

## ELENCO SERVIZI DISPONIBILI NEI PAESI ROAMING

Country	Name network	Voice & SMS	Data Services				
			Data (GPRS)	Data (UMTS)	Data (HSDPA)	LTE out-bound Data	LTE-M outbound Data
Abchazia (Georgia)	MegaFon, Open Joint Stock Company	x					
Afghanistan	Afghan Wireless Communication Company	x	x	x		x	
Afghanistan	Etisalat Afghanistan	x	x	x		x	
Afghanistan	Telecom Development Company Afghanistan Ltd.	x	x	x		x	
Aland Islands (Finland)	Alands Telekommunikation	x	x	x		x	
Aland Islands (Finland)	TeliaSonera Finland Oyj	x	x	x	x		
Albania	ALBtelecom sh.a	x	x	x		x	
Albania	Vodafone Albania	x	x	x		x	
Alderney (Guernsey)	Sure Guernsey Limited	x	x	x	x	x	
Algeria	ATM MOBILIS	x	x	x		x	
Algeria	Optimum Telecom Algerie	x	x	x		x	
Algeria	Wataniya Telecom Algerie	x	x	x		x	
American Samoa	American Samoa License, Inc.	x	x	x		x	
Andorra	Andorra Telecom	x	x	x	x	x	
Angola	Movicel Telecomunicações Angola	x	x	x			
Angola	UNITEL S.a.r.l.	x	x	x	x		
Anguilla	Cable & Wireless (West Indies) Ltd. Anguilla	x	x	x		x	
Anguilla	Digicel (Jamaica) Limited	x	x	x		x	
Antarctica	AMX Argentina S.A.	x				x	
Antigua and Barbuda	Cable & Wireless Caribbean Cellular (Antigua) Limited	x	x	x		x	
Antigua and Barbuda	Digicel (Jamaica) Limited	x	x	x		x	
ARE_ABU	Emirates Integrated Telecommunications Company PJSC	x	x	x	x	x	
ARE_ABU	Emirates Telecommunications Group Company PJSC (Etisalat)	x	x	x	x	x	
ARE_DUB	Emirates Integrated Telecommunications Company PJSC	x	x	x	x	x	
ARE_DUB	Emirates Telecommunications Group Company PJSC (Etisalat)	x	x	x	x	x	
ARE_SHA	Emirates Integrated Telecommunications Company PJSC	x	x	x	x	x	
ARE_SHA	Emirates Telecommunications Group Company PJSC (Etisalat)	x	x	x	x	x	
Argentina	AMX Argentina S.A.	x	x	x	x	x	
Argentina	Telecom Personal SA	x	x	x		x	
Argentina	Telefonica Moviles Argentina S.A	x	x	x	x	x	
Armenia	MTS Armenia	x	x	x		x	
Armenia	Telecom Armenia CJSC	x	x	x	x	x	
Armenia	UCOM CJSC	x	x	x		x	

Aruba	Digicel (Jamaica) Limited	x	x	x			
Aruba	SETAR (Servicio di Telecomunicacion di Aruba)	x	x	x	x	x	
Australia	Singtel Optus Limited	x		x		x	
Australia	Telstra Corporation Limited	x		x	x		
Australia	TPG Telecom Ltd.	x		x	x	x	
Austria	A1 Telekom Austria AG	x	x	x	x	x	
Austria	Hutchison Drei Austria GmbH	x	x	x	x	x	
Austria	T-Mobile Austria GmbH	x	x	x	x	x	x
Azerbaijan	Azercell Telecom BM	x	x	x		x	
Azerbaijan	Bakcell Ltd	x	x	x		x	
Azores (Portugal)	MEO - Serviços de Comunicações e Multimédia SA	x	x	x	x	x	
Azores (Portugal)	Vodafone - Portugal	x	x		x	x	
Bahamas	Be Aliv Ltd.	x	x	x		x	
Bahamas	The Bahamas Telecommunications Company Ltd	x	x	x		x	
Bahrain	Bahrain Telecommunications Company	x		x		x	
Bahrain	Zain Bahrain B.S.C	x	x	x	x	x	
Bangladesh	Axiata (Bangladesh) Limited.	x	x	x		x	
Bangladesh	BANGLALINK DIGITAL COMMUNICATIONS LTD.	x	x	x		x	
Bangladesh	Grameenphone Ltd	x	x	x		x	
Barbados	Cable & Wireless Barbados Ltd.	x	x	x		x	
Barbados	Digicel (Jamaica) Limited	x	x	x		x	
Belarus	BeST - GSM 900/1800 - BELARUS	x	x	x	x		
Belarus	JLLC Mobile TeleSystems	x	x	x		x	
Belarus	Unitary Enterprise A1	x	x	x	x		
Belgium	Orange Belgium SA/NV	x	x	x	x	x	x
Belgium	Proximus SA	x	x	x	x	x	x
Belgium	Telenet Group bvba/sprl	x	x	x	x	x	x
Belize	Belize Telemedia Limited	x	x				
Benin	MTN- Spacetel-Benin	x	x	x			
Benin	TELECEL BENIN - GSM 900 - BENIN	x	x	x		x	
Bermuda	Bermuda Digital Communications Limited	x	x	x		x	
Bermuda	Digicel (Jamaica) Limited	x	x	x		x	
Bhutan	Bhutan Telecom	x	x	x			
Bhutan	Tashi InfoComm Limited	x	x	x		x	
Bolivia	Nuevatel PCS De Bolivia SA	x	x	x		x	
Bolivia	TELECEL BOLIVIA - GSM 850 - BOLIVIA	x	x	x		x	
Bonaire (Dutch Antilles)	Curacao Telecom N.V.	x	x	x		x	
Bonaire (Dutch Antilles)	Setel NV	x	x	x			
Bosnia and Herzegovina	BH Telecom - Joint Stock Company - Sarajevo	x	x	x	x	x	
Bosnia and Herzegovina	MTEL (RS Telecommunications JSC Banja Luka)	x	x	x	x	x	
Bosnia and Herzegovina	Public Enterprise Croatian Telecom Ltd.	x	x	x		x	

Botswana	Botswana Telecommunications Corporation	x					
Botswana	Mascom Wireless (Pty) Limited	x	x	x			
Botswana	Orange (Botswana) Pty Limited	x	x	x		x	
Brazil	Claro	x	x	x	x	x	
Brazil	TIM Celular S.A.	x	x	x	x	x	
Brazil	TIM Celular S.A.	x	x	x	x	x	
Brazil	TIM Celular S.A.	x	x	x	x	x	
Brazil	Vivo S.A.	x	x	x		x	
Brazil	Vivo S.A.	x	x	x		x	
Brazil	Vivo S.A.	x	x	x		x	
Brazil	Vivo S.A.	x	x	x		x	
Brunei Darussalam	UNN Unified National Networks	x		x	x	x	
Bulgaria	Bulgarian Telecommunications Company AD	x	x	x		x	
Bulgaria	Mobiltel EAD	x	x	x	x	x	
Bulgaria	Yettel Bulgaria EAD	x	x	x	x	x	
Burkina Faso	Onatel	x	x	x			
Burkina Faso	Orange Burkina Faso	x	x	x		x	
Burundi	ECONET LEO S.A	x	x	x			
Cambodia	Cellcard	x	x	x	x	x	
Cambodia	SMART Axiata., Co., Ltd.	x	x			x	
Cameroon	MTN Cameroon Ltd	x	x	x			
Cameroon	Orange Cameroun S.A.	x	x	x		x	
Canada	Bell Mobility Inc.	x		x	x	x	
Canada	Rogers Communications Canada Inc.	x		x	x	x	
Canada	Saskatchewan Telecommunications	x		x		x	
Canada	TELUS Communications	x		x		x	
Canada	Videotron	x	x	x			
Canada (Alberta)	Bell Mobility Inc.	x		x	x	x	
Canada (Alberta)	Rogers Communications Canada Inc.	x		x	x	x	
Canada (British Colombia)	Bell Mobility Inc.	x		x	x	x	
Canada (British Colombia)	Rogers Communications Canada Inc.	x		x	x	x	
Canada (Manitoba)	Bell Mobility Inc.	x		x	x	x	
Canada (Manitoba)	Rogers Communications Canada Inc.	x		x	x	x	
Canada (New Brunswick)	Bell Mobility Inc.	x		x	x	x	
Canada (New Brunswick)	Rogers Communications Canada Inc.	x		x	x	x	
Canada (Newfoundland)	Bell Mobility Inc.	x		x	x	x	
Canada (Newfoundland)	Rogers Communications Canada Inc.	x		x	x	x	
Canada (Northwest Territories)	Bell Mobility Inc.	x		x	x	x	
Canada (Nova Scotia)	Bell Mobility Inc.	x		x	x	x	

Canada (Nova Scotia)	Rogers Communications Canada Inc.	x		x	x	x	
Canada (Ontario)	Bell Mobility Inc.	x		x	x	x	
Canada (Ontario)	Rogers Communications Canada Inc.	x		x	x	x	
Canada (Prince Edward Island)	Bell Mobility Inc.	x		x	x	x	
Canada (Prince Edward Island)	Rogers Communications Canada Inc.	x		x	x	x	
Canada (Quebec)	Bell Mobility Inc.	x		x	x	x	
Canada (Quebec)	Rogers Communications Canada Inc.	x		x	x	x	
Canada (Saskatchewan)	Bell Mobility Inc.	x		x	x	x	
Canada (Saskatchewan)	Rogers Communications Canada Inc.	x		x	x	x	
Canada (Yukon Territory)	Bell Mobility Inc.	x		x	x	x	
Canary Islands (Spain)	Telefonica Moviles España S.A.	x	x	x		x	
Canary Islands (Spain)	Vodafone - Spain	x	x	x	x	x	
Cape Verde	CVMovel, S.A.	x	x	x			
Cape Verde	T+ TELECOMUNICACÕES S.A.	x	x	x		x	
Cayman Islands	Cable & Wireless (Cayman Islands) Limited	x	x	x		x	
Cayman Islands	Digicel (Jamaica) Limited	x		x		x	
Central African Republic	Atlantique Telecom Centrafrique	x	x	x			
Central African Republic	Orange Centrafrique	x	x	x			
Central African Republic	TELECEL CENTRAFRIQUE	x					
Ceuta (Spain)	Telefonica Moviles España S.A.	x	x	x		x	
Ceuta (Spain)	Vodafone - Spain	x	x	x	x	x	
Chad	CelTel Tchad SA	x	x	x		x	
Chad	MILLICOM TCHAD	x	x	x		x	
Chile	CLARO CHILE SA	x	x	x		x	
Chile	ENTEL TELEFONIA MOVIL	x	x	x	x	x	
Chile	Telefonica Movil de Chile	x	x	x		x	
China	China Mobile	x	x			x	
China	China Unicom	x	x	x	x	x	
Christmas Island	Telstra Corporation Limited	x		x	x		
Christmas Island	TPG Telecom Ltd.						
Colombia	COLOMBIA MOVIL S.A.	x	x	x	x	x	
Colombia	Colombia Telecomunicaciones	x	x	x	x	x	
Colombia	Comunicacion Celular SA Comcel SA	x	x	x		x	
Comoros	Societe Nationale des Telecommunications (Comores Telecom)	x					
Congo (Brazzaville)	Bharti Airtel CelTel Congo SA	x	x	x		x	
Congo (Dem.Rep., Kinshasa)	Africell RDC sprl	x	x	x		x	
Congo (Dem.Rep., Kinshasa)	CelTel Congo	x	x	x			
Congo (Dem.Rep., Kinshasa)	Orange RDC Sarl	x	x				
Congo (Dem.Rep., Kinshasa)	Vodacom Congo (RDC) S.A.	x	x	x		x	

Cook Islands	Vodafone Cook Islands	x	x	x		x	
Corsica (France)	Bouygues Telecom	x	x	x	x	x	
Corsica (France)	Orange France	x	x	x		x	x
Corsica (France)	SFR	x	x	x	x	x	
Costa Rica	Claro CR Telecomunicaciones, S.A.	x	x	x		x	
Costa Rica	I.C.E. (Instituto Costarricense de Electricidad)	x	x	x	x	x	
Costa Rica	Telefonica de Costa Rica TC S.A.	x	x	x		x	
Croatia (Local Name: Hrvatska)	Croatian Telecom	x	x	x	x	x	
Croatia (Local Name: Hrvatska)	VIPnet d.o.o.	x	x	x	x	x	
Cuba	Empresa de Telecomunicaciones de Cuba, SA (ETECSA)	x	x	x			
Curacao (Dutch Antilles)	Curacao Telecom N.V.	x	x	x		x	
Curacao (Dutch Antilles)	Setel NV	x	x	x			
Cyprus	Cyprus Telecommunications Auth	x	x	x	x	x	
Cyprus	Primetel PLC	x	x	x		x	
Czech Republic	O2 Czech Republic a.s.	x	x		x	x	
Czech Republic	T-Mobile Czech Republic a.s.	x	x		x	x	
Czech Republic	Vodafone CZECH REPUBLIC A.S.	x	x			x	
Denmark	Nuuday (former TDC A/S)	x	x	x	x	x	x
Denmark	Telenor A/S	x	x			x	x
Desirade (French Antilles)	DIGICEL Antilles Française Guyane	x	x	x	x		
Djibouti	Djibouti Telecom SA	x	x	x			
Dominica	Cable & Wireless Dominica Ltd.	x	x	x		x	
Dominica	Digicel (Jamaica) Limited	x	x	x			
Dominican Republic	Altice Dominicana, S.A.	x	x	x		x	
Dominican Republic	Compañía Dominicana de Telefonos, C. por A.	x	x	x		x	
Dominican Republic	Trilogy Dominicana S.A.	x	x	x			
East Timor	PT Telekomunikasi Indonesia International	x	x	x			
East Timor	Timor Telecom	x	x	x			
Easter Island	ENTEL TELEFONIA MOVIL	x	x	x	x	x	
Ecuador	Conecel S.A. (Consortio Ecuatoriano de Telecomunicaciones S.A.)	x	x	x		x	
Ecuador	OTECCEL S.A.	x	x	x		x	
Egypt	Etisalat Misr	x	x	x		x	
Egypt	Orange Egypt	x	x			x	
Egypt	Vodafone Egypt Telecommunications S.A.E	x	x	x	x	x	
El Salvador	CTE Telecom Personal SA de CV	x	x	x	x		
El Salvador	DIGICEL, S.A. de C.V.	x	x	x		x	
El Salvador	Telefonica Moviles El Salvador, S.A de c.v	x	x	x		x	
El Salvador	TIGO/Telemovil EL Salvador S.A	x	x	x			

Equatorial Guinea	GREEN COM S.A.	x	x	x			
Equatorial Guinea	Orange- GETESA	x					
Estonia	Elisa Eesti AS	x	x	x	x	x	x
Estonia	Tele2 Eesti AS	x	x	x	x	x	
Estonia	Telia Eesti AS	x	x	x			
Ethiopia	Ethiopian Telecommunications Corporation	x	x	x		x	
Falkland Islands (Malvinas)	Cable and Wireless Plc	x					
Faroe Islands	Hey Faroe Islands	x	x	x		x	
Fiji	Digicel (Fiji) Limited	x	x	x		x	
Fiji	Vodafone Fiji Ltd	x	x	x	x	x	
Finland	DNA Ltd	x	x	x		x	x
Finland	Elisa Corporation	x	x		x	x	x
Finland	TeliaSonera Finland Oyj	x	x	x	x		
France	Bouygues Telecom	x	x	x	x	x	
France	Free Mobile	x	x	x		x	
France	Orange France	x	x	x		x	x
France	SFR	x	x	x	x	x	
French Guiana	DIGICEL Antilles Française Guyane	x	x	x	x	x	
French Guiana	Outremer	x	x	x			
French Polynesia	Pacific Mobile Telecom	x	x	x		x	
French Polynesia	Vini S.A.S.	x	x	x	x		
Gabon	Celtel Gabon SA	x	x	x		x	
Gabon	Moov Africa GT	x	x	x		x	
Galapagos Islands	Concel S.A. (Consortio Ecuatoriano de Telecomunicaciones S.A.)	x	x	x		x	
Gambia	Africell (Gambia) Ltd	x	x	x		x	
Gambia	Gambia Telecommunications Cellular Company Ltd (Gamcell)	x					
Gambia	QCELL Limited	x	x	x			
Gaza strip	Palestine Telecomm Co Ltd	x	x	x			
Georgia	Geocell Ltd	x	x	x		x	
Georgia	Magticom Ltd	x	x	x		x	
Georgia	Mobitel LLC	x		x		x	
Germany	Telefonica o2 Germany GmbH & Co.OHG	x	x			x	
Germany	Telekom Deutschland GmbH	x	x		x	x	x
Germany	Vodafone GmbH, Germany	x	x		x	x	x
Ghana	AirtelTigo Ghana	x	x	x			
Ghana	Glo Mobile Ghana	x	x	x			
Ghana	MTN- Scancom Ltd	x	x	x			
Ghana	Vodafone - Ghana	x	x	x		x	
Gibraltar	Gibtelecom Limited	x	x	x	x	x	
Greece	COSMOTE - Mobile Telecommunications S.A.	x	x			x	
Greece	Vodafone-Panafon	x	x	x	x	x	

Greece	Wind Hellas Telecommunications S.A.	x	x	x	x		
Greenland	TELE Greenland A/S	x	x	x		x	
Grenada	Cable & Wireless Grenada Ltd.	x	x	x			
Grenada	Digicel (Jamaica) Limited	x	x	x		x	
Guadeloupe	DIGICEL Antilles Française Guyane	x	x	x	x	x	
Guadeloupe	Outremer	x	x	x			
Guam	Docomo Pacific, Inc.	x		x	x	x	
Guam	PTI Pacifica Inc.	x	x	x		x	
Guam	Teleguam Holdings LLC	x		x		x	
Guatemala	Claro Guatamala	x	x	x	x	x	
Guatemala	COMCEL-Comunicaciones Celulares Sociedad Anonima	x	x	x		x	
Guernsey	JERSEY AIRTEL LIMITED	x	x	x	x	x	
Guernsey	Jersey Telecom	x	x	x	x	x	x
Guernsey	Sure Guernsey Limited	x	x	x	x	x	
Guinea	MTN- Areeba Guinea	x	x	x			
Guinea	Orange Guinee SA	x	x	x			
Guinea-Bissau	MTN- Spacetel Guinee-Bissau SA	x	x	x			
Guyana	Guyana Telephone & Telegraph Co.	x	x	x		x	
Guyana	U-Mobile (Cellular) Inc.	x	x	x			
Haiti	Digicel (Jamaica) Limited	x	x	x		x	
Haiti	NATCOM	x	x				
Herm (Guernsey)	Sure Guernsey Limited	x	x	x	x	x	
Honduras	Servicios de Comunicaciones de Honduras S.A. de C.V.	x	x	x	x	x	
Honduras	Telefonica Celular S.A (CELTEL)	x	x	x		x	
Hong Kong	Hutchison Telecom (HK) Ltd	x		x		x	
Hong Kong	SmarTone Mobile Communications Limited	x		x	x	x	
Hungary	Magyar Telekom Plc	x	x	x		x	
Hungary	Vodafone Hungary Ltd	x	x	x	x	x	
Hungary	Yettel Magyarorszag Zrt	x	x	x	x		
Ibiza (Spain)	Telefonica Moviles España S.A.	x	x	x		x	
Ibiza (Spain)	Vodafone - Spain	x	x	x	x	x	
Iceland	Siminn hf	x	x	x	x		
Iceland	Vodafone Iceland - GSM 900/1800 - ICELAND	x	x	x	x	x	
India	Bharti Airtel Limited	x	x			x	
India	Bharti Airtel Limited	x	x			x	
India	Bharti Airtel Limited	x	x			x	
India	Bharti Airtel Limited	x	x			x	
India	Bharti Airtel Ltd	x	x			x	
India	Vodafone Idea	x	x			x	
India	Vodafone Idea	x	x			x	
India	Vodafone India	x	x			x	
India (Andra Pradesh)	Bharti Airtel Limited	x	x			x	

India (Andra Pradesh)	Vodafone	x	x			x	
India (Andra Pradesh)	Vodafone Idea	x	x			x	
India (Bihar)	Vodafone Idea	x	x			x	
India (Bombay/Mumbai)	Bharti Airtel Limited	x	x		x	x	
India (Bombay/Mumbai)	Vodafone Idea	x	x			x	
India (Bombay/Mumbai)	Vodafone India	x	x			x	
India (Calcutta/Kolkata)	Bharti Airtel Limited	x	x			x	
India (Calcutta/Kolkata)	Vodafone Idea	x	x				
India (Calcutta/Kolkata)	Vodafone Mobile Services Limited	x	x			x	
India (Dehli)	Bharti Airtel Limited	x	x		x	x	
India (Dehli)	Vodafone Idea	x	x				
India (Dehli)	Vodafone Mobile Services Limited	x	x			x	
India (Goa)	Bharti Airtel Limited	x	x			x	
India (Goa)	Vodafone Idea	x	x			x	
India (Goa)	Vodafone Mobile Services Ltd, Maharashtra & Goa (INDBM)	x	x			x	
India (Gujarat)	Bharti Airtel Limited	x	x			x	
India (Gujarat)	Vodafone Idea	x	x			x	
India (Gujarat)	Vodafone Mobile services Ltd	x	x			x	
India (Haryana)	Bharti Airtel Limited	x	x			x	
India (Haryana)	Vodafone Idea	x	x			x	
India (Haryana)	Vodafone India	x	x			x	
India (Himachal Pradesh)	Bharti Airtel Limited	x	x			x	
India (Himachal Pradesh)	Vodafone Idea	x	x			x	
India (Karnataka)	Bharti Airtel Limited	x	x		x	x	
India (Karnataka)	Vodafone Idea	x	x			x	
India (Karnataka)	Vodafone India	x	x			x	
India (Kerala)	Bharti Airtel Limited	x	x			x	
India (Kerala)	Vodafone Idea	x	x			x	
India (Kerala)	Vodafone Mobile Services Limited	x	x			x	
India (Madhya Pradesh)	Bharti Airtel Limited	x	x			x	
India (Madhya Pradesh)	Vodafone Idea	x	x			x	
India (Madras/Chennai)	Bharti Airtel Limited	x	x		x	x	
India (Madras/Chennai)	Vodafone India	x	x			x	
India (Maharashtra)	Bharti Airtel Limited	x	x			x	
India (Maharashtra)	Vodafone Idea	x	x			x	
India (Maharashtra)	Vodafone Mobile Services Ltd, Maharashtra & Goa (INDBM)	x	x			x	
India (Punjab)	Bharti Airtel Limited	x	x			x	
India (Punjab)	Vodafone Idea	x	x			x	
India (Punjab)	Vodafone India	x	x			x	
India (Rajasthan)	Bharti Hexacom Ltd	x	x	x	x	x	
India (Rajasthan)	Vodafone Idea	x	x			x	
India (Rajasthan)	Vodafone India	x	x			x	
India (Tamil Nadu)	Bharti Airtel Limited	x	x		x	x	
India (Tamil Nadu)	Vodafone Idea	x	x			x	



India (Tamil Nadu)	Vodafone Mobile Services Limited Tamil Nadu	x	x			x	
India (Uttar Pradesh East)	Vodafone Idea	x	x			x	
India (Uttar Pradesh East)	Vodafone India	x	x	x		x	
India (Uttar Pradesh West)	Bharti Airtel Limited	x	x			x	
India (Uttar Pradesh West)	Vodafone Idea	x	x			x	
India (Uttar Pradesh West)	Vodafone India	x	x			x	
India (West Bengal)	Bharti Airtel Limited	x	x			x	
India (West Bengal)	Vodafone	x	x			x	
Indonesia	Indosat Ooredoo	x	x	x	x	x	
Indonesia	Indosat Ooredoo Hutchinson	x	x	x		x	
Indonesia	PT Telekomunikasi Selular	x	x	x	x	x	
Indonesia	XL Axiata	x	x		x	x	
Iran (Islamic Republic of)	MCI	x	x	x		x	
Iraq	Atheer Telecom Iraq	x	x	x		x	
Iraq	Korek Telecom Ltd.	x	x	x		x	
Ireland	Hutchison 3G Ireland limited	x	x	x		x	
Ireland	O2 Communications (Ireland) Ltd	x	x	x	x		
Ireland	Vodafone - Ireland	x	x	x	x	x	
Isle Of Man	Manx Telecom	x	x	x	x	x	
Isle Of Man	Sure Guernsey Limited	x	x	x	x	x	
Israel	Cellcom Israel Ltd	x	x	x	x	x	
Israel	Partner Communications Company Ltd	x	x	x	x	x	
Israel	Pelephone Communications Ltd.	x	x	x		x	
Italy	Telecom Italia SpA	x	x			x	
Italy	Vodafone Italia S.p.A	x	x		x	x	x
Italy	Wind Tre S.p.A.	x	x	x	x	x	
Ivory Coast	Atlantique Telecom Cote d'Ivoire	x	x	x		x	
Ivory Coast	MTN CÔTE D IVOIRE S.A.	x	x	x		x	
Ivory Coast	Orange CI	x	x	x		x	
Jamaica	Cable & Wireless Jamaica Limited	x	x	x		x	
Jamaica	Digicel (Jamaica) Limited	x	x	x		x	
Japan	NTT DoCoMo, Inc	x			x	x	
Japan	SOFTBANK MOBILE Corp.	x		x	x	x	x
Jersey	JERSEY AIRTEL LIMITED	x	x	x	x	x	
Jersey	Jersey Telecom	x	x	x		x	x
Jersey	Sure Guernsey Limited	x	x	x	x	x	
Jordan	Jordan Mobile Telephone Services (JMST)	x	x	x	x	x	
Jordan	Umniah Mobile Company	x		x		x	
Kazakhstan	KaR-Tel LLP	x	x	x	x	x	
Kazakhstan	Kcell JSC	x	x	x		x	

Kazakhstan	Mobile Telecom Service LLP	x	x	x		x	
Kenya	Airtel -Telkom Ltd.	x	x	x		x	
Kenya	Airtel-Telkom Limited	x	x	x			
Kenya	Safaricom Limited	x	x	x	x	x	
Kiribati	ATHKL Amalgamated Telecom Holdings Ltd.	x	x	x			
Korea, Republic Of	KT Corporation	x		x	x	x	x
Korea, Republic Of	SK Telecom	x	x	x	x	x	
Kosovo	IPKO Telecommunications LLC	x	x	x		x	
Kosovo	Monaco Telecom- Vala 900 Kosovo	x	x	x		x	
Kreta (Greece)	COSMOTE - Mobile Telecommunications S.A.	x	x			x	
Kreta (Greece)	Vodafone-Panafon	x	x	x	x	x	
Kreta (Greece)	Wind Hellas Telecommunications S.A.	x	x	x	x		
Kuwait	Mobile Telecommunications Co.	x	x	x	x		
Kuwait	Ooredoo Kuwait	x	x	x		x	
Kuwait	stc Kuwait	x	x	x		x	
Kyrgyzstan	Alfa Telecom Joint Stock Company	x	x	x		x	
Kyrgyzstan	Sky Mobile LLC	x	x	x	x	x	
Lao People's Democratic Republic	Lao Telecom	x	x	x			
Lao People's Democratic Republic	Star Telecom company Limited (STL)	x	x				
Lao People's Democratic Republic	TPLUS	x	x	x			
Latvia	SIA Bite Latvija	x	x	x	x	x	
Latvia	TELE2	x	x	x	x	x	
Lebanon	MIC 1	x	x	x		x	
Lebanon	MIC 2	x	x	x		x	
Lesotho	Vodacom Lesotho (Pty) Ltd	x	x	x	x	x	
Liberia	Lonestar Communications Corporation	x	x	x			
Liberia	Orange Liberia, Inc	x	x	x			
Libyan Arab Jamahiriya	AL MADAR Telecomm Company	x	x	x			
Libyan Arab Jamahiriya	Libyana Mobile Phone	x	x	x			
Liechtenstein	Swisscom, Switzerland & Liechtenstein	x		x	x		x
Liechtenstein	Telecom Liechtenstein AG	x	x	x		x	
Lithuania	UAB Bité Lietuva	x	x	x	x	x	
Lithuania	UAB TELE2	x	x	x		x	
Luxembourg	Orange S.A.	x	x	x	x	x	
Luxembourg	POST Luxembourg	x	x	x	x	x	x
Luxembourg	TANGO Mobile SA	x	x	x	x	x	
Macau	CTM	x		x	x	x	
Macau	SmarTone Mobile Communications (Macau) Ltd	x		x		x	

Macedonia, The Former Yugoslav Republic of	A1 Makedonija DOOEL Skopje	x	x	x		x	
Macedonia, The Former Yugoslav Republic of	Makedonski Telekom	x	x	x			
Madagascar	Celtel Madagascar	x	x	x		x	
Madagascar	Orange Madagascar S.A.	x	x	x		x	
Madeira (Portugal)	MEO - Serviços de Comunicações e Multimédia SA	x	x	x	x	x	
Madeira (Portugal)	Vodafone - Portugal	x	x		x	x	
Malawi	Airtel Malawi	x	x	x		x	
Malawi	Telekom Networks Malawi Ltd	x	x	x			
Malaysia	Celcom Axiata Berhad (Malaysia)	x	x		x	x	
Malaysia	DiGi Telecommunications Sdn Bhd	x	x			x	
Malaysia	Maxis Broadband Sdn. Bhd.	x	x		x	x	
Maldives	Ooredoo Maldives Pvt Ltd	x		x			
Mali	Malitel SA	x	x	x			
Mali	Orange Mali SA	x	x	x		x	
Mallorca (Spain)	Telefonica Moviles España S.A.	x	x	x		x	
Mallorca (Spain)	Vodafone - Spain	x	x	x	x	x	
Malta	GO p.l.c	x	x	x	x	x	
Malta	Melita Mobile Ltd.	x	x	x		x	
Marie-Galante (French Antilles)	DIGICEL Antilles Française Guyane	x	x	x	x		
Martinique	DIGICEL Antilles Française Guyane	x	x	x	x	x	
Martinique	Outremer	x	x	x			
Mauritania	MATTEL	x	x	x			
Mauritania	MAURITEL MOBILES	x	x	x			
Mauritius	Emtel Ltd	x	x	x		x	
Mauritius	Mahanagar Telephone (Mauritius) Ltd	x	x	x		x	
Mauritius	Orange- Cellplus Mobile Communications Ltd.	x	x	x	x	x	
Mayotte	Societe Reunionnaise de Radiotelephone	x	x	x		x	
Melilla (Spain)	Telefonica Moviles España S.A.	x	x	x		x	
Melilla (Spain)	Vodafone - Spain	x	x	x	x	x	
Menorca (Spain)	Telefonica Moviles España S.A.	x	x	x		x	
Menorca (Spain)	Vodafone - Spain	x	x	x	x	x	
Mexico	AT&T Comercializacion Movil, S. de R.L. de C.V.	x		x		x	
Mexico	Pegaso PCS, S.A. de C.V.	x		x		x	
Mexico	Radiomovil Dipsa SA de CV (TELCEL)	x	x	x	x	x	
Micronesia, Federated States of	FSM Telecommunications Corporation	x					
Moldova, Republic of	Moldcell SA	x	x	x		x	
Moldova, Republic of	Moldtelecom S.A.	x	x	x		x	
Moldova, Republic of	Orange Moldova S.A.	x	x	x		x	
Monaco	Bouygues Telecom	x	x	x	x	x	
Monaco	Monaco Telecom SAM	x	x	x		x	

Mongolia	MobiCom	x	x	x			
Mongolia	Skytel LLC	x	x	x			
Mongolia	Unitel LLC	x	x	x		x	
Montenegro	Crnogorski Telekom a.d. Podgorica	x	x	x		x	
Montenegro	MTEL D.O.O. PODGORICA	x	x	x		x	
Montenegro	Telenor d.o.o. Podgorica	x	x	x	x	x	
Montserrat	Cable & Wireless West Indies Ltd (Montserrat)	x	x	x			
Morocco	IAM	x	x	x		x	
Morocco	Medi Telecom	x	x	x	x	x	
Mozambique	Mcel (Mozambique telecom)	x	x	x			
Mozambique	Vodacom Mozambique	x	x	x		x	
Myanmar	Atom Myanmar Limited	x	x	x		x	
Myanmar	Myanmar Posts and Telecommunications	x	x	x		x	
Myanmar	Ooredoo Myanmar Limited	x	x	x		x	
Namibia	MTC Namibia	x	x	x	x		
Namibia	Telecom Namibia	x	x	x			
Nauru	Digicel (Fiji) Limited	x	x	x		x	
Nepal	Ncell Axiata	x	x	x	x	x	
Netherlands	Vodafone	x	x		x	x	x
Netherlands Antilles	Curacao Telecom N.V.	x	x	x		x	
Netherlands Antilles	Setel NV	x	x	x			
Netherlands Antilles	Telcell N.V.	x		x		x	
New Caledonia	OPT New Caledonia	x	x	x	x		
New Zealand	Spark New Zealand Trading Limited	x	x	x			
New Zealand	Vodafone - New Zealand	x	x	x	x	x	x
Nicaragua	Claro	x	x	x		x	
Nicaragua	Telefonia Celular de Nicaragua S.A.	x	x	x		x	
Niger	Celtel Niger	x	x	x		x	
Niger	Moov Africa Niger	x	x	x			
Niger	Orange Niger S.A	x	x	x			
Nigeria	Airtel (Bharti) Networks Ltd Nigeria	x	x	x	x	x	
Nigeria	MTN Nigeria Communications Limited	x	x	x		x	
Northern Cyprus	Vodafone Telekomunikasyon A.S	x	x	x	x	x	
Northern Ireland (United Kingdom)	EE Ltd	x	x				
Northern Ireland (United Kingdom)	EE Ltd.	x	x	x	x	x	
Northern Ireland (United Kingdom)	Virgin Media O2	x	x	x	x	x	
Northern Ireland (United Kingdom)	Vodafone - UK	x	x	x	x	x	
Northern Mariana Islands	Docomo Pacific, Inc.	x		x	x	x	
Northern Mariana Islands	PTI Pacifica Inc.	x	x	x		x	
Norway	Telenor Norway	x	x		x	x	x

Norway	Telia Norge AS	x	x		x	x	
Oman	Oman Telecommunications Company	x	x	x		x	
Oman	Omani Qatari Telecommunications Company SAOG	x	x	x		x	
Pakistan	Pakistan Mobile Communications Ltd (PMCL)	x	x	x		x	
Pakistan	Pakistan Telecommunication Mobile Ltd	x	x	x			
Pakistan	Telenor Pakistan (Pvt) Ltd.	x	x	x		x	
Palestinian Territory, occupied	Palestine Telecom Co Ltd	x	x	x			
Panama	Cable & Wireless Panama - GSM 850 - PANAMA, REUBL	x	x	x	x		
Panama	Claro Panama S.A.	x	x	x	x	x	
Panama	Digicel (Panama) S.A.	x		x		x	
Panama	Grupo de Comunicaciones Digitales	x	x	x		x	
Papua New Guinea	Digicel PNG Ltd.	x	x	x		x	
Papua New Guinea	Telikom Ltd.	x	x	x			
Paraguay	AMX Paraguay S.A.	x	x	x		x	
Paraguay	Telefonica Celular Del Paraguay S.A. (Telecel S.A.)	x	x	x			
Peru	America Movil Peru S.A.C	x	x	x	x	x	
Peru	Entel Perú S.A.	x	x	x		x	
Peru	Telefonica del Peru S.A.A.	x	x	x		x	
Philippines	Globe Telecom	x	x	x	x	x	
Philippines	Smart Communications Inc	x	x	x	x	x	
Poland	Orange Polska S.A	x	x	x		x	
Poland	Play Communications	x	x	x		x	
Poland	Polkomtel sp. Z o. o.	x	x	x	x	x	
Poland	T-Mobile Polska	x	x	x	x	x	
Portugal	MEO - Serviços de Comunicações e Multimédia SA	x	x	x	x	x	
Portugal	Vodafone - Portugal	x	x		x	x	
Puerto Rico	AT&T Mobility	x			x	x	x
Puerto Rico	Puerto Rico Telephone Company Inc.	x	x	x		x	
Puerto Rico	T-Mobile	x	x			x	x
Qatar	Vodafone Qatar Q.S.C.	x	x	x	x	x	
Rhodos (Greece)	COSMOTE - Mobile Telecommunications S.A.	x	x			x	
Rhodos (Greece)	Vodafone-Panafon	x	x	x	x	x	
Rhodos (Greece)	Wind Hellas Telecommunications S.A.	x	x	x	x		
Romania	Orange Romania SA	x	x	x		x	
Romania	RCS & RDS	x	x	x			
Romania	Telekom Romania Mobile Communications S.A.	x	x	x		x	
Romania	Vodafone - Romania	x	x	x	x	x	
Russian Federation	MegaFon, Open Joint Stock Company	x	x	x		x	

Russian Federation	MTS PJSC	x	x	x		x	
Russian Federation (Adygeya Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Altai Krai)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Altai Krai)	MTS PJSC	x	x	x		x	
Russian Federation (Altai Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Amur Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Amur Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Arkhangelsk Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Arkhangelsk Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Astrakhan Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Astrakhan Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Bashkortostan Republic)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Bashkortostan Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Bryansk Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Bryansk Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Buryatia Republic)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Buryatia Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Chechnya Republic)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Chelyabinsk Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Chelyabinsk Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Chita Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Chita Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Chuvashia Republic)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Chuvashia Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Irkutsk Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Ivanovo Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	

Russian Federation (Ivanovo Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Jewish Autonomous)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Jewish Autonomous)	MTS PJSC	x	x	x		x	
Russian Federation (Kaliningrad Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Kaliningrad Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Kalmykia Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Kaluga Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Kaluga Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Kamchatka Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Karelia Republic)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Karelia Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Kemerovo Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Kemerovo Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Khabarovsk Krai)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Khabarovsk Krai)	MTS PJSC	x	x	x		x	
Russian Federation (Khakassia Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Khanty-Mansiysk Autonomous)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Khanty-Mansiysk Autonomous)	MTS PJSC	x	x	x		x	
Russian Federation (Kirov Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Kirov Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Komi Republic)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Komi Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Kostroma Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Kostroma Oblast)	MTS PJSC	x	x	x		x	

Russian Federation (Krasnodar Krai)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Krasnodar Krai)	MTS PJSC	x	x	x		x	
Russian Federation (Kurgan Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Kurgan Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Kursk Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Leningrad Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Leningrad Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Lipetsk Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Magadan Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Mari El Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Mordovia Republic)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Mordovia Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Moscow Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Moscow Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Moscow)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Moscow)	MTS PJSC	x	x	x		x	
Russian Federation (Murmansk Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Murmansk Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Nenetses Autonomous)	MTS PJSC	x	x	x		x	
Russian Federation (Nizhny Novgorod Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Nizhny Novgorod Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Northern Ossetia - Alaniya Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Novgorod Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Novgorod Oblast)	MTS PJSC	x	x	x		x	



Russian Federation (Novosibirsk Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Omsk Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Omsk Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Orel Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Orel Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Orenburg Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Orenburg Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Penza Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Perm Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Perm Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Primorsk Krai)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Primorsk Krai)	MTS PJSC	x	x	x		x	
Russian Federation (Pskov Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Pskov Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Rostov Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Rostov Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Ryazan Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Ryazan Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Sakha-Yahutiya Republic)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Sakha-Yahutiya Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Sakhalin Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Sakhalin Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Samara Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Samara Oblast)	MTS PJSC	x	x	x		x	

Russian Federation (Saratov Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Smolensk Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Smolensk Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (St. Petersburg)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (St. Petersburg)	MTS PJSC	x	x	x		x	
Russian Federation (Stavropol Krai)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Stavropol Krai)	MTS PJSC	x	x	x		x	
Russian Federation (Sverdlovsk Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Sverdlovsk Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Taimyr Autonomous)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Taimyr Autonomous)	MTS PJSC	x	x	x		x	
Russian Federation (Tambov Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Tambov Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Tatarstan Republic)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Tatarstan Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Tomsk Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Tomsk Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Tula Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Tula Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Tver Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Tver Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Tyumen Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Tyumen Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Tyva Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Udmurtia Republic)	MegaFon, Open Joint Stock Company	x	x	x		x	

Russian Federation (Udmurtia Republic)	MTS PJSC	x	x	x		x	
Russian Federation (Ulyanovsk Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Ulyanovsk Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Vladimir Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Vladimir Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Volgograd Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Volgograd Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Vologda Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Vologda Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Voronezh Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Voronezh Oblast)	MTS PJSC	x	x	x		x	
Russian Federation (Yamal Nenetses Autonomous)	MTS PJSC	x	x	x		x	
Russian Federation (Yaroslavl Oblast)	MegaFon, Open Joint Stock Company	x	x	x		x	
Russian Federation (Yaroslavl Oblast)	MTS PJSC	x	x	x		x	
Rwanda	Airtel -TIGO RWANDA S.A	x	x	x			
Rwanda	Airtel Rwanda Limited	x	x	x			
Rwanda	MTN Rwandacell SARL	x	x	x	x		
Réunion	Orange Reunion	x	x	x		x	
Réunion	Societe Reunionnaise de Radiotelephone	x	x	x		x	
Saba (Dutch Antilles)	Setel NV	x	x	x			
Samoa	Bluesky Samoa Limited	x	x	x		x	
Samoa	Digicel Samoa	x	x	x		x	
San Marino	Telecom Italia SpA	x	x			x	
San Marino	Vodafone Italia S.p.A	x	x		x		x
San Marino	Wind Tre S.p.A.	x	x	x	x	x	
Sao Tome And Principe	Companhia Santomense de Telecomunicacoes SARL	x	x	x			
Sardinia (Italy)	Telecom Italia SpA	x	x			x	
Sardinia (Italy)	Vodafone Italia S.p.A	x	x		x	x	x
Sardinia (Italy)	Wind Tre S.p.A.	x	x	x	x	x	
Sark (Guernsey)	Sure Guernsey Limited	x	x	x	x	x	
Saudi Arabia	Etihad Etisalat Company	x	x	x	x	x	
Saudi Arabia	MTC Saudi Arabia	x	x	x		x	
Saudi Arabia	Saudi Telecom Company (STC)	x	x		x	x	

Scotland (United Kingdom)	EE Ltd	x	x				
Scotland (United Kingdom)	EE Ltd.	x	x	x	x	x	
Scotland (United Kingdom)	Virgin Media O2	x	x	x	x	x	
Scotland (United Kingdom)	Vodafone - UK	x	x	x	x	x	
Senegal	Expresso Senegal S.A.	x	x	x			
Senegal	Sonatel	x	x	x			
Serbia	A1 Srbija d.o.o. Beograd	x	x	x		x	
Serbia	Telekom Srbija	x	x	x		x	
Serbia	Yettel Serbia	x	x	x	x	x	
Seychelles	Airtel Seychelles Ltd	x	x	x		x	
Sicilia (Italy)	Telecom Italia SpA	x	x			x	
Sicilia (Italy)	Vodafone Italia S.p.A	x	x		x	x	x
Sicilia (Italy)	Wind Tre S.p.A.	x	x	x	x	x	
Sierra Leone	Celtel (SL) Limited	x	x	x		x	
Sierra Leone	LINTEL (Sierra Leone) Limited	x	x	x		x	
Singapore	M1 Limited	x		x	x	x	
Singapore	Singtel Mobile Singapore Pte Ltd	x		x		x	
Singapore	StarHub Mobile Pte Ltd	x		x	x	x	
Slovakia	O2 Slovakia, s.r.o.	x	x	x		x	
Slovakia	Orange Slovensko a.s.	x	x	x	x	x	
Slovakia	Slovak Telekom, a.s.	x	x	x	x	x	
Slovenia	A-1 Slovinija	x	x	x	x	x	x
Slovenia	Telekom Slovenije d.d.	x	x	x	x	x	
Solomon Islands	Bemobile (Solomon Islands) Limited	x	x	x			
Solomon Islands	Solomon Telekom Co Ltd	x					
Somalia	Telesom Company	x					
South Africa	Cell C (Pty) Ltd	x	x	x			
South Africa	MTN - Mobile Telephone Networks (Pty) Ltd.	x	x	x			
South Africa	Telkom	x	x	x			
South Africa	Vodacom (Pty) Ltd.	x	x	x	x	x	
South Sudan	The South Sudanese Mobile Telephone	x	x	x			
Spain	Telefonica Moviles España S.A.	x	x	x		x	
Spain	Vodafone - Spain	x	x	x	x	x	
Sri Lanka	Dialog Telekom PLC	x	x	x	x	x	
Sri Lanka	Mobitel (Pvt) Limited	x	x	x		x	
St Barth	Dauphin Telecom	x	x	x			
St Barth	DIGICEL Antilles Française Guyane	x	x	x	x	x	
St Barth	Setel NV	x	x	x			
St Eustatius (Dutch Antilles)	Setel NV	x	x	x			
St Kitts And Nevis	Cable & Wireless St Kitts & Nevis Limited	x	x	x		x	
St Kitts And Nevis	Digicel (Jamaica) Limited	x	x	x		x	

St Lucia	Cable & Wireless	x	x	x		x	
St Lucia	Digicel (Jamaica) Limited	x	x	x		x	
St Maarten (Dutch Antilles)	Setel NV	x	x	x			
St Martin	Dauphin Telecom	x	x	x			
St Martin	DIGICEL Antilles Française Guyane	x	x	x	x	x	
St Martin	Setel NV	x	x	x			
St Vincent And The Grenadines	Cable & Wireless Caribbean Cellular (St. Vincent & the Grenadines) Ltd	x	x	x			
St Vincent And The Grenadines	Digicel (Jamaica) Limited	x	x	x		x	
Suriname	Digicel Suriname NV	x	x	x		x	
Suriname	Telesur	x	x	x			
Svalbard and Jan Mayen Islands	Telenor Norway	x	x		x		x
Swaziland	MTN Estawani	x	x	x			
Swaziland	Swazi Mobile	x					
Sweden	Tele 2 AB	x	x	x	x	x	x
Sweden	Telenor Sverige AB	x	x	x	x	x	x
Sweden	TeliaSonera Mobile Networks AB Sweden	x	x	x	x		
Switzerland	Sunrise LLC	x	x	x	x	x	x
Switzerland	Swisscom, Switzerland & Liechtenstein	x		x	x	x	x
Syrian Arab Republic	MTN Syria (JSC)	x					
Taiwan, Province of China	Chunghwa Telecom	x		x	x	x	x
Taiwan, Province of China	Far EasTone Telecommunications Co Ltd	x		x	x	x	
Taiwan, Province of China	Taiwan Mobile Co.Ltd	x		x	x	x	
Tajikistan	CJSC Babilon-Mobile	x	x	x		x	
Tajikistan	Indigo Tajikistan	x	x	x		x	
Tajikistan	MegaFon, Open Joint Stock Company	x					
Tanzania, United Republic of	Airtel Tanzania Limited	x	x	x			
Tanzania, United Republic of	Vodacom Tanzania Limited	x	x	x	x	x	
Thailand	Advanced Wireless Network Company Limited	x		x		x	
Thailand	dtac TriNet Co., Ltd.	x	x	x		x	
Thailand	True Move H Universal Communication	x	x	x		x	
Thailand	True Move H Universal Communication	x		x			
The Saints (French Antilles)	DIGICEL Antilles Française Guyane	x	x	x	x		
Tibet (China)	China Mobile	x	x			x	
Tibet (China)	China Unicom	x	x	x	x	x	
Togo	Moov Africa Togo	x	x	x		x	
Togo	Togo Telecom	x	x	x			

Tonga	Digicel (Tonga) Limited	x	x	x		x	
Tonga	Tonga Communications Corporation	x	x	x		x	
Trinidad and Tobago	Digicel Trinidad and Tobago Ltd	x	x	x		x	
Trinidad and Tobago	Telecommunications Services of Trinidad and Tobago Ltd	x	x	x			
Tunisia	Orange Tunisie	x	x	x		x	
Tunisia	Tunisie Telecom	x	x	x		x	
Turkey	Avea Iletisim Hizmetleri A.S.	x	x	x		x	
Turkey	Vodafone Telekomunikasyon A.S	x	x	x	x	x	
Turkmenistan	Altyn Asyr MC	x					
Turks and Caicos Islands	Cable & Wireless West Indies Ltd (Turks & Caicos)	x	x	x		x	
Turks and Caicos Islands	Digicel (Jamaica) Limited	x	x	x		x	
Turks and Caicos Islands	Digicel Turks & Caicos Ltd.	x	x				
Uganda	Airtel Uganda Limited	x	x	x		x	
Uganda	MTN Uganda Ltd	x	x	x			
Ukraine	Kyivstar GSM JSC	x	x	x			
Ukraine	Lifecell LLC	x	x	x		x	
Ukraine	PrJSC "VF Ukraine"	x	x	x		x	
United Arab Emirates	Emirates Integrated Telecommunications Company PJSC	x	x	x	x	x	
United Arab Emirates	Emirates Telecommunications Group Company PJSC (Etisalat)	x	x	x	x	x	
United Kingdom	EE Ltd	x	x				
United Kingdom	EE Ltd.	x	x	x	x	x	
United Kingdom	Virgin Media O2	x	x	x	x	x	
United Kingdom	Vodafone - UK	x	x	x	x	x	
United States	Alaska Wireless Network LLC. (AWN)	x		x		x	
United States	AT&T Mobility	x			x	x	x
United States	Bug Tussel Wireless, LLC	x	x	x			
United States	Commnet Wireless, LLC	x	x	x		x	
United States	Indigo Wireless, INC	x	x				
United States	Limitless Mobile LLC	x	x	x			
United States	NewCore Wireless, LLC	x	x	x			
United States	North East Colorado Cellular, Inc (NECCI)	x		x		x	
United States	T-Mobile	x	x			x	x
United States	Union Telephone Company	x		x		x	
Uruguay	AM Wireless Uruguay S.A.	x	x	x	x	x	
Uruguay	ANTEL	x	x	x	x	x	
Uruguay	Telefonica Moviles Del Uruguay S.A.	x	x	x		x	
US (Alabama)	AT&T Mobility	x			x	x	x
US (Alabama)	T-Mobile	x	x			x	x
US (Alaska)	AT&T Mobility	x			x	x	x

US (Arizona)	AT&T Mobility	x			x	x	x
US (Arizona)	T-Mobile	x	x			x	x
US (Arkansas)	AT&T Mobility	x			x	x	x
US (Arkansas)	T-Mobile	x	x			x	x
US (California)	AT&T Mobility	x			x	x	x
US (California)	T-Mobile	x	x			x	x
US (Colorado)	AT&T Mobility	x			x	x	x
US (Colorado)	T-Mobile	x	x			x	x
US (Connecticut)	AT&T Mobility	x			x	x	x
US (Connecticut)	T-Mobile	x	x			x	x
US (Delaware)	AT&T Mobility	x			x	x	x
US (Delaware)	T-Mobile	x	x			x	x
US (District of Columbia)	AT&T Mobility	x			x	x	x
US (District of Columbia)	T-Mobile	x	x			x	x
US (Florida)	AT&T Mobility	x			x	x	x
US (Florida)	T-Mobile	x	x			x	x
US (Georgia)	AT&T Mobility	x			x	x	x
US (Georgia)	T-Mobile	x	x			x	x
US (Hawaii)	AT&T Mobility	x			x	x	x
US (Hawaii)	T-Mobile	x	x			x	x
US (Idaho)	AT&T Mobility	x			x	x	x
US (Idaho)	T-Mobile	x	x			x	x
US (Illinois)	AT&T Mobility	x			x	x	x
US (Illinois)	T-Mobile	x	x			x	x
US (Indiana)	AT&T Mobility	x			x	x	x
US (Indiana)	T-Mobile	x	x			x	x
US (Iowa)	AT&T Mobility	x			x	x	x
US (Iowa)	T-Mobile	x	x			x	x
US (Kansas)	AT&T Mobility	x			x	x	x
US (Kansas)	T-Mobile	x	x			x	x

US (Kentucky)	AT&T Mobility	x			x	x	x
US (Kentucky)	T-Mobile	x	x			x	x
US (Louisiana)	AT&T Mobility	x			x	x	x
US (Louisiana)	T-Mobile	x	x			x	x
US (Maine)	AT&T Mobility	x			x	x	x
US (Maine)	T-Mobile	x	x			x	x
US (Maryland)	AT&T Mobility	x			x	x	x
US (Maryland)	T-Mobile	x	x			x	x
US (Massachusetts)	AT&T Mobility	x			x	x	x
US (Massachusetts)	T-Mobile	x	x			x	x
US (Michigan)	AT&T Mobility	x			x	x	x
US (Michigan)	T-Mobile	x	x			x	x
US (Minnesota)	AT&T Mobility	x			x	x	x
US (Minnesota)	T-Mobile	x	x			x	x
US (Mississippi)	AT&T Mobility	x			x	x	x
US (Mississippi)	T-Mobile	x	x			x	x
US (Missouri)	AT&T Mobility	x			x	x	x
US (Missouri)	T-Mobile	x	x			x	x
US (Nebraska)	AT&T Mobility	x			x	x	x
US (Nebraska)	T-Mobile	x	x			x	x
US (Nevada)	AT&T Mobility	x			x	x	x
US (Nevada)	T-Mobile	x	x			x	x
US (New Hampshire)	AT&T Mobility	x			x	x	x
US (New Hampshire)	T-Mobile	x	x			x	x
US (New Jersey)	AT&T Mobility	x			x	x	x
US (New Jersey)	T-Mobile	x	x			x	x
US (New Mexico)	AT&T Mobility	x			x	x	x
US (New Mexico)	T-Mobile	x	x			x	x
US (New York)	AT&T Mobility	x			x	x	x
US (New York)	T-Mobile	x	x			x	x



US (North Carolina)	AT&T Mobility	x			x	x	x
US (Ohio)	AT&T Mobility	x			x	x	x
US (Ohio)	T-Mobile	x	x			x	x
US (Oklahoma)	AT&T Mobility	x			x	x	x
US (Oklahoma)	T-Mobile	x	x			x	x
US (Oregon)	AT&T Mobility	x			x	x	x
US (Oregon)	T-Mobile	x	x			x	x
US (Pennsylvania)	AT&T Mobility	x			x	x	x
US (Pennsylvania)	T-Mobile	x	x			x	x
US (Rhode Island)	AT&T Mobility	x			x	x	x
US (Rhode Island)	T-Mobile	x	x			x	x
US (South Carolina)	AT&T Mobility	x			x	x	x
US (Tennessee)	AT&T Mobility	x			x	x	x
US (Tennessee)	T-Mobile	x	x			x	x
US (Texas)	AT&T Mobility	x			x	x	x
US (Texas)	T-Mobile	x	x			x	x
US (Utah)	AT&T Mobility	x			x	x	x
US (Utah)	T-Mobile	x	x			x	x
US (Virginia)	AT&T Mobility	x			x	x	x
US (Virginia)	T-Mobile	x	x			x	x
US (Washington)	AT&T Mobility	x			x	x	x
US (Washington)	T-Mobile	x	x			x	x
US (West Virginia)	AT&T Mobility	x			x	x	x
US (West Virginia)	T-Mobile	x	x			x	x
US (Wisconsin)	AT&T Mobility	x			x	x	x
US (Wisconsin)	T-Mobile	x	x			x	x
USA_VIR	T-Mobile	x	x			x	x
Uzbekistan	UMS	x	x	x		x	
Uzbekistan	Unitel LLC	x	x	x		x	
Uzbekistan	Uzbektelecom J.S.C.	x	x	x		x	
Vanuatu	Digicel (Vanuatu) Ltd	x	x	x		x	

Vanuatu	TELECOM VANUATU LIMITED	x	x	x			
Vatican City State (Holy See)	Telecom Italia SpA	x	x			x	
Vatican City State (Holy See)	Vodafone Italia S.p.A	x	x		x		x
Vatican City State (Holy See)	Wind Tre S.p.A.	x	x	x	x	x	
Venezuela	Corporacion Digitel C.A.	x	x				
Venezuela	Telecomunicaciones Movilnet C.A.	x	x	x			
Venezuela	Telefónica Venezolana C.A.	x	x	x			
Viet Nam	Hanoi Telecom Joint Stock Company	x		x			
Viet Nam	Vietel Corporation	x	x		x	x	
Viet Nam	VinaPhone International	x	x	x		x	
Virgin Islands (British)	Cable & Wireless (West Indies) Limited	x	x	x		x	
Virgin Islands (British)	Caribbean Cellular Telephone	x	x	x			
Virgin Islands (British)	Digicel (Jamaica) Limited	x		x		x	
Virgin Islands (U.S.)	AT&T Mobility	x			x	x	x
Wales (United Kingdom)	EE Ltd	x	x				
Wales (United Kingdom)	EE Ltd.	x	x	x	x	x	
Wales (United Kingdom)	Virgin Media O2	x	x	x	x	x	
Wales (United Kingdom)	Vodafone - UK	x	x	x	x	x	
West Bank	Palestine Telecomm Co Ltd	x	x	x			
West Bank	Partner Communications Company Ltd	x	x	x	x	x	
Western Sahara	IAM	x	x	x		x	
Western Sahara	Medi Telecom	x	x	x	x	x	
Yemen	Sabafon Yemen	x	x				
Yemen	You Telecom	x	x				
Zambia	Airtel Networks Zambia Plc.	x	x	x	x	x	
Zambia	MTN (Zambia) Ltd	x	x	x			
Zambia	Zambia Telecommunications Company Ltd (ZAMTEL)	x	x	x			
Zanzibar	Airtel Tanzania Limited	x	x	x			
Zimbabwe	Econet Wireless (Private) Limited	x	x	x			
Zimbabwe	Telecel Zimbabwe (PVT) Ltd	x	x	x		x	

**LEGENDA:**

x = existing service

NT = Not Tested, may not be fully functional