

Country	Carrier	Voice/SMS 2G	Voice/SMS 3G	Data 2G	Data 3G	4G (LTE)	5G
Afghanistan	MTN	YES	YES	YES	YES	N/A	N/A
Afghanistan	AWCC	YES	YES	YES	YES	YES	N/A
Afghanistan	Etisalat	YES	YES	YES	YES	YES	N/A
Afghanistan	TDCA	YES	YES	YES	YES	YES	N/A
Aland Islands	Mobiltelefon	YES	YES	YES	YES	YES	N/A
Albania	ONE Telecommunications	YES	YES	YES	YES	YES	N/A
Albania	Albtelecom	YES	YES	YES	YES	YES	N/A
Albania	Plus	YES	YES	YES	YES	N/A	N/A
Albania	Vodafone	YES	YES	YES	YES	YES	N/A
Algeria	ATM	YES	YES	YES	YES	YES	N/A
Algeria	Djezzy	YES	YES	YES	YES	YES	N/A
Algeria	Wataniya	YES	YES	YES	YES	YES	N/A
American Samoa	BlueSky	N/A	YES	N/A	YES	YES	N/A
Andorra	Andorra Telecom	YES	YES	YES	YES	YES	N/A
Angola	Movicel	YES	YES	YES	YES	N/A	N/A
Angola	Unitel	YES	YES	YES	YES	N/A	N/A
Anguilla	Cable & Wireless	YES	YES	YES	YES	YES	N/A
Anguilla	Digicel	YES	YES	YES	YES	YES	N/A
Antigua & Barbuda	APUA	YES	YES	YES	YES	YES	N/A
Antigua & Barbuda	Cable & Wireless	YES	YES	YES	YES	YES	N/A
Antigua & Barbuda	Digicel	YES	YES	YES	YES	YES	N/A
Argentina	Claro	YES	YES	YES	YES	YES	N/A
Argentina	Nextel	N/A	N/A	N/A	N/A	N/A	N/A
Argentina	Telefonica	YES	YES	YES	YES	YES	N/A
Argentina	Telecom Personal	YES	YES	YES	YES	YES	N/A
Armenia	Armentel	YES	YES	YES	YES	YES	N/A
Armenia	MTS	YES	YES	YES	YES	YES	N/A
Armenia	Orange	YES	YES	YES	YES	YES	N/A
Aruba	Digicel	N/A	N/A	N/A	N/A	N/A	N/A
Aruba	Setar	YES	YES	YES	YES	YES	N/A
Aruba	Digicel	YES	YES	YES	YES	YES	N/A
Australia	Optus	YES	YES	YES	YES	YES	N/A
Australia	Telstra	YES	YES	YES	YES	YES	N/A
Australia	TPG Telecom Limited	YES	YES	YES	YES	YES	N/A
Austria	Hutchison	YES	YES	YES	YES	YES	YES
Austria	Mobilkom	N/A	N/A	N/A	N/A	N/A	N/A
Austria	T-Mobile	YES	YES	YES	YES	YES	N/A
Austria	A1 Telekom	N/A	N/A	N/A	N/A	N/A	N/A
Austria	Mobilkom	YES	YES	YES	YES	YES	YES
Austria	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
Azerbaijan	Azercell	YES	YES	YES	YES	YES	N/A
Azerbaijan	Azerfon	YES	YES	YES	YES	N/A	N/A
Azerbaijan	Bakcell	YES	YES	YES	YES	YES	N/A
Bahamas	BTC	YES	YES	YES	YES	YES	N/A
Bahamas	NewCo (Be Aliv Limited)	N/A	YES	N/A	YES	YES	N/A
Bahrain	Batelco	YES	YES	YES	YES	YES	N/A
Bahrain	Zain	YES	YES	YES	YES	YES	N/A
Bahrain	Viva	YES	YES	YES	YES	YES	N/A
Bangladesh	Robi Axiata	YES	YES	YES	YES	YES	N/A
Bangladesh	Banglalink	YES	YES	YES	YES	YES	N/A
Bangladesh	Grameenphone	YES	YES	YES	YES	YES	N/A
Bangladesh	Robi Axiata	YES	YES	YES	YES	N/A	N/A
Barbados	Cable & Wireless	YES	YES	YES	YES	YES	N/A
Barbados	Digicel	YES	YES	YES	YES	YES	N/A
Belarus	MTS	YES	YES	YES	YES	YES	N/A
Belarus	BeST	YES	YES	YES	YES	YES	N/A
Belarus	Velcom	YES	YES	YES	YES	YES	N/A
Belgium	BICS MVNE	N/A	N/A	N/A	N/A	N/A	N/A
Belgium	Base	YES	YES	YES	YES	YES	YES
Belgium	Mobistar	YES	YES	YES	YES	YES	N/A
Belgium	Belgacom	YES	YES	YES	YES	YES	YES

Belgium	Telenet	N/A	N/A	N/A	N/A	N/A	N/A
Belize	Telemedia	YES	YES	YES	YES	YES	N/A
Belize	SpeedNet	N/A	YES	N/A	YES	YES	N/A
Benin	Etisalat	YES	YES	YES	YES	YES	N/A
Benin	MTN	YES	YES	YES	YES	YES	N/A
Bermuda	BDC	YES	YES	YES	YES	YES	N/A
Bermuda	Digicel	YES	YES	YES	YES	YES	N/A
Bhutan	B-Mobile	YES	YES	YES	YES	YES	N/A
Bhutan	Tashicell	YES	YES	YES	YES	YES	N/A
Bolivia	Entel	YES	YES	YES	YES	N/A	N/A
Bolivia	Nuevatel	YES	YES	YES	YES	YES	N/A
Bolivia	Tigo	YES	YES	YES	YES	YES	N/A
Bonaire	Digicel	YES	YES	YES	YES	YES	N/A
Bonaire	SETEL	YES	YES	YES	YES	YES	N/A
Bosnia & Herzegovina	HT Eronet	YES	YES	YES	YES	YES	N/A
Bosnia & Herzegovina	M:Tel	YES	YES	YES	YES	N/A	N/A
Bosnia & Herzegovina	BH Telecom	YES	YES	YES	YES	YES	N/A
Botswana	BTC	YES	YES	YES	YES	N/A	N/A
Botswana	Mascom	YES	YES	YES	YES	N/A	N/A
Botswana	Orange	YES	YES	YES	YES	YES	N/A
Brazil	Oi (Central)	YES	YES	YES	YES	YES	N/A
Brazil	Claro	YES	YES	YES	YES	YES	N/A
Brazil	TIM (Central)	YES	YES	YES	YES	YES	YES
Brazil	TIM (Central)	N/A	N/A	N/A	N/A	N/A	N/A
Brazil	TIM (Rio & North)	YES	YES	YES	YES	YES	YES
Brazil	TIM (Sao Paulo)	YES	YES	YES	YES	YES	YES
Brazil	Telefonica (Minas Gerais)	YES	YES	YES	YES	YES	YES
Brazil	Oi (Sao Paulo, Rio & North)	YES	YES	YES	YES	YES	N/A
Brazil	Telefonica (Sao Paulo)	YES	YES	YES	YES	YES	YES
Brazil	Telefonica (Central)	YES	YES	YES	YES	YES	YES
Brazil	Telefonica (Rio & North)	YES	YES	YES	YES	YES	YES
British Virgin Islands	Digicel	N/A	YES	N/A	YES	YES	N/A
British Virgin Islands	CCT	YES	YES	YES	YES	N/A	N/A
British Virgin Islands	Cable & Wireless	YES	YES	YES	YES	YES	N/A
British Virgin Islands	Digicel	N/A	YES	N/A	YES	YES	N/A
Brunei	UNN	N/A	N/A	N/A	N/A	N/A	N/A
Brunei	UNN	N/A	YES	N/A	YES	YES	YES
Brunei	UNN	N/A	N/A	N/A	N/A	N/A	N/A
Brunei	UNN	N/A	N/A	N/A	N/A	N/A	N/A
Bulgaria	Mobiltel	YES	YES	YES	YES	YES	YES
Bulgaria	Globul	YES	YES	YES	YES	YES	YES
Bulgaria	Vivacom	YES	YES	YES	YES	YES	YES
Burkina Faso	Airtel	YES	YES	YES	YES	YES	N/A
Burkina Faso	Telmob	YES	N/A	YES	N/A	YES	N/A
Burundi	Econet Leo	N/A	N/A	N/A	N/A	N/A	N/A
Burundi	Smart Burundi	YES	YES	YES	YES	N/A	N/A
Burundi	Econet Leo	YES	N/A	YES	N/A	N/A	N/A
Cambodia	CADCOMMS	N/A	YES	N/A	YES	N/A	N/A
Cambodia	CamGSM	YES	YES	YES	YES	YES	N/A
Cambodia	Latelz	N/A	N/A	N/A	N/A	N/A	N/A
Cambodia	Hello	YES	N/A	YES	N/A	YES	N/A
Cambodia	Metfone	YES	YES	YES	YES	YES	N/A
Cameroon	Orange	YES	YES	YES	YES	YES	N/A
Cameroon	MTN	YES	YES	YES	YES	YES	N/A
Canada	Eastlink	N/A	N/A	N/A	N/A	N/A	N/A
Canada	Execulink	N/A	N/A	N/A	N/A	N/A	N/A
Canada	Wind	N/A	N/A	N/A	N/A	N/A	N/A
Canada	Ice Wireless Inc	N/A	N/A	N/A	N/A	N/A	N/A
Canada	Rogers	N/A	N/A	N/A	N/A	N/A	N/A
Canada	Rogers	N/A	N/A	N/A	N/A	N/A	N/A
Canada	Sasktel	N/A	N/A	N/A	N/A	N/A	N/A
Canada	Videotron	N/A	N/A	N/A	N/A	N/A	N/A
Canada	Wightman	N/A	N/A	N/A	N/A	N/A	N/A
Canada	Rogers	N/A	N/A	N/A	N/A	N/A	N/A

Cape Verde	CV Movel	YES	YES	YES	YES	YES	N/A
Cape Verde	T+	YES	YES	YES	YES	YES	N/A
Cayman Islands	Cable & Wireless	YES	YES	YES	YES	YES	N/A
Cayman Islands	Digicel	N/A	YES	N/A	YES	YES	N/A
Central Africa Republic	Telecel	YES	N/A	N/A	N/A	N/A	N/A
Central Africa Republic	Orange	YES	YES	YES	YES	N/A	N/A
Central Africa Republic	Moov	YES	N/A	YES	N/A	N/A	N/A
Chad	Airtel	YES	YES	YES	YES	YES	N/A
Chad	Tigo	YES	YES	YES	YES	YES	N/A
Chile	Entel	YES	YES	YES	YES	YES	N/A
Chile	WOM	N/A	YES	N/A	YES	YES	N/A
Chile	Claro	YES	YES	YES	YES	YES	N/A
Chile	Telefonica	YES	YES	YES	YES	YES	N/A
Chile	VTR	N/A	N/A	N/A	N/A	N/A	N/A
China	China Mobile	N/A	N/A	N/A	N/A	N/A	N/A
China	China Unicom	N/A	N/A	N/A	N/A	N/A	N/A
China	China Mobile	YES	N/A	YES	N/A	YES	YES
China	China Unicom	YES	YES	YES	YES	YES	YES
China	China Telecom	N/A	N/A	N/A	N/A	N/A	N/A
China	China Mobile	N/A	N/A	N/A	N/A	N/A	N/A
China	China Mobile	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	Claro	YES	YES	YES	YES	YES	N/A
Colombia	Tigo	YES	YES	YES	YES	YES	N/A
Colombia	Tigo	N/A	N/A	N/A	N/A	N/A	N/A
Colombia	Telefonica	YES	YES	YES	YES	YES	N/A
Comoros	Comores Telecom	YES	YES	YES	YES	N/A	N/A
Congo	Airtel	YES	YES	YES	YES	YES	N/A
CONGO	MTN CONGO S.A	YES	YES	YES	YES	YES	N/A
Congo DRC	Africell	YES	YES	YES	YES	N/A	N/A
Congo DRC	Airtel	YES	YES	YES	YES	YES	N/A
Congo DRC	Orange	YES	YES	YES	YES	YES	N/A
Congo DRC	Orange DRC	N/A	N/A	N/A	N/A	N/A	N/A
Congo DRC	Vodacom	YES	YES	YES	YES	YES	N/A
Cook Islands	Telecom Cook Islands	YES	YES	YES	YES	YES	N/A
Costa Rica	Claro	YES	YES	YES	YES	YES	N/A
Costa Rica	I.C.E.	YES	YES	YES	YES	YES	N/A
Costa Rica	Telefonica	YES	YES	YES	YES	YES	N/A
Côte D'Ivoire	Moov	YES	YES	YES	YES	YES	N/A
Côte D'Ivoire	Orange	YES	YES	YES	YES	YES	N/A
Côte D'Ivoire	MTN	YES	YES	YES	YES	YES	N/A
Croatia	T-Mobile	YES	YES	YES	YES	YES	YES
Croatia	Telemach	YES	YES	YES	YES	YES	YES
Croatia	A1 Hrvatska d.o.o.	YES	YES	YES	YES	YES	N/A
Cuba	Cubacel	YES	YES	YES	YES	YES	N/A
Curacao	Digicel	YES	YES	YES	YES	YES	N/A
Curacao	SETEL	YES	YES	YES	YES	YES	N/A
Cyprus	Cytamobile - Vodafone	YES	YES	YES	YES	YES	N/A
Cyprus	PrimeTel	N/A	YES	N/A	YES	YES	N/A
Cyprus	MTN	YES	YES	YES	YES	YES	YES
Czech Republic	Vodafone	YES	N/A	YES	N/A	YES	YES
Czech Republic	Telefonica	YES	N/A	YES	N/A	YES	YES
Czech Republic	T-Mobile	YES	N/A	YES	N/A	YES	YES
Denmark	Telenor	YES	N/A	YES	N/A	YES	YES
Denmark	Hutchison	N/A	YES	N/A	YES	YES	YES
Denmark	TeliaSonera	YES	YES	YES	YES	YES	YES
Denmark	TDC	YES	YES	YES	YES	YES	YES
Djibouti	Djibouti Telecom	YES	YES	YES	YES	YES	N/A
Dominica	Cable & Wireless	YES	YES	YES	YES	YES	N/A
Dominica	Digicel	YES	YES	YES	YES	YES	N/A
Dominican Republic	Orange	YES	YES	YES	YES	YES	YES
Dominican Republic	Trilogy	YES	N/A	YES	N/A	YES	N/A
Dominican Republic	Claro	YES	YES	YES	YES	YES	N/A
East Timor	Timor Telecom	YES	YES	YES	YES	N/A	N/A
East Timor	Viettel	YES	YES	YES	YES	YES	N/A

Ecuador	CNT EP	N/A	YES	N/A	YES	YES	N/A
Ecuador	Telefonica	YES	YES	YES	YES	YES	N/A
Ecuador	Claro	YES	YES	YES	YES	YES	N/A
Egypt	Orange	YES	YES	YES	YES	YES	N/A
Egypt	Etisalat	YES	YES	YES	YES	YES	N/A
Egypt	Vodafone	YES	YES	YES	YES	YES	N/A
Egypt	Telecom	N/A	N/A	N/A	N/A	N/A	N/A
El Salvador	Digicel	YES	YES	YES	YES	YES	N/A
El Salvador	Tigo	YES	YES	YES	YES	YES	N/A
El Salvador	Claro	YES	YES	YES	YES	YES	N/A
El Salvador	Telefonica	YES	YES	YES	YES	YES	N/A
Equatorial Guinea	Muni	YES	N/A	YES	N/A	N/A	N/A
Equatorial Guinea	Orange Getesa	YES	YES	N/A	N/A	N/A	N/A
Estonia	EMT	YES	YES	YES	YES	YES	YES
Estonia	Tele2	YES	YES	YES	YES	YES	N/A
Estonia	Elisa	YES	YES	YES	YES	YES	YES
Ethiopia	Ethio Telecom	YES	YES	YES	YES	YES	N/A
Falkland Islands	Sure	YES	N/A	YES	N/A	N/A	N/A
Faroe Islands	Faroese Telecom	YES	YES	YES	YES	YES	N/A
Faroe Islands	Vodafone	YES	YES	YES	YES	YES	N/A
Fiji	Digicel	YES	YES	YES	YES	YES	N/A
Fiji	Vodafone	YES	YES	YES	YES	YES	N/A
Finland	DNA	YES	YES	YES	YES	YES	YES
Finland	Mobiltelefon	YES	YES	YES	YES	YES	N/A
Finland	Elisa	N/A	N/A	N/A	N/A	N/A	N/A
Finland	Elisa	YES	YES	YES	YES	YES	YES
Finland	DNA	N/A	N/A	N/A	N/A	N/A	N/A
Finland	TeliaSonera	YES	YES	YES	YES	YES	YES
France	Orange	N/A	N/A	N/A	N/A	N/A	N/A
France	Transatel	N/A	N/A	N/A	N/A	N/A	N/A
France	SFR	N/A	N/A	N/A	N/A	N/A	N/A
France	Orange	YES	YES	YES	YES	YES	YES
France	SFR	YES	YES	YES	YES	YES	YES
France	Bouygues	YES	YES	YES	YES	YES	YES
France	Free Mobile	N/A	YES	N/A	YES	YES	N/A
French Guiana	Digicel	YES	YES	YES	YES	YES	N/A
French Guiana	Orange	YES	YES	YES	YES	YES	N/A
French Guiana	Outremer Telecom	YES	YES	YES	YES	YES	N/A
French Polynesia	Tikiphone	YES	YES	YES	YES	YES	N/A
French Polynesia	Vodafone	YES	YES	YES	YES	YES	N/A
French West Indies	Digicel	YES	YES	YES	YES	YES	N/A
French West Indies	Orange	YES	YES	YES	YES	YES	N/A
French West Indies	Dauphin	YES	YES	YES	YES	YES	N/A
French West Indies	Outremer Telecom	YES	YES	YES	YES	YES	N/A
Gabon	Libertis	YES	YES	YES	YES	YES	N/A
Gabon	Airtel	YES	YES	YES	YES	YES	N/A
Galapagos	Telefonica	YES	YES	YES	YES	YES	N/A
Galapagos	Claro	YES	YES	YES	YES	YES	N/A
Gambia	Africell	YES	YES	YES	YES	YES	N/A
Gambia	Comium	YES	N/A	N/A	N/A	N/A	N/A
Gambia	Qcell	YES	YES	YES	YES	YES	N/A
Georgia	Geocell	YES	YES	YES	YES	YES	N/A
Georgia	Magticom	YES	YES	YES	YES	YES	N/A
Georgia	VimpelCom	YES	N/A	YES	N/A	YES	N/A
Germany	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
Germany	T-Mobile	YES	N/A	YES	N/A	YES	YES
Germany	Vodafone	YES	N/A	YES	N/A	YES	YES
Germany	Telefonica	YES	N/A	YES	N/A	N/A	N/A
Germany	Telefonica	YES	N/A	YES	N/A	YES	YES
Germany	Telefonica	N/A	N/A	N/A	N/A	N/A	N/A
Ghana	Glo	YES	YES	YES	YES	N/A	N/A
Ghana	Vodafone	YES	YES	YES	YES	YES	N/A
Ghana	AirtelTigo	YES	YES	YES	YES	N/A	N/A
Ghana	MTN	YES	YES	YES	YES	YES	N/A

Ghana	AirtelTigo	YES	YES	YES	YES	N/A	N/A
Gibraltar	Gibtelecom	YES	YES	YES	YES	YES	N/A
Greece	Cosmote	YES	N/A	YES	N/A	YES	YES
Greece	Vodafone	YES	YES	YES	YES	YES	N/A
Greece	Wind	N/A	N/A	N/A	N/A	N/A	N/A
Greece	Wind	YES	YES	YES	YES	YES	YES
Greenland	TELE	YES	YES	YES	YES	YES	N/A
Grenada	Cable & Wireless	YES	YES	YES	YES	YES	N/A
Grenada	Digicel	YES	YES	YES	YES	YES	N/A
Guadeloupe	Digicel	YES	YES	YES	YES	YES	N/A
Guadeloupe	Orange	YES	YES	YES	YES	YES	N/A
Guadeloupe	Outremer Telecom	YES	YES	YES	YES	YES	N/A
Guam	Docomo Pacific	N/A	N/A	N/A	N/A	N/A	N/A
Guam	Docomo Pacific	YES	YES	YES	YES	YES	YES
Guam	GTA	YES	YES	YES	YES	YES	N/A
Guam & NMI	PTI Pacifica	YES	YES	YES	YES	YES	N/A
Guatemala	Tigo	YES	YES	YES	YES	YES	N/A
Guatemala	Claro	YES	YES	YES	YES	YES	YES
Guatemala	Claro	YES	YES	YES	YES	YES	N/A
Guernsey	Cable & Wireless	YES	YES	YES	YES	YES	N/A
Guernsey	Jersey Telecom	YES	YES	YES	YES	YES	N/A
Guinea	Intercel	YES	N/A	N/A	N/A	N/A	N/A
Guinea	Cellcom	YES	YES	YES	YES	N/A	N/A
Guinea	MTN	YES	YES	YES	YES	N/A	N/A
Guinea	Orange	YES	YES	YES	YES	YES	N/A
Guinea Bissau	Orange	YES	YES	YES	YES	YES	N/A
Guinea Bissau	MTN	YES	N/A	YES	N/A	YES	N/A
Guyana	GT&T	YES	YES	YES	YES	YES	N/A
Guyana	Digicel	YES	YES	YES	YES	YES	N/A
Haiti	Natcom	YES	YES	YES	YES	N/A	N/A
Haiti	Digicel	YES	YES	YES	YES	YES	N/A
Honduras	Tigo	YES	YES	YES	YES	YES	N/A
Honduras	Claro	N/A	N/A	N/A	N/A	N/A	N/A
Honduras	Claro	YES	YES	YES	YES	YES	N/A
Hong Kong	Hutchison	N/A	YES	N/A	YES	YES	N/A
Hong Kong	Hutchison	N/A	N/A	N/A	N/A	N/A	N/A
Hong Kong	PCCW	N/A	YES	N/A	YES	YES	N/A
Hong Kong	PCCW	N/A	N/A	N/A	N/A	N/A	N/A
Hong Kong	CSL	N/A	N/A	N/A	N/A	N/A	N/A
Hong Kong	China Mobile	YES	N/A	YES	N/A	YES	YES
Hong Kong	SmarTone	YES	YES	YES	YES	YES	YES
Hong Kong	CSL	YES	YES	YES	YES	YES	YES
Hungary	Telenor	YES	YES	YES	YES	YES	N/A
Hungary	T-Mobile	YES	YES	YES	YES	YES	YES
Hungary	Vodafone	YES	YES	YES	YES	YES	YES
Iceland	Nova	N/A	YES	N/A	YES	YES	YES
Iceland	Siminn	YES	YES	YES	YES	YES	YES
Iceland	Siminn	N/A	N/A	N/A	N/A	N/A	N/A
Iceland	Vodafone	YES	YES	YES	YES	YES	N/A
Iceland	IMC	YES	N/A	N/A	N/A	N/A	N/A
India	IDEA (Andhra Pradesh)	YES	YES	YES	YES	YES	N/A
India	Airtel (UP East)	YES	N/A	YES	N/A	YES	N/A
India	Airtel (Orissa)	YES	N/A	YES	N/A	YES	N/A
India	Airtel (Bihar)	YES	N/A	YES	N/A	YES	N/A
India	Airtel (Jammu & Kashmir)	N/A	N/A	N/A	N/A	N/A	N/A
India	Airtel (West Bengal)	YES	N/A	YES	N/A	YES	N/A
India	Airtel (Assam)	YES	N/A	YES	N/A	YES	N/A
India	Airtel (North East)	YES	N/A	YES	N/A	YES	N/A
India	Airtel (Mumbai)	YES	N/A	YES	N/A	YES	N/A
India	Airtel (Maharashtra & Goa)	YES	N/A	YES	N/A	YES	N/A
India	Airtel (Gujarat)	YES	N/A	YES	N/A	YES	N/A
India	Airtel (Tamil Nadu)	YES	N/A	YES	N/A	YES	N/A
India	Airtel (Haryana)	YES	N/A	YES	N/A	YES	N/A
India	Airtel (Uttar Pradesh West)	YES	N/A	YES	N/A	YES	N/A

[illegible]

India	Reliance JIO	N/A	N/A	N/A	N/A	YES	N/A
India	Reliance JIO	N/A	N/A	N/A	N/A	YES	N/A
India	Reliance JIO	N/A	N/A	N/A	N/A	YES	N/A
India	Reliance JIO	N/A	N/A	N/A	N/A	YES	N/A
India	Reliance JIO	N/A	N/A	N/A	N/A	YES	N/A
India	MTNL (Mumbai)	YES	YES	YES	YES	N/A	N/A
India	IDEA (Madhya Pradesh)	YES	YES	YES	YES	YES	N/A
India	Airtel (Kolkata)	YES	N/A	YES	N/A	YES	N/A
India	Airtel (Chennai)	YES	N/A	YES	N/A	YES	N/A
India	IDEA (Karnataka)	YES	N/A	YES	N/A	YES	N/A
India	IDEA (Punjab)	YES	YES	YES	YES	YES	N/A
India	BSNL (Andhra Pradesh)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Assam)	N/A	N/A	N/A	N/A	N/A	N/A
India	BSNL (Bihar)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Chennai)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Gujarat)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Haryana)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Himachal Pradesh)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Jammu & Kashmir)	N/A	N/A	N/A	N/A	N/A	N/A
India	BSNL (Karnataka)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Kerala)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Kolkata)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Madhya Pradesh)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Maharashtra & Goa)	YES	YES	YES	YES	N/A	N/A
India	BSNL (North East)	N/A	N/A	N/A	N/A	N/A	N/A
India	BSNL (Orissa)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Punjab)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Rajasthan)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Tamil Nadu)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Uttar Pradesh East)	YES	YES	YES	YES	N/A	N/A
India	BSNL (Uttar Pradesh West)	YES	YES	YES	YES	N/A	N/A
India	BSNL (West Bengal)	YES	YES	YES	YES	N/A	N/A
Indonesia	Hutchison	YES	YES	YES	YES	YES	YES
Indonesia	XL Axiata	YES	YES	YES	YES	YES	N/A
Indonesia	Indosat	N/A	N/A	N/A	N/A	N/A	N/A
Indonesia	XL Axiata	N/A	N/A	N/A	N/A	YES	N/A
Indonesia	Smartfren	N/A	N/A	N/A	N/A	YES	N/A
Indonesia	Indosat	YES	YES	YES	YES	YES	YES
Indonesia	Smartfren	N/A	N/A	N/A	N/A	N/A	N/A
Indonesia	Telkomsel	YES	YES	YES	YES	YES	YES
International Aerospace	OnAir	YES	N/A	Suspended	N/A	N/A	N/A
International Aerospace	Aeromobile	YES	N/A	Suspended	N/A	N/A	N/A
International Waters	AT&T Maritime	YES	N/A	Suspended	N/A	N/A	N/A
International Waters	Vodafone	YES	N/A	Suspended	N/A	N/A	N/A
International Waters	MCP	YES	N/A	Suspended	N/A	N/A	N/A
Iran	MTN	Suspended	Suspended	Suspended	Suspended	N/A	N/A
Iraq	Asiacell	YES	YES	YES	YES	YES	N/A
Iraq	Zain	YES	YES	YES	YES	YES	N/A
Iraq	Korek	YES	YES	YES	YES	YES	N/A
Iraq	Zain	N/A	N/A	N/A	N/A	N/A	N/A
Ireland	Hutchison	YES	YES	YES	YES	N/A	YES
Ireland	Vodafone	YES	YES	YES	YES	YES	YES
Ireland	Hutchison	N/A	YES	N/A	YES	YES	YES
Ireland	Meteor	YES	YES	YES	YES	YES	YES
Isle of Man	Cable & Wireless	YES	YES	YES	YES	YES	N/A
Isle of Man	Manx Telecom	YES	YES	YES	YES	YES	N/A
Israel	Orange	YES	YES	YES	YES	YES	YES
Israel	Cellcom	YES	YES	YES	YES	YES	YES
Israel	Golan	N/A	N/A	N/A	N/A	N/A	N/A
Israel	Hot Mobile	N/A	YES	N/A	YES	YES	YES
Israel	Pelephone	N/A	YES	N/A	YES	YES	YES
Italy	Iliad	N/A	YES	N/A	YES	YES	N/A
Italy	Hutchison	N/A	YES	N/A	YES	N/A	N/A
Italy	Vodafone	YES	N/A	YES	N/A	YES	N/A

Italy	TIM	YES	YES	YES	YES	YES	YES
Italy	Wind	YES	YES	YES	YES	YES	N/A
ITALY	DIGI	N/A	N/A	N/A	N/A	N/A	N/A
Jamaica	Cable & Wireless	N/A	YES	N/A	YES	YES	N/A
Jamaica	Digicel	YES	YES	YES	YES	YES	N/A
Japan	Docomo	N/A	YES	N/A	YES	YES	YES
Japan	SoftBank	N/A	YES	N/A	YES	YES	N/A
Japan	KDDI	N/A	N/A	N/A	N/A	N/A	N/A
Japan	KDDI	N/A	N/A	N/A	N/A	YES	YES
Japan	KDDI	N/A	N/A	N/A	N/A	N/A	N/A
Jersey	Airtel	YES	YES	YES	YES	YES	N/A
Jersey	Cable & Wireless	YES	YES	YES	YES	YES	N/A
Jersey	Jersey Telecom	YES	YES	YES	YES	YES	N/A
Jordan	Zain	YES	YES	YES	YES	YES	N/A
Jordan	Orange	YES	YES	YES	YES	YES	N/A
Jordan	Umniah	N/A	YES	N/A	YES	YES	N/A
Kazakhstan	Tele2	YES	YES	YES	YES	YES	N/A
Kazakhstan	VimpelCom	YES	YES	YES	YES	YES	N/A
Kazakhstan	KCell	YES	YES	YES	YES	N/A	N/A
Kenya	Airtel	YES	YES	YES	YES	YES	N/A
Kenya	Safaricom	YES	YES	YES	YES	YES	N/A
Kenya	Telkom	YES	YES	YES	YES	YES	N/A
Kiribati	Vodafone	YES	YES	YES	YES	N/A	N/A
Kosovo	iPKO	YES	YES	YES	YES	YES	N/A
Kosovo	Vala	YES	YES	YES	YES	YES	N/A
Kuwait	Viva	YES	YES	YES	YES	YES	YES
Kuwait	Zain	YES	YES	YES	YES	YES	YES
Kuwait	Ooredoo	YES	YES	YES	YES	YES	YES
Kyrgyz Republic	VimpelCom	YES	YES	YES	YES	YES	N/A
Kyrgyz Republic	MegaCom	YES	YES	YES	YES	YES	N/A
Kyrgyz Republic	NUR Telecom	YES	YES	YES	YES	YES	N/A
Laos	Star Telecom	YES	YES	YES	YES	YES	N/A
Laos	Lao Telecom	YES	YES	YES	YES	YES	N/A
Laos	TPLUS	YES	YES	YES	YES	N/A	N/A
Latvia	Tele2	YES	YES	YES	YES	YES	YES
Latvia	Bite	YES	YES	YES	YES	YES	N/A
Latvia	LMT	YES	YES	YES	YES	YES	YES
Lebanon	Alfa Mobile	YES	YES	YES	YES	YES	N/A
Lebanon	Zain	YES	YES	YES	YES	YES	N/A
Lesotho	Econet	YES	YES	YES	YES	N/A	N/A
Lesotho	Vodacom	YES	YES	YES	YES	N/A	N/A
Liberia	Cellcom	YES	YES	YES	YES	N/A	N/A
Liberia	Novafone	YES	N/A	N/A	N/A	N/A	N/A
Liberia	MTN	YES	YES	YES	YES	N/A	N/A
Libya	Al Madar	YES	N/A	YES	N/A	N/A	N/A
Libya	Libyana Mobile Phone	YES	YES	YES	YES	N/A	N/A
Liechtenstein	Swisscom	N/A	YES	N/A	YES	YES	YES
Liechtenstein	Mobilkom	YES	YES	YES	YES	YES	N/A
Liechtenstein	Mobilkom	N/A	N/A	N/A	N/A	N/A	N/A
Liechtenstein	Orange	YES	YES	YES	YES	YES	N/A
Lithuania	Tele2	YES	YES	YES	YES	YES	N/A
Lithuania	Bite	YES	YES	YES	YES	YES	N/A
Lithuania	Omnitel	YES	YES	YES	YES	YES	N/A
Luxembourg	POST	YES	YES	YES	YES	YES	YES
Luxembourg	TANGO	YES	YES	YES	YES	YES	YES
Luxembourg	Orange	YES	YES	YES	YES	YES	YES
Luxembourg	MTX	N/A	N/A	N/A	N/A	N/A	N/A
Luxembourg	MTX	N/A	N/A	N/A	N/A	N/A	N/A
Macau	CTM	YES	N/A	YES	N/A	YES	N/A
Macau	CTM	N/A	YES	N/A	YES	N/A	N/A
Macau	Hutchison	YES	N/A	YES	N/A	YES	N/A
Macau	Hutchison	N/A	YES	N/A	YES	N/A	N/A
Macau	Smartone	YES	YES	YES	YES	YES	N/A
Macedonia	T-Mobile	YES	YES	YES	YES	YES	N/A

Macedonia	AI Makedonija DOOEL Skopje	YES	YES	YES	YES	YES	N/A
Madagascar	Orange	YES	YES	YES	YES	YES	N/A
Madagascar	Airtel	YES	YES	YES	YES	YES	N/A
Madagascar	Telma	YES	YES	YES	YES	YES	N/A
Malawi	TNM	YES	YES	YES	YES	N/A	N/A
Malawi	Airtel	YES	YES	YES	YES	YES	N/A
Malaysia	Maxis	YES	N/A	YES	N/A	YES	N/A
Malaysia	Celcom	YES	N/A	YES	N/A	YES	N/A
Malaysia	U Mobile	N/A	N/A	N/A	N/A	YES	N/A
Malaysia	Celcom	N/A	N/A	N/A	N/A	N/A	N/A
Malaysia	DiGi	YES	N/A	YES	N/A	YES	N/A
Malaysia	Webe	N/A	N/A	N/A	N/A	N/A	N/A
Maldives	Dhiraagu	YES	YES	YES	YES	N/A	N/A
Maldives	Ooredoo	YES	YES	YES	YES	YES	N/A
Mali	Malitel	YES	YES	YES	YES	N/A	N/A
Mali	Orange	YES	YES	YES	YES	YES	N/A
Malta	Vodafone (M2M)	N/A	N/A	N/A	N/A	N/A	N/A
Malta	Go Mobile	YES	YES	YES	YES	YES	YES
Malta	Melita	N/A	YES	N/A	YES	YES	YES
Malta	Vodafone	YES	YES	YES	YES	YES	YES
Marie-Galante	Digicel	YES	YES	YES	YES	YES	N/A
Martinique	Digicel	YES	YES	YES	YES	YES	N/A
Martinique	Orange	YES	YES	YES	YES	YES	N/A
Martinique	Outremer Telecom	YES	YES	YES	YES	YES	N/A
Mauritania	Chinguitel	YES	YES	YES	YES	N/A	N/A
Mauritania	Mauritel	YES	YES	YES	YES	N/A	N/A
Mauritania	Mattel	YES	YES	YES	YES	N/A	N/A
Mauritius	Mauritius Telecom	YES	YES	YES	YES	YES	N/A
Mauritius	Emtel	YES	YES	YES	YES	YES	N/A
Mauritius	MTML	YES	YES	YES	YES	YES	N/A
Mayotte	SFR	YES	YES	YES	YES	YES	N/A
Mayotte	Outremer Telecom	YES	YES	YES	YES	N/A	N/A
Mexico	AT&T	N/A	N/A	N/A	N/A	N/A	N/A
Mexico	ALTAN	N/A	N/A	N/A	N/A	N/A	N/A
Mexico	AT&T	N/A	N/A	N/A	N/A	N/A	N/A
Mexico	AT&T	N/A	YES	N/A	YES	YES	N/A
Mexico	Telefonica	YES	YES	YES	YES	YES	N/A
Mexico	Nextel	N/A	YES	N/A	YES	N/A	N/A
Mexico	Telcel	YES	YES	YES	YES	YES	N/A
Micronesia	FSMTC	YES	N/A	YES	N/A	N/A	N/A
Moldova	Moldcell	YES	YES	YES	YES	YES	N/A
Moldova	Moldtelecom	YES	YES	YES	YES	YES	N/A
Moldova	Orange	YES	YES	YES	YES	YES	N/A
Monaco	Monaco Telecom	YES	YES	YES	YES	YES	YES
Mongolia	Mobicom	YES	YES	YES	YES	YES	N/A
Mongolia	Unitel	YES	YES	YES	YES	YES	N/A
Mongolia	Skytel	N/A	YES	N/A	YES	YES	N/A
Montenegro	Mtel	YES	YES	YES	YES	YES	N/A
Montenegro	Telenor	YES	YES	YES	YES	YES	N/A
Montenegro	T-Mobile	YES	YES	YES	YES	YES	N/A
Montserrat	Digicel	YES	YES	YES	YES	YES	N/A
Montserrat	Cable & Wireless	YES	YES	YES	YES	YES	N/A
Morocco	IAM	YES	YES	YES	YES	YES	N/A
Morocco	Wana	YES	YES	YES	YES	YES	N/A
Morocco	MediTel	YES	YES	YES	YES	YES	N/A
Mozambique	Tmcel	YES	YES	YES	YES	N/A	N/A
Mozambique	Vodacom	N/A	YES	N/A	YES	YES	N/A
Mozambique	Movitel	YES	YES	YES	YES	YES	N/A
Myanmar	Ooredoo	N/A	YES	N/A	YES	YES	N/A
Myanmar	MPT	YES	YES	YES	YES	YES	N/A
Myanmar	Telenor	YES	YES	YES	YES	YES	N/A
Myanmar	Viettel	YES	YES	YES	YES	YES	N/A
Namibia	MTC	YES	YES	YES	YES	N/A	N/A
Namibia	TN Mobile	YES	YES	YES	YES	N/A	N/A

Nauru	Digicel	YES	N/A	YES	N/A	YES	N/A
Nepal	Ncell	YES	YES	YES	YES	YES	N/A
Nepal	NTC	YES	YES	YES	YES	YES	N/A
Netherlands	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
Netherlands	Vodafone	YES	N/A	YES	N/A	YES	N/A
Netherlands	T-Mobile	N/A	YES	N/A	YES	YES	YES
Netherlands	KPN	YES	N/A	YES	N/A	YES	YES
Netherlands	Tele2	N/A	N/A	N/A	N/A	N/A	N/A
Netherlands	Telfort	N/A	N/A	N/A	N/A	N/A	N/A
Netherlands Antilles	Digicel	YES	YES	YES	YES	YES	N/A
Netherlands Antilles	Telcell	YES	YES	YES	YES	YES	N/A
Netherlands Antilles	SETEL	YES	YES	YES	YES	YES	N/A
New Caledonia	OPT	YES	YES	YES	YES	N/A	N/A
New Zealand	Vodafone	YES	YES	YES	YES	YES	YES
New Zealand	Two Degrees	YES	YES	YES	YES	YES	N/A
New Zealand	Telecom NZ	N/A	YES	N/A	YES	YES	N/A
Nicaragua	Claro	YES	YES	YES	YES	YES	N/A
Nicaragua	Tigo	YES	YES	YES	YES	YES	N/A
Nicaragua	Claro	N/A	N/A	N/A	N/A	N/A	N/A
Niger	Airtel	YES	YES	YES	YES	YES	N/A
Niger	Orange	N/A	YES	N/A	YES	N/A	N/A
Niger	MOOV Africa	YES	YES	YES	YES	N/A	N/A
Nigeria	9Mobile	YES	YES	YES	YES	YES	N/A
Nigeria	Airtel	YES	YES	YES	YES	YES	N/A
Nigeria	Glo	YES	YES	YES	YES	YES	N/A
Nigeria	MTN	YES	YES	YES	YES	YES	N/A
Nigeria	Ntel	N/A	N/A	N/A	N/A	N/A	N/A
Norfolk Island	Norfolk Telecom	YES	N/A	N/A	N/A	N/A	N/A
northern Mariana Island	Docomo Pacific	YES	YES	YES	YES	YES	YES
northern Mariana Island	PTI Pacifica	YES	YES	YES	YES	YES	N/A
Norway	Ice	N/A	N/A	N/A	N/A	N/A	N/A
Norway	TeliaSonera	YES	N/A	YES	N/A	YES	YES
Norway	Tele2	YES	YES	YES	YES	N/A	N/A
Norway	Telenor	YES	N/A	YES	N/A	YES	YES
Oman	Oman Mobile	YES	YES	YES	YES	YES	YES
Oman	Ooredoo	YES	YES	YES	YES	YES	YES
Oman	Vodafone	N/A	N/A	N/A	N/A	N/A	N/A
Pakistan	Mobilink	YES	YES	YES	YES	YES	N/A
Pakistan	CMPak Limited	YES	YES	YES	YES	YES	N/A
Pakistan	Telenor	YES	YES	YES	YES	YES	N/A
Pakistan	Ufone	YES	YES	YES	YES	N/A	N/A
Pakistan	Warid	YES	N/A	YES	N/A	N/A	N/A
Panama	Claro	YES	YES	YES	YES	YES	N/A
Panama	Cable & Wireless	YES	YES	YES	YES	YES	N/A
Panama	Digicel	N/A	YES	N/A	YES	YES	N/A
Panama	Tigo	YES	YES	YES	YES	YES	N/A
Papua New Guinea	Digicel	YES	YES	YES	YES	YES	N/A
Papua New Guinea	Bemobile	YES	YES	YES	YES	N/A	N/A
Papua New Guinea	Digitec	YES	YES	YES	YES	YES	N/A
Paraguay	Claro	YES	YES	YES	YES	YES	N/A
Paraguay	Nucleo	YES	YES	YES	YES	N/A	N/A
Paraguay	Tigo	YES	YES	YES	YES	YES	N/A
Paraguay	Hola	YES	YES	YES	YES	N/A	N/A
Peru	Telefonica	YES	YES	YES	YES	YES	N/A
Peru	Entel	N/A	YES	N/A	YES	YES	YES
Peru	Claro	YES	YES	YES	YES	YES	N/A
Peru	Viettel	YES	YES	YES	YES	YES	N/A
Philippines	Globe	YES	YES	YES	YES	YES	YES
Philippines	Smart	YES	YES	YES	YES	YES	YES
Poland	T-Mobile	YES	YES	YES	YES	YES	N/A
Poland	Orange	YES	YES	YES	YES	YES	YES
Poland	Polkomtel	YES	YES	YES	YES	YES	YES
Poland	P4	YES	YES	YES	YES	YES	YES
Portugal	Optimus	YES	YES	YES	YES	YES	YES

Portugal	Vodafone	YES	YES	YES	YES	YES	YES
Portugal	TMN	YES	YES	YES	YES	YES	N/A
Puerto Rico	Claro	N/A	YES	N/A	YES	YES	N/A
Puerto Rico	AT&T	N/A	N/A	N/A	N/A	YES	YES
Puerto Rico	T-Mobile	YES	N/A	YES	N/A	YES	N/A
Qatar	Vodafone	YES	YES	YES	YES	YES	YES
Qatar	QTel	YES	YES	YES	YES	YES	YES
Reunion	SFR	YES	YES	YES	YES	N/A	N/A
Reunion	Orange	YES	YES	YES	YES	YES	N/A
Reunion	Outremer Telecom	YES	YES	YES	YES	N/A	N/A
Romania	RCS & RDS	N/A	YES	N/A	YES	YES	YES
Romania	Cosmote	N/A	YES	N/A	YES	YES	N/A
Romania	Cosmote	YES	N/A	YES	N/A	N/A	N/A
Romania	Vodafone	YES	YES	YES	YES	YES	N/A
Romania	Orange	YES	YES	YES	YES	YES	YES
Russia	MTS	YES	YES	YES	YES	YES	N/A
Russia	VimpelCom	YES	YES	YES	YES	YES	N/A
Russia	MOTIV	YES	N/A	YES	N/A	YES	N/A
Russia	Megafon	YES	YES	YES	YES	YES	YES
Russia	Tele2	YES	YES	YES	YES	YES	N/A
Rwanda	Airtel	YES	YES	YES	YES	YES	N/A
Rwanda	MTN	YES	YES	YES	YES	YES	N/A
Rwanda	Airtel	YES	YES	YES	YES	YES	N/A
Saba	Telcell	YES	YES	YES	YES	YES	N/A
Saba	SETEL	YES	YES	YES	YES	YES	N/A
Saint Pierre & Miquelon	SPM Telecom	YES	N/A	N/A	N/A	N/A	N/A
Samoa	Digicel	YES	YES	YES	YES	YES	N/A
Samoa	Vodafone	YES	YES	YES	YES	YES	N/A
San Marino	Hutchison	N/A	YES	N/A	YES	N/A	N/A
San Marino	Vodafone	YES	YES	YES	YES	YES	N/A
San Marino	TIM	YES	YES	YES	YES	YES	YES
San Marino	Wind	YES	YES	YES	YES	YES	N/A
Sao Tome & Principe	CST	YES	YES	YES	YES	N/A	N/A
Saudi Arabia	Saudi Telecom	YES	YES	YES	YES	YES	YES
Saudi Arabia	Mobily	YES	YES	YES	YES	N/A	YES
Saudi Arabia	Mobily	N/A	N/A	N/A	N/A	N/A	N/A
Saudi Arabia	Saudi Telecom	N/A	N/A	N/A	N/A	N/A	N/A
Saudi Arabia	Zain	YES	YES	YES	YES	YES	YES
Saudi Arabia	Zain	N/A	N/A	N/A	N/A	N/A	N/A
Senegal	Orange	YES	YES	YES	YES	YES	N/A
Senegal	Expresso	YES	YES	YES	YES	N/A	N/A
Senegal	Tigo	YES	YES	YES	YES	YES	N/A
Serbia	A1 Srbija	YES	YES	YES	YES	YES	N/A
Serbia	Telenor	YES	YES	YES	YES	YES	N/A
Serbia	Telekom Srbija	YES	YES	YES	YES	YES	N/A
Seychelles	Airtel	YES	YES	YES	YES	YES	N/A
Seychelles	Cable & Wireless	YES	YES	YES	YES	N/A	N/A
Sierra Leone	Africell	YES	YES	YES	YES	YES	N/A
Sierra Leone	Airtel	YES	YES	YES	YES	YES	N/A
Singapore	M1	YES	YES	YES	YES	YES	N/A
Singapore	SingTel	N/A	N/A	N/A	N/A	N/A	N/A
Singapore	Starhub	YES	YES	YES	YES	YES	YES
Singapore	SingTel	YES	YES	YES	YES	YES	YES
Slovakia	T-Mobile	YES	YES	YES	YES	YES	YES
Slovakia	Orange	YES	YES	YES	YES	YES	YES
Slovakia	Telefonica	YES	YES	YES	YES	YES	YES
Slovenia	Mobitel	YES	N/A	YES	N/A	YES	YES
Slovenia	Si Mobil	YES	YES	YES	YES	YES	N/A
Slovenia	Tusmobil	YES	YES	YES	YES	YES	YES
Solomon Islands	Bmobile-Vodafone	YES	YES	YES	YES	N/A	N/A
Solomon Islands	Solomon Telekom	YES	YES	YES	YES	N/A	N/A
Somalia	Telesom (Somaliland)	YES	N/A	N/A	N/A	N/A	N/A
Somalia	Gons (Somaliland & Puntland)	YES	N/A	N/A	N/A	N/A	N/A
South Africa	Cell C	YES	YES	YES	YES	YES	N/A

South Africa	MTN	YES	YES	YES	YES	YES	N/A
South Africa	Telkom	YES	YES	YES	YES	N/A	N/A
South Africa	Vodacom	YES	YES	YES	YES	YES	N/A
South Korea	KT	N/A	YES	N/A	YES	YES	YES
South Korea	LG Plus	N/A	N/A	N/A	N/A	YES	YES
South Korea	SK Telecom	N/A	YES	N/A	YES	YES	YES
South Sudan	MTN	YES	YES	YES	YES	N/A	N/A
South Sudan	Vivacell	YES	N/A	N/A	N/A	N/A	N/A
South Sudan	Zain	YES	YES	YES	YES	N/A	N/A
Spain	Vodafone	YES	YES	YES	YES	YES	N/A
Spain	Vodafone	N/A	N/A	N/A	N/A	N/A	N/A
Spain	Orange	YES	YES	YES	YES	YES	YES
Spain	Telefonica	N/A	N/A	N/A	N/A	N/A	N/A
Spain	Telefonica	YES	YES	YES	YES	YES	YES
Spain	Vodafone	N/A	N/A	N/A	N/A	N/A	N/A
Spain	Xfera	N/A	YES	N/A	YES	YES	N/A
Spain	DIGI	N/A	N/A	N/A	N/A	N/A	N/A
Sri Lanka	Mobitel	YES	YES	YES	YES	YES	N/A
Sri Lanka	Airtel	YES	YES	YES	YES	N/A	N/A
Sri Lanka	Hutchison	YES	YES	YES	YES	N/A	N/A
Sri Lanka	Dialog	YES	YES	YES	YES	YES	N/A
Sri Lanka	Hutchison	YES	YES	YES	YES	YES	N/A
St. Barthelemy	SETEL	YES	YES	YES	YES	YES	N/A
St. Barthelemy	Digicel	YES	YES	YES	YES	YES	N/A
St. Barthelemy	Orange	YES	YES	YES	YES	YES	N/A
St. Barthelemy	Dauphin	YES	YES	YES	YES	YES	N/A
St. Eustatius	Telcell	YES	YES	YES	YES	YES	N/A
St. Eustatius	SETEL	YES	YES	YES	YES	YES	N/A
St. Kitts & Nevis	SETEL	YES	YES	YES	YES	YES	N/A
St. Kitts & Nevis	Digicel	YES	YES	YES	YES	YES	N/A
St. Kitts & Nevis	Cable & Wireless	YES	YES	YES	YES	YES	N/A
St. Lucia	Digicel	YES	YES	YES	YES	YES	N/A
St. Lucia	Cable & Wireless	YES	YES	YES	YES	YES	N/A
St. Maarten	Telcell	YES	YES	YES	YES	YES	N/A
St. Maarten	SETEL	YES	YES	YES	YES	YES	N/A
St. Martin	SETEL	YES	YES	YES	YES	YES	N/A
St. Martin	Digicel	YES	YES	YES	YES	YES	N/A
St. Martin	Orange	YES	YES	YES	YES	YES	N/A
St. Martin	Dauphin	YES	YES	YES	YES	YES	N/A
Vincent & the Grenadi	Digicel	YES	YES	YES	YES	YES	N/A
Vincent & the Grenadi	Cable & Wireless	YES	YES	YES	YES	YES	N/A
Sudan	MTN	YES	YES	YES	YES	YES	N/A
Sudan	Sudatel	YES	YES	YES	YES	N/A	N/A
Sudan	Zain	YES	YES	YES	YES	YES	N/A
Suriname	Digicel	YES	YES	YES	YES	YES	N/A
Suriname	Telesur	YES	YES	YES	YES	N/A	N/A
Swaziland	Swazi Mobile	YES	YES	YES	YES	N/A	N/A
Swaziland	MTN	YES	YES	YES	YES	N/A	N/A
Sweden	Telenor	N/A	N/A	N/A	N/A	N/A	N/A
Sweden	Telenor	YES	YES	YES	YES	YES	N/A
Sweden	Hutchison	N/A	YES	N/A	YES	YES	YES
Sweden	Tele2	YES	YES	YES	YES	YES	YES
Sweden	Tele2	N/A	N/A	N/A	N/A	N/A	N/A
Sweden	TDC	N/A	N/A	N/A	N/A	N/A	N/A
Sweden	TeliaSonera	YES	YES	YES	YES	YES	YES
Switzerland	Swisscom	N/A	YES	N/A	YES	YES	YES
Switzerland	Sunrise	YES	YES	YES	YES	YES	YES
Switzerland	Salt Mobile	YES	YES	YES	YES	YES	YES
Syria	MTN	Suspended	Suspended	Suspended	Suspended	N/A	N/A
Taiwan	Far EasTone	N/A	YES	N/A	YES	YES	YES
Taiwan	APT	YES	YES	YES	YES	YES	N/A
Taiwan	Chunghwa	YES	YES	YES	YES	YES	YES
Taiwan	Taiwan Mobile	YES	YES	YES	YES	YES	YES
Taiwan	Tstar	N/A	YES	N/A	YES	YES	YES
Tajikistan	Tcell (North)	YES	YES	YES	YES	N/A	N/A
Tajikistan	VimpelCom	YES	YES	YES	YES	N/A	N/A

Tajikistan	Babilon Mobile	YES	YES	YES	YES	YES	N/A
Tajikistan	Tcell (South)	YES	YES	YES	YES	YES	N/A
Tanzania	Airtel	YES	YES	YES	YES	YES	N/A
Tanzania	Tigo	YES	YES	YES	YES	YES	N/A
Tanzania	Vodacom	YES	YES	YES	YES	YES	N/A
Tanzania	Viettel	YES	YES	YES	YES	N/A	N/A
Tanzania	Smart	YES	YES	YES	YES	N/A	N/A
Tanzania	Zantel	YES	YES	YES	YES	N/A	N/A
Thailand	Real Future	N/A	YES	N/A	YES	YES	YES
Thailand	Real Future	YES	YES	YES	YES	N/A	N/A
Thailand	Real Future	N/A	YES	N/A	YES	N/A	N/A
Thailand	DTN	N/A	YES	N/A	YES	YES	N/A
Thailand	AWN	N/A	YES	N/A	YES	YES	YES
Thailand	DTAC	YES	YES	YES	YES	N/A	N/A
The Saints & Desirade	Digicel	YES	YES	YES	YES	YES	N/A
Togo	Togocel	YES	YES	YES	YES	YES	N/A
Togo	Moov Africa	YES	YES	YES	YES	YES	N/A
Tonga	TCC	YES	YES	YES	YES	YES	N/A
Tonga	Digicel	YES	YES	YES	YES	N/A	N/A
Trinidad & Tobago	TSTT	YES	YES	YES	YES	N/A	N/A
Trinidad & Tobago	Digicel	YES	YES	YES	YES	YES	N/A
Tunisia	Tunisie Telecom	N/A	N/A	N/A	N/A	N/A	N/A
Tunisia	Orange	YES	YES	YES	YES	YES	N/A
Tunisia	Ooredoo	YES	YES	YES	YES	YES	N/A
Tunisia	Tunisie Telecom	YES	YES	YES	YES	YES	N/A
Tunisia	Tunisie Telecom	N/A	N/A	N/A	N/A	N/A	N/A
Turkey	Avea	N/A	N/A	N/A	N/A	N/A	N/A
Turkey	Avea	YES	YES	YES	YES	YES	YES
Turkey	Turkcell	YES	YES	YES	YES	YES	YES
Turkey	Vodafone	YES	YES	YES	YES	YES	YES
Turkmenistan	Altyn Asyr	YES	YES	YES	YES	N/A	N/A
Turkmenistan	MTS	YES	YES	N/A	N/A	N/A	N/A
Turks & Caicos	Digicel	YES	YES	YES	YES	YES	N/A
Turks & Caicos	Cable & Wireless	YES	YES	YES	YES	YES	N/A
Turks & Caicos	Digicel	YES	YES	YES	YES	N/A	N/A
Uganda	Airtel	YES	YES	YES	YES	YES	N/A
Uganda	MTN	YES	YES	YES	YES	N/A	N/A
Uganda	Smart	YES	YES	YES	YES	N/A	N/A
Uganda	Uganda Telecom	YES	YES	YES	YES	N/A	N/A
Uganda	Airtel	YES	YES	YES	YES	N/A	N/A
Ukraine	Astelit	YES	YES	YES	YES	YES	N/A
Ukraine	Kyivstar	YES	YES	YES	YES	YES	N/A
Ukraine	Kyivstar	N/A	N/A	N/A	N/A	N/A	N/A
Ukraine	MTS	YES	YES	YES	YES	YES	N/A
Ukraine	TriMob	N/A	YES	N/A	YES	N/A	N/A
United Arab Emirates	Du	YES	YES	YES	YES	YES	YES
United Arab Emirates	Etisalat	YES	YES	YES	YES	YES	YES
United Kingdom	Telefonica	YES	YES	YES	YES	YES	YES
United Kingdom	Hutchison	N/A	YES	N/A	YES	YES	N/A
United Kingdom	Sky	N/A	N/A	N/A	N/A	N/A	N/A
United Kingdom	Everything Everywhere	YES	YES	YES	YES	YES	YES
United Kingdom	Everything Everywhere	YES	YES	YES	YES	N/A	N/A
United Kingdom	Vodafone	YES	YES	YES	YES	YES	N/A
Uruguay	Claro	YES	YES	YES	YES	YES	N/A
Uruguay	Antel	YES	YES	YES	YES	YES	N/A
Uruguay	Telefonica	YES	YES	YES	YES	YES	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	NewCore Wireless	N/A	N/A	N/A	N/A	N/A	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	Carolina West	N/A	N/A	N/A	N/A	YES	N/A
USA	Airadigm	YES	N/A	YES	N/A	N/A	N/A

USA	AT&T	N/A	N/A	N/A	N/A	N/A	N/A
USA	AT&T	N/A	N/A	N/A	N/A	N/A	N/A
USA	Bug Tusssel	YES	YES	YES	YES	N/A	N/A
USA	Cincinnati Bell	YES	YES	YES	YES	N/A	N/A
USA	AT&T	N/A	N/A	N/A	N/A	N/A	N/A
USA	Commnet	YES	YES	YES	YES	YES	N/A
USA	AT&T	N/A	N/A	N/A	N/A	YES	YES
USA	MTPCS (Montana)	YES	N/A	YES	N/A	N/A	N/A
USA	Viaero	YES	YES	YES	YES	YES	N/A
USA	Commnet	YES	YES	N/A	YES	YES	N/A
USA	Limitless Mobile	YES	YES	YES	YES	N/A	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	AT&T	N/A	N/A	N/A	N/A	N/A	N/A
USA	GCI	YES	YES	YES	YES	YES	N/A
USA	Indigo	YES	YES	YES	YES	YES	N/A
USA	Iowa Wireless	YES	YES	YES	YES	N/A	N/A
USA	Choice Wireless	YES	N/A	YES	N/A	N/A	N/A
USA	AT&T	N/A	N/A	N/A	N/A	N/A	N/A
USA	Northeast Wireless Networks	N/A	YES	N/A	YES	N/A	N/A
USA	Sagebrush	N/A	YES	N/A	YES	YES	N/A
USA	NewCore Wireless	N/A	YES	N/A	YES	N/A	N/A
USA	AT&T	N/A	N/A	N/A	N/A	N/A	N/A
USA	Pine Cellular	YES	YES	YES	YES	YES	N/A
USA	Smith Barney, USA Cellular One AZ	YES	YES	YES	YES	YES	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	Telna	YES	N/A	YES	N/A	N/A	N/A
USA	Union Telephone	YES	YES	YES	YES	YES	N/A
USA	CoverageCo	YES	N/A	YES	N/A	N/A	N/A
USA	Verizon (M2M)	N/A	N/A	N/A	N/A	N/A	N/A
USA	Verizon	N/A	N/A	N/A	N/A	YES	YES
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	T-Mobile	N/A	N/A	N/A	N/A	N/A	N/A
USA	T-Mobile	YES	N/A	YES	N/A	YES	YES
USA	West Central	YES	YES	YES	YES	YES	N/A
USA	Altice	N/A	N/A	N/A	N/A	N/A	N/A
USA	US Cellular	N/A	N/A	N/A	N/A	YES	N/A
USA	Nex-Tech Wireless	N/A	N/A	N/A	N/A	N/A	N/A
Uzbekistan	Ucell	YES	YES	YES	YES	YES	N/A
Uzbekistan	VimpelCom	YES	YES	YES	YES	YES	N/A
Vanuatu	Telecom Vanuatu	YES	YES	YES	YES	YES	N/A
Vanuatu	Digicel	YES	YES	YES	YES	N/A	N/A
Vatican City	Hutchison	N/A	YES	N/A	YES	N/A	N/A
Vatican City	Vodafone	YES	YES	YES	YES	YES	N/A
Vatican City	TIM	YES	YES	YES	YES	YES	YES
Vatican City	Wind	YES	YES	YES	YES	YES	N/A
Venezuela	Digitel	YES	YES	YES	YES	YES	N/A
Venezuela	Telefonica	YES	YES	YES	YES	N/A	N/A
Venezuela	Movilnet	Suspended	Suspended	Suspended	Suspended	N/A	N/A
Vietnam	GTel Mobile	YES	N/A	YES	N/A	N/A	N/A
Vietnam	Mobifone	YES	YES	YES	YES	YES	N/A
Vietnam	Vinaphone	YES	YES	YES	YES	YES	YES
Vietnam	Vietnamobile	YES	YES	YES	YES	YES	N/A
Vietnam	Viettel	YES	N/A	YES	N/A	YES	YES
Virgin Islands (US)	AT&T	N/A	N/A	N/A	N/A	YES	YES
Virgin Islands (US)	Innovative Wireless	YES	YES	YES	YES	N/A	N/A
Virgin Islands (US)	T-Mobile	YES	N/A	YES	N/A	YES	N/A
WEST BANK/GAZA STRIP	Jawwal	YES	N/A	YES	N/A	N/A	N/A

WEST BANK/GAZA STRI	Ooredoo	YES	YES	YES	YES	N/A	N/A
Western Sahara	IAM	YES	YES	YES	YES	YES	N/A
Western Sahara	Wana	YES	YES	YES	YES	YES	N/A
Yemen	Sabafon	YES	N/A	YES	N/A	N/A	N/A
Yemen	MTN	YES	N/A	YES	N/A	N/A	N/A
Yemen	Hit's/ Y Telecom	YES	N/A	N/A	N/A	N/A	N/A
Zambia	MTN	YES	YES	YES	YES	N/A	N/A
Zambia	Airtel	YES	YES	YES	YES	YES	N/A
Zanzibar	Airtel	YES	YES	YES	YES	YES	N/A
Zanzibar	Tigo	YES	YES	YES	YES	YES	N/A
Zanzibar	Vodacom	YES	YES	YES	YES	YES	N/A
Zanzibar	Zantel	YES	YES	YES	YES	N/A	N/A
Zimbabwe	Econet Wireless	YES	YES	YES	YES	N/A	N/A
Zimbabwe	Telecel	YES	YES	YES	YES	YES	N/A