	GRENADA	GD	PAKISTAN	PK
ALGERIA	DZ	GUADELOUPE	GP	PALAU	PW
AMERICAN_SAMOA	AS	GUAM	GU	PANAMA	PA
ANGOLA	AO	GUATEMALA	GT	PAPUA_NEW_GUINEA	PG
ANGUILLA	AI	GUERNSEY	GG	PARAGUAY	PY
ANTIGUA_AND_BARBUDA	AG	GUINEA	GN	PERU	PE
ARGENTINA	AR	GUINEA_BISSAU	GW	PHILIPPINES	PH
ARMENIA	AM	GUYANA	GY	POLAND	PL
ARUBA	AW	HAITI	HT	PORTUGAL	PT
AUSTRALIA	AU	HOLY_SEE_VATICAN_CITY_STATE	VA	PUETO_RICO	PR
AUSTRIA	AT	HONDURAS	HN	QATAR	QA
AZERBAIJAN	AZ	HONG_KONG	HK	REUNION	RE
BAHAMAS	BS	HUNGARY	HU	ROMANIA	RO
BAHRAIN	BH	ICELAND	IS	RUSSIAN_FEDERATION	RU
BAKER_ISLAND	OB	INDIA	IN	RWANDA	RW
BANGLADESH	BD	INDONESIA	ID	SAINT_KITTS_AND_NEVIS	KN
BARBADOS	BB	IRAN_ISLAMIC_REPUBLIC_OF	IR	SAINT_LUCIA	LC
BELARUS	BY	IRAQ	IQ	SAINT_PIERRE_AND_MIQUELON	PM
BELGIUM	BE	IRELAND	IE	SAINT_VINCENT_AND_THE_GRENADINES	VC
BELIZE	BZ	ISRAEL	IL	SAMOA	WS
BENIN	BJ	ITALY	IT	SANIT_MARTIN_SINT_MARTEEN	MF
BERMUDA	BM	JAMAICA	JM	SAO_TOME_AND_PRINCIPE	ST
BHUTAN	BT	JAPAN	JP	SAUDI_ARABIA	SA
BOLIVIA	BO	JERSEY	JE	SENEGAL	SN
BOSNIA_AND_HERZEGOVINA	BA	JORDAN	JO	SERBIA	RS
BOTSWANA	BW	KAZAKHSTAN	KZ	SEYCHELLES	SC
BRAZIL	BR	KENYA	KE	SIERRA_LEONE	SL
BRITISH_INDIAN_OCEAN_TERRITORY	IO	KIRIBATI	KI	SINGAPORE	SG
BRUNEI_DARUSSALAM	BN	KOREA_REPUBLIC_OF	KR	SLOVAKIA	SK
BULGARIA	BG	KOSOVO	OA	SLOVENIA	SI
BURKINA_FASO	BF	KUWAIT	KW	SOLOMON_ISLANDS	SB
BURUNDI	BI	KYRGYZSTAN	KG	SOMALIA	SO
CAMBODIA	KH	LAO_PEOPLES_DEMOCRATIC_REPUBIC	LA	SOUTH_AFRICA	ZA
CAMEROON	CM	LATVIA	LV	SPAIN	ES
CANADA	CA	LEBANON	LB	SRI_LANKA	LK
CAPE_VERDE	CV	LESOTHO	LS	SURINAME	SR
CAYMAN_ISLANDS	KY	LIBERIA	LR	SWAZILAND	SZ
CENTRAL_AFRICAN_REPUBLIC	CF	LIBYAN_ARAB_JAMAHIRIYA	LY	SWEDEN	SE
CHAD	TD	LIECHTENSTEIN	LI	SWITZERLAND	CH
CHILE	CL	LITHUANIA	LT	SYRIAN_ARAB_REPUBLIC	SY
CHINA	CN	LUXEMBOURG	LU	TAIWAN_PROVINCE_OF_CHINA	TW
CHRISTMAS_ISLAND	CX	MACAO	MO	TAJKISTAN	TJ
COLOMBIA	CO	MACEDONIA_FORMER_YUGOSLAV_REPUBLIC_OF	MK	TANZANIA_UNITED_REPUBLIC_OF	TZ
COMOROS	KM	MADAGASCAR	MG	THAILAND	TH
CONGO	CG	MALAWI	MW	TOGO	TG
CONGO_THE_DEMOCRATIC_REPUBLIC_OF_THE	CD	MALAYSIA	MY	TONGA	TO
COSTA_RICA	CR	MALDIVES	MV	TRINIDAD_AND_TOBAGO	TT
COTE_DIVOIRE	CI	MALI	ML	TUNISIA	TN
CROATIA	HR	MALTA	MT	TURKEY	TR
CUBA	CU	MAN_ISLE_OF	IM	TURKMENISTAN	TM
CYPRUS	CY	MARTINIQUE	MQ	TURKS_AND_CAICOS_ISLANDS	TC
CZECH_REPUBLIC	CZ	MAURITANIA	MR	TUVALU	TV
DENMARK	DK	MAURITIUS	MU	UGANDA	UG
DJIBOUTI	DJ	MAYOTTE	YT	UKRAINE	UA
DOMINICA	DM	MEXICO	MX	UNITED_ARAB_EMIRATES	AE
DOMINICAN_REPUBLIC	DO	MICRONESIA_FEDERATED_STATES_OF	FM	UNITED_KINGDOM	GB
ECUADOR	EC	MOLDOVA_REPUBLIC_OF	MD	UNITED_STATES	US
EGYPT	EG	MONACO	MC	UNITED_STATES_REV4	US
EL_SALVADOR	SV	MONGOLIA	MN	UNITED_STATES_NO_DES	Q2
EQUATORIAL_GUINEA	GQ	MONTENEGRO	ME	UNITED_STATES_MINOR_OUTLYING_ISLANDS	UM
ERITREA	ER	MONTSERRAT	MS	URUGUAY	UY
ESTONIA	EE	MOROCCO	MA	UZBEKISTAN	UZ
ETHIOPIA	ET	MOZAMBIQUE	MZ	VANUATU	VU
FALKLAND_ISLANDS_MALVINAS	FK	MYANMAR	MM	VENEZUELA	VE
FAROE_ISLANDS	FO	NAMIBIA	NA	VIET_NAM	VN
FIJI	FJ	NAURU	NR	VIRGIN_ISLANDS_BRITISH	VG
FINLAND	FI	NEPAL	NP	VIRGIN_ISLANDS_US	VI
FRANCE	FR	NETHERLANDS	NL	WALLIS_AND_FUTUNA	WF
FRENCH_GUINA	GF	NETHERLANDS_ANTILLES	AN	WEST_BANK	OC
FRENCH_POLYNESIA	PF	NEW_CALEDONIA	NC	WESTERN_SAHARA	EH
FRENCH_SOUTHERN_TERRITORIES	TF	NEW_ZEALAND	NZ	YEMEN	YE
GABON	GA	NICARAGUA	NI	ZAMBIA	ZM
GAMBIA	GM	NIGER	NE	ZIMBABWE	ZW
GEORGIA	GE	NIGERIA	NG		
GERMANY	DE	NORFOLK_ISLAND	NF		
GHANA	GH	NORTHERN_MARIANA_ISLANDS	MP		
GIBRALTAR	GI	NORWAY	NO		