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HLR LOOKUP HTTP API Manual

Version 3.2

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INTRODUCTION

With the advent of number portability, it is becoming increasingly difficult to reliably identify in which network a mobile number belongs to, just by checking the number (MSISDN).

The HLR lookup (referred also as **Mobile Network Query** or **IMSI lookup** or **MSISDN lookup** or **Mobile Number Portability lookup** service) allows you to check in real-time, whether a mobile number is valid, which network it belongs to, if it is roaming and also its location.

HLR or Home Location Register is a central database containing details for each mobile phone subscriber that is authorized to use the GSM core network. IMSI or International Mobile Subscriber Identity is a unique number associated with all GSM networks and mobile phone users. This unique number is stored inside the mobile phone SIM card. The used network identifies each mobile phone subscriber by this particular number. The IMSI provides information such as location of handset, user preferences and account status.

When you submit a MSISDN (mobile number) to our HLR lookup service, our system checks whether the mobile number is valid. If so, it returns the IMSI, the operator name and the country plus the MCC/MNC (Mobile Country Code/Mobile Network Code) associated with it.

This service can help mobile marketers identify and eliminate invalid numbers and SMS aggregators or resellers optimize their SMS routing. By using this service you avoid having message delivery failures due to portability or old numbers in databases. Specifically:

- **Simple Users** - determine if the number is in use since many people discontinue their mobile contracts frequently
- **Marketers** - clean up your databases and delete the invalid numbers
- **Application providers and developers** - send relevant information to mobile users based on location
- **Organizations wanting to deliver secure services** - validate the identity of the mobile user
- **Operators, aggregators and service providers** - avoid paying high/unexpected interworking fees, route through the least cost provider and keep your customers happy by ensuring all messages get routed well

This document describes MobiWeb's HTTP HLR Lookup API platform. It is used either via HTTP POST or GET requests. It can be used directly or through any programming language allowing developers and users to interface their system easily with MobiWeb's HLR services.

HTTP PROTOCOL

The Hypertext Transfer Protocol (HTTP) is the most common networking protocol used by all Web applications. HTTP is the foundation of data communication for the World Wide Web. It is based on requests for resources made with URLs and responses to them. The requests are made by clients (e.g. Web Browsers) and the responses are delivered by Servers (e.g. Website). Below you can find some basic terminology of the HTTP Protocol:

URL: A Uniform Resource Locator specifies where an identified resource is available and the mechanism for retrieving it. That is the address of the resource.

e.g. `http://www.domain.com/test.html`

Here the URL is 'http://www.domain.com/test.html'

Parameters: The parameters supplied to the URL. These begin at the end of the resource with the character '?' and are separated by character '&'.

e.g. `http://www.domain.com/test.html?paramA=1¶mB=testvalue`

Here the parameters are paramA with the value of '1' and paramB with the value of 'testvalue'.

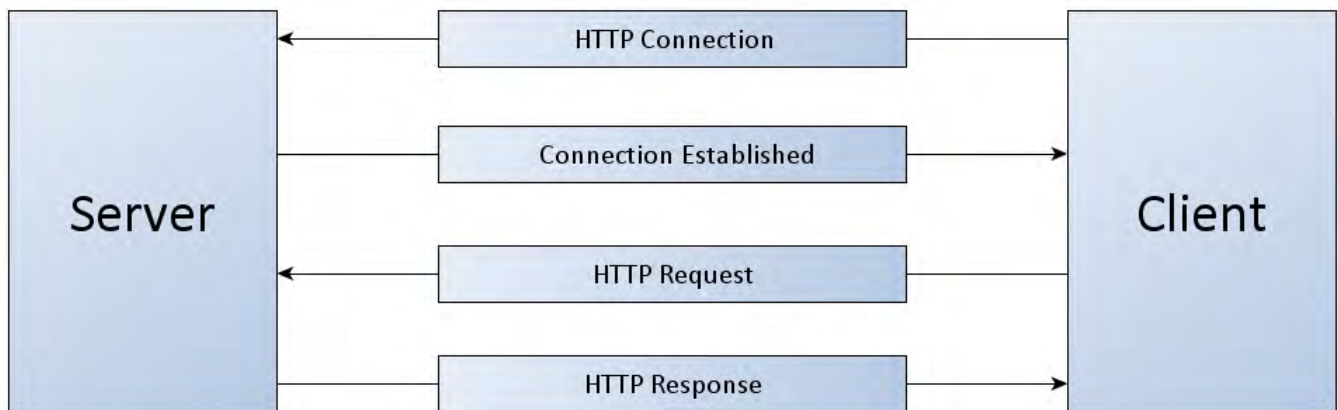


Figure 2 – HTTP Protocol

In order to make an HTTP GET call, you can use any programming language since they all offer a function to make HTTP GET requests.

In PHP you can execute the following:

e.g. `echo file_get_contents("http://www.domain.com/test.html");`

In a UNIX shell you can execute the following command (if libcurl is installed):

e.g. `curl 'http://www.domain.com/test.html'`

In a UNIX shell you can execute the following command (if lynx is installed):

e.g. `lynx -dump 'http://www.domain.com/test.html'`

HLR LOOKUP WITH THE HTTP API REQUEST

To send an HTTP HLR Lookup request you must provide the correct URL with the required parameters. An example HTTP GET request follows:

`http://IPADDRESS/bulksms/doHLR.go?username=userXXXX&password=passXXXX&phone=20xxxxxxxxxx`

Note: IPADDRESS, username and password are provided to users from respective Account Manager by email.

Parameter	Example / Explanation
username	e.g. userXXXX
	The username of your account.
password	e.g. passXXXX
	The password of your account
phone	e.g. 44xxxxxxxxxx
	The full international number of the recipient's mobile device. This excludes the leading '+'.
showdetails	e.g. 1 (Default 0)
	Set this parameter to '1' for requesting extended information on the selected mobile number.

Table 1 - HLR Lookup Parameters

All HTTP HLR Lookup Requests return the Status Code, MCC, MNC and Location of the requested mobile number or an Error Code with the relevant advanced status code information. (Please refer to Table 2 and Table 3 for returned values and Error Code explanations respectively)

e.g. 1|602|1|202234250000|602014531155 - Valid Mobile (Status 1) from country Egypt (MCC 602) that belongs to Operator Mobinil (MNC 1) . Device is located at MSC address 202234250000. Subscriber's International Mobile Subscriber Identity (IMSI) is 602014531155. (Please refer to Appendix A – Mobile Network Operators Reference for worldwide MCC MNC codes)

Returned Values		
Returned Value	Value	Description
Status Code	0	Invalid Mobile Number
	1	Valid Mobile Number
MCC	XXX	The Mobile Country Code of the mobile number.
MNC	XXX	The Mobile Network Code of the mobile number.
Location (MSC Address)	XXXXXXXXXXXX	The current location (MSC address) of the subscriber. For specific networks/countries that information might not be available. If for any reason there is no location information 0 is returned.
IMSI	XXXXXXXXXXXX	International Mobile Subscriber Identity: Unique identification number of subscriber. For specific networks/countries that information might not be available. If for any reason the IMSI is not available, 0 is returned.
Advanced Status Code (supplied only when status code is zero)	ABSENT_SUBSCRIBER_SM	The subscriber is absent.
	DATA_MISSING	The data is missing.
	TELE_SERVICE_NOT_PROVISIONED	The SMS teleservice is not provisioned.
	UNEXPECTED_DATA_VALUE	An unexpected data value was found in the request.
	SYSTEM_FAILURE	A system failure occurred.
	FACILITY_NOT_SUPPORTED	The short message facility is not supported.
	CALL_BARRED	The HLR is barred by the queried operator.
	HLR_ABORT	Operator's HLR blocked the HLR request.
	HLR_REJECT	Operator's HLR rejected the request.
	HLR_LOCAL_CANCEL	Operator's HLR did not respond to the request.
	UNKNOWN_SUBSCRIBER	The subscriber is unknown.
TIMEOUT	HLR request received not response.	

Table 2 – HLR Lookup Returned Values

Error Codes	
ERROR #	Description
ERROR100	Temporary Internal Server Error. Try again later
ERROR101	Not valid parameters in request
ERROR102	No credits available

Table 3 – HLR Lookup Error Codes

EXAMPLES FOR HLR LOOKUP

HTTP GET Request for a Mobile Number

http://IPADDRESS/bulksms/doHLR.go?username=userXXXX&password=passXXXX&phone=20xxxxxxxxxx

HTTP API request for requesting validation of mobile number '20xxxxxxxxxx'.

phone=20xxxxxxxxxx

Returns the Status Code, MCC, MNC and Location of the requested mobile number or an Error Code with the relevant advanced status code information. (Refer to Table 2 and Table 3 for returned values and Error Code explanations respectively)

e.g. 1|602|1|202234250000|602014531155 – Valid

e.g. 0|000|0|0|0|ABSENT_SUBSCRIBER_SM – Invalid because subscriber is absent

HTTP GET Request for a Mobile Number in detailed form

http://IPADDRESS/bulksms/doHLR.go?

username=userXXXX&password=passXXXX&phone=20xxxxxxxxxx&showdetails=1

HTTP API request for requesting validation of mobile number '20xxxxxxxxxx' **in detailed form.**

phone=20xxxxxxxxxx

showdetails=1

Returns the Status Code, MCC, MNC and Location of the requested mobile number or an Error Code with the relevant advanced status code information. (Refer to Table 2 and Table 3 for returned values and Error Code explanations respectively)

e.g.

COUNTRY: Egypt(+20)

MCC: 602

MNC: 1

LOCATION: 202234250000

IMSI: 602014531155

OPERATOR: Mobinil

CREDIT BALANCE

An HTTP API request is available for users who wish to retrieve the remaining credits of their accounts. An example of HTTP GET request is:

<http://IPADDRESS/bulksms/getBALANCE.go?username=userXXXX&password=passXXXX&type=HLR>

Parameter	Example / Explanation
username	e.g. userXXXX
	The username of your account.
password	e.g. passXXXX
	The password of your account
type	e.g. HLR
	Set to value 'HLR' for HLR Lookup Balance.

Table 6 – Credit Balance Parameters

An HTTP API Credit Balance request returns the number of available EUROS of the user's account.

e.g. 945.35 €

APPENDIX

MOBILE NETWORK OPERATORS REFERENCE MCC/MNC

Country	Operator	MCC	MNC
Afghanistan	Afghan Wireless Communication Company (AWCC)	412	1
Afghanistan	Areeba Afghanistan	412	40
Afghanistan	Etisalat Afghanistan	412	50
Afghanistan	Roshan	412	20
Albania	Albania Mobile Communications (AMC)	276	1
Albania	Eagle Mobile	276	3
Albania	Vodafone Albania	276	2
Algeria	Algerie Telecom	603	1
Algeria	Djezzy	603	2
Algeria	Nedjma	603	3
American Samoa	Blue Sky Communications	544	11
Andorra	Mobiland	213	3
Angola	Unitel Angola	631	2
Anguilla	Cable & Wireless (Anguilla)	365	840
Anguilla	Weblinks	365	10
Anguilla	Wireless Ventures (Anguilla) Ltd. (Digicel)	365	930
Antigua and Barbuda	APUA PCS	344	30
Antigua and Barbuda	Cable & Wireless Caribbean Cellular (Antigua) Ltd	344	920
Antigua and Barbuda	Digicel (Antigua)	344	930
Argentina	Cti Pcs (Claro)	722	310
Argentina	Hutchison Telecommunications Argentina S.A.	722	35
Argentina	Nextel Argentina	722	2
Argentina	TELECOM PERSONAL	722	34
Argentina	Telefonica Moviles Argentina	722	7
Armenia	ArmenTel	283	1
Armenia	Karabakh Telecom	283	4
Armenia	Orange Armenia	283	10
Armenia	VivaCell	283	5
Aruba	NMTS (Digicel Aruba)	363	20
Aruba	SETAR	363	1
Australia	Hutchison 3G Australia	505	12
Australia	Optus Mobile Pty Ltd	505	2
Australia	Telstra Corporation	505	1
Australia	Vodafone Hutchison Australia Pty Limited	505	3
Austria	Hutchison 3G Austria GmbH	232	10
Austria	Mobilkom Austria	232	1
Austria	Orange Austria Telecommunication GmbH	232	5
Austria	T-Mobile Austria GmbH	232	3
Austria	Tele.ring Telekom Service GmbH	232	7
Azerbaijan	Azercell	400	1
Azerbaijan	Azerfon	400	4
Azerbaijan	Bakcell	400	2
Bahamas	Bahamas Telecommunications Company	364	39

Bahrain	Batelco	426	1
Bahrain	VIVA STC Bahrain B.S.C	426	4
Bahrain	Zain	426	2
Bangladesh	AKTEL	470	2
Bangladesh	Grameen Phone	470	1
Bangladesh	Sheba Telecom	470	3
Bangladesh	Teletalk	470	4
Bangladesh	Warid Telecom	470	7
Barbados	Cable & Wireless (Barbados)	342	600
Barbados	Digicel (Barbados)	342	750
Belarus	Belarusian Telecommunications Network CJSC (BeST)	257	4
Belarus	JV Mobile Digital Communications Ltd (Velcom)	257	1
Belarus	Mobile TeleSystems LLC (MTS)	257	2
Belgium	Base	206	20
Belgium	Belgacom Mobile - Proximus	206	1
Belgium	MOBISTAR	206	10
Belize	Belize Telecommunication	702	67
Benin	BBCom	616	0
Benin	BeninCell	616	3
Benin	Glo Benin	616	5
Benin	Libercom	616	1
Benin	Telecel Benin	616	2
Bermuda	Cellular One Bermuda	350	0
Bermuda	M3 Wireless	350	2
Bermuda	Telecommunications (Bermuda & West Indies) Ltd Digicel	350	1
Bhutan	Bhutan Telecom	402	11
Bolivia	Entel	736	2
Bolivia	Neuvatel	736	1
Bolivia	Telecel Bolivia	736	3
Bosnia and Herzegovina	ERONET	218	3
Bosnia and Herzegovina	GSM BIH (BH Telecom) (mobile)	218	90
Bosnia and Herzegovina	m:tel	218	5
Botswana	Mascom Wireless	652	1
Botswana	Orange Botswana	652	2
Brazil	Amazonia Celular	724	24
Brazil	Brasil Telecom	724	16
Brazil	Claro Argentina	724	5
Brazil	CTBC Cellular	724	32
Brazil	Nextel Brazil	724	0
Brazil	Oi	724	31
Brazil	Sercomtel Celular	724	15
Brazil	Telemig Celular	724	23
Brazil	TIM Celular	724	2
Brazil	Vivo	724	6
Brunei Darussalam	B-Mobile Communications	528	2
Brunei Darussalam	DST Communications	528	11
Bulgaria	Globul	284	5
Bulgaria	MobilTel AD	284	1

Bulgaria	Vivatel	284	3
Burkina Faso	Celtel Burkina Faso S.A.	613	2
Burkina Faso	Telecel Faso S.A.	613	3
Burkina Faso	Telmob S.A.	613	1
Burundi	Africell	642	2
Burundi	Onatel	642	3
Burundi	Spacotel Burundi	642	1
Cambodia	Advance Communications Co. Ltd (CADCOMMS)	456	4
Cambodia	Camshin	456	18
Cambodia	Mobitel	456	1
Cambodia	Samart	456	2
Cameroon	MTN	624	1
Cameroon	Orange Cameroon	624	2
Canada	Bell Mobility Inc	302	651
Canada	Fido Solutions	302	370
Canada	First Networks Operations	302	350
Canada	Rogers Wireless Canada	302	720
Canada	SaskTel Wireless	302	680
Cape Verde	Cabo Verde Movel	625	1
Cape Verde	Grenada Wireless Holdings Ltd (AT&T)	625	2
Cayman Islands	Cable & Wireless (Cayman Islands)	346	140
Cayman Islands	Digicel Cayman Ltd.	346	6
Central African Republic	A-Cell	623	1
Central African Republic	NationLink Telecom	623	4
Central African Republic	Orange Central African Republic	623	3
Central African Republic	Telecel	623	2
Chad	Celtel Tchad	622	1
Chad	Millicom Tchad	622	2
Chile	Claro Chile	730	3
Chile	ENTEL PCS TELECOMUNICACIONES	730	10
Chile	Entel Telefonía Movil	730	1
Chile	TELEFONICA MOVILES MOVISTAR CHILE	730	2
China	China Mobile (GSM)	460	0
China	China Unicom (GSM)	460	1
China	China Unicom CDMA	460	3
Colombia	Comcel	732	101
Colombia	Movistar Colombia	732	123
Colombia	OLA (Colombia Movil)	732	111
Comoros/Mayotte	HURI	654	1
Congo	Celtel Congo	629	1
Congo	Libertis Telecom	629	10
Congo	Warid Congo SA	629	7
Congo, The Democratic Republic of the	Celtel Zain Congo	630	2
Congo, The Democratic Republic of the	Congo Chine Telecom	630	86
Congo, The Democratic Republic of the	Congolese Wireless Network	630	1

Congo, The Democratic Republic of the	Sait-Telecom (Oasis)	630	89
Congo, The Democratic Republic of the	Supercell Congo	630	5
Cook Islands	Telecom Cook Islands Ltd	548	1
Costa Rica	Instituto Costarricense de Electricidad (ICE)	712	1
Cote D` Ivoire	Atlantique Cellulaire (MOOV)	612	2
Cote D` Ivoire	Comium Ivory Coast Inc (KoZ)	612	4
Cote D` Ivoire	MTN Cote d'Ivoire	612	5
Cote D` Ivoire	Orange Cote d'Ivoire	612	3
Cote D` Ivoire	Oricel Cote d'Ivoire	612	6
Croatia	T-Mobile Croatia	219	1
Croatia	Tele2	219	2
Croatia	VIPNet	219	10
Cuba	ETECSA	368	1
Cyprus	Areeba	280	10
Cyprus	CYTA mobile-Vodafone	280	1
Czech Republic	T-Mobile Czech Republic	230	1
Czech Republic	Telefonica O2 Czech Republic	230	2
Czech Republic	Vodafone Czech Republic	230	3
Denmark	Barablu Mobile	238	7
Denmark	Hi3G Denmark	238	6
Denmark	TDC Mobil	238	1
Denmark	Tele2 Denmark	238	77
Denmark	Telenor LSO	238	2
Denmark	Telia Denmark	238	20
Djibouti	Djibouti Telecom	638	1
Dominica	Cable & Wireless (Dominica)	366	110
Dominica	Digicel (Dominica)	366	20
Dominican Republic	Compania Dominicana de Telefonos (CODETEL)	370	2
Dominican Republic	Orange Dominicana	370	1
Dominican Republic	Tricom	370	3
Dominican Republic	Trilogy Dominicana	370	4
Ecuador	Movistar (Otecel)	740	0
Ecuador	Porta	740	1
Egypt	Etisalat Egypt	602	3
Egypt	Mobilnil	602	1
Egypt	Vodafone Egypt	602	2
El Salvador	Compania de Telecomunicaciones de El Salvador (CTE)	706	1
El Salvador	DIGICEL, S.A. de C.V.	706	2
El Salvador	Intelfon	706	5
El Salvador	TELEFONICA MOVILES EL SALVADOR, S.A. de C.V.	706	4
El Salvador	TELEMOVIL EL SALVADOR, S.A.	706	3
Equatorial Guinea	GETESA	627	1
Eritrea	Eritel	657	1
Estonia	EMT	248	1
Estonia	Radiolinja Eesti	248	2
Estonia	Tele 2 Eesti	248	3

Ethiopia	EthioMobile	636	1
F.Y.R.O.M.	Cosmofon	294	2
F.Y.R.O.M.	T-Mobile F.Y.R.O.M.	294	1
F.Y.R.O.M.	VIP OPERATOR DOOEL Skopje (VIP MKD/Nov Operator)	294	3
Falkland Islands	Touch Falkland Islands	750	1
Faroe Islands	Faroese Telecom	288	1
Faroe Islands	Kall	288	2
Fiji	Vodafone Fiji	542	1
Finland	Alands Mobiltelefon	244	14
Finland	DNA Finland	244	3
Finland	Elisa	244	5
Finland	Saunalahti Group	244	21
Finland	Teliasonera Finland	244	91
France	Bouygues Telecom	208	20
France	Orange France	208	1
France	S.F.R. - Societe Francaise Du Radiotelephone	208	10
French Guiana	Digicel Antilles Francaises Guyane	742	20
French Guiana	Orange Caraibe Mobiles	742	1
French Guiana	Outremer Telecom French Guiana	742	2
French Polynesia	VINI	547	20
Gabon	Libertis	628	1
Gabon	Telecel Gabon	628	2
Gabon	ZAIN Gabon (Celtel)	628	3
Gambia	Africell Gambia	607	2
Gambia	Comium	607	3
Gambia	Gamcel Gambia	607	1
Gambia	Qcell Gambia	607	4
Georgia	Beeline	282	4
Georgia	Geocell	282	1
Georgia	Magti GSM	282	2
Germany	Dolphin Telecom Deutschland GmbH	262	12
Germany	E-Plus	262	3
Germany	Group3G (Quam)	262	14
Germany	MobilCom	262	13
Germany	O2 Germany (GmbH & Co. OHG)	262	7
Germany	T-Mobile D Germany	262	1
Germany	vistream GmbH	262	16
Germany	Vodafone D2 Germany	262	2
Ghana	Kasapa Telecom Ltd	620	501
Ghana	Millicom Ghana Limited (tiGO)	620	3
Ghana	ONETouch Ghana	620	2
Ghana	Spacefon	620	1
Ghana	Zain Ghana	620	6
Gibraltar	Gibtelecom	266	1
Greece	Cosmote	202	1
Greece	Q Telecom	202	9
Greece	Vodafone	202	5
Greece	Wind	202	10

Greenland	TELE Greenland	290	1
Grenada	Cable & Wireless (Grenada)	352	110
Grenada	Digicel Grenada Ltd.	352	30
Grenada	Simmin hf (On-waves)	352	1
Guadeloupe	Digicel Antilles Francaises Guyane Guadeloupe	340	20
Guadeloupe	Orange Caraibes Mobiles	340	1
Guadeloupe	Outremer Telecom Guadeloupe	340	2
Guadeloupe	UTS CARAIBES	340	3
Guam	Docomo Pacific, Inc (Hafatel)	535	470
Guam	IT&E Overseas, Inc (IT&E Wireless)	535	32
Guam	Pulse Mobile LLC (GTA Wireless)	535	140
Guam	Wave Runner LLC (i CAN_GSM)	535	250
Guatemala	Claro Guatemala	704	1
Guatemala	Comunicaciones Celulares	704	2
Guatemala	Telefonica Centroamerica	704	3
Guinea	Areeba Guinea	611	4
Guinea	Cellcom Guinea	611	5
Guinea	Orange Guinea	611	1
Guinea	Sotelgui	611	2
Guinea	Telecel Guinea	611	3
Guinea-Bissau	Guineatel	632	7
Guinea-Bissau	Orange Bissau	632	3
Guinea-Bissau	Spacetel Guinea-Bissau	632	2
Guyana	Digicel Guyana	738	1
Guyana	Guyana Telephone & Telegraph	738	2
Haiti	Communication Cellulaire (ComCEL)	372	1
Haiti	Rectel	372	3
Haiti	Unigestion Holding (Digicel)	372	2
Honduras	Celtel (Tigo) Honduras	708	2
Honduras	Digicel Honduras	708	4
Honduras	Hondutel	708	30
Honduras	Sercom (Claro) Honduras	708	1
Hong Kong	China Motion Telecom (HK)	454	9
Hong Kong	China Unicom (Hong Kong) Operations	454	7
Hong Kong	China-Hongkong Telecom	454	11
Hong Kong	CITIC Telecom 1616	454	1
Hong Kong	CSL Hong Kong	454	0
Hong Kong	Hong Kong CSL 3G	454	2
Hong Kong	Hong Kong Telecommunications (HKT)	454	16
Hong Kong	Hutchison Telephone Co	454	4
Hong Kong	Hutchison3G	454	3
Hong Kong	New World Mobility	454	10
Hong Kong	Peoples Telephone Company	454	12
Hong Kong	SmarTone 3G	454	15
Hong Kong	Smartone Mobile Communications	454	6
Hong Kong	Sunday 3G (Hong Kong)	454	19
Hong Kong	Trident Telecom Ventures	454	8
Hungary	T-Mobile Hungary	216	30

Hungary	Telenor Magyarorszag	216	1
Hungary	Vodafone Hungary	216	70
Iceland	IceCell	274	7
Iceland	IMC Islande (Viking)	274	4
Iceland	Nova	274	11
Iceland	Null-Niu	274	6
Iceland	Siminn	274	1
Iceland	Vodafone Iceland	274	2
India	Aircel Ltd.	404	42
India	Aircel Ltd. (Aircel -Chennai)	404	41
India	Aircell Digilink India	404	17
India	Bharat Sanchar Nigam Limited (CellOne - Andhra Pradesh)	404	73
India	Bharat Sanchar Nigam Limited (CellOne - Assam)	404	38
India	Bharat Sanchar Nigam Limited (CellOne - Bihar)	404	75
India	Bharat Sanchar Nigam Limited (CellOne - Chennai)	404	64
India	Bharat Sanchar Nigam Limited (CellOne - Gujarat)	404	57
India	Bharat Sanchar Nigam Limited (CellOne - Himachal Pradesh)	404	51
India	Bharat Sanchar Nigam Limited (CellOne - Jammu & Kashmir)	404	62
India	Bharat Sanchar Nigam Limited (CellOne - Karnataka)	404	71
India	Bharat Sanchar Nigam Limited (CellOne - Kerala)	404	72
India	Bharat Sanchar Nigam Limited (CellOne - Madhya Pradesh)	404	58
India	Bharat Sanchar Nigam Limited (CellOne - Maharashtra)	404	66
India	Bharat Sanchar Nigam Limited (CellOne - North East)	404	77
India	Bharat Sanchar Nigam Limited (CellOne - Orissa)	404	76
India	Bharat Sanchar Nigam Limited (CellOne - Punjab)	404	53
India	Bharat Sanchar Nigam Limited (CellOne - Rajasthan)	404	59
India	Bharat Sanchar Nigam Limited (CellOne - Uttar Pradesh West)	404	54
India	Bharat Sanchar Nigam Limited (CellOne - West Bengal)	404	74
India	Bharat Sanchar Nigam Limited (CellOne - Kolkata)	404	81
India	Bharat Sanchar Nigam Limited (CellOne - Tamil Nadu)	404	80
India	Bharat Sanchar Nigam Limited (CellOne - Uttar Pradesh East)	404	55
India	Bharat Sanchar Nigam Ltd (BSNL)	404	34
India	Bharti Airtel Ltd (Airtel - Andhra Pradesh Circle)	404	49
India	Bharti Airtel Ltd (Airtel - Chennai)	404	40
India	Bharti Airtel Ltd (Airtel - Gujarat)	404	98
India	Bharti Airtel Ltd (Airtel - Haryana)	404	96
India	Bharti Airtel Ltd (Airtel - Himachal Pradesh Circle)	404	3
India	Bharti Airtel Ltd (Airtel - Karnataka)	404	45
India	Bharti Airtel Ltd (Airtel - Kerala)	404	95
India	Bharti Airtel Ltd (Airtel - Kolkata)	404	31
India	Bharti Airtel Ltd (Airtel - Madhya Pradesh)	404	93
India	Bharti Airtel Ltd (Airtel - Maharashtra)	404	90
India	Bharti Airtel Ltd (Airtel - Mumbai Metro)	404	92
India	Bharti Airtel Ltd (Airtel - Punjab)	404	2
India	Bharti Airtel Ltd (Airtel - Tamil Nadu)	404	94
India	Bharti Airtel Ltd (Airtel - Uttar Pradesh West))	404	97
India	Bharti Cellular	404	10
India	Bharti Hexacom Ltd (Airtel - Rajasthan)	404	70

India	BPL Mobile Communications Ltd	404	21
India	BTA Cellcom	404	78
India	Dishnet Wireless Ltd (Aircel - Assam)	404	29
India	Dishnet Wireless Ltd (Aircel - Himachal Pradesh)	404	35
India	Dishnet Wireless Ltd (Aircel - Jammu & Kashmir)	404	37
India	Dishnet Wireless Ltd (Aircel - Kolkata)	404	91
India	Dishnet Wireless Ltd (Aircel - North East)	404	33
India	Dishnet Wireless Ltd (Aircel - Orissa)	404	28
India	Escorts Telecom	404	82
India	Escotel Mobile Communications	404	12
India	FASCEL	404	5
India	Hexacom India	404	16
India	Hutchinson Essar South Ltd.	404	13
India	Hutchinson Max Telecom	404	20
India	IDEA Cellular	404	22
India	IDEA Cellular Ltd (Escotel - Kerala)	404	19
India	IDEA Cellular Ltd (Escotel - Uttar Pradesh West)	404	56
India	IDEA Cellular Ltd (IDEA - Andhra Pradesh)	404	7
India	IDEA Cellular Ltd (IDEA - Delhi)	404	4
India	IDEA Cellular Ltd (IDEA - Gujarat)	404	24
India	IDEA Cellular Ltd (IDEA - Rajasthan)	404	87
India	IDEA Cellular Ltd (IDEA - Uttar Pradesh East)	404	89
India	IDEA Cellular Ltd (Spice Telecom - Karnataka)	404	44
India	Mahanagar Telephone Nigam Ltd (MTNL)	404	68
India	MTNL Mahanagar Telephone Nigam Ltd (Mahanagar Telephone Nigam - Mumbai)	404	69
India	MTS Rajasthan - CDMA	404	0
India	Reliable Internet Service Ltd.	404	83
India	Reliance Communications Ltd (Assam)	404	9
India	Reliance Communications Ltd (Himachal Pradesh Circle)	404	18
India	Reliance Communications Ltd (Madhya Pradesh)	404	67
India	Reliance Communications Ltd (North East)	404	50
India	Reliance Communications Ltd (Orissa Circle)	404	52
India	Reliance Communications Ltd (West Bengal)	404	85
India	Reliance Telecom	404	36
India	Spice Communications Pvt Ltd	404	14
India	Sterling Cellular	404	11
India	TATA Indicom	404	25
India	Usha Martin Telecom	404	30
India	Vodafone Essar Cellular Limited (Vodafone - Maharashtra & Goa)	404	27
India	Vodafone Essar Cellular Ltd (Vodafone - Kerala)	404	46
India	Vodafone Essar Cellular Ltd (Vodafone - Tamil Nadu)	404	43
India	Vodafone Essar Digilink Ltd (Vodafone - Rajasthan)	404	60
India	Vodafone Essar Digilink Ltd (Vodafone - Uttar Pradesh East)	404	15
India	Vodafone Essar South	404	1
India	Vodafone Essar South Ltd (Vodafone - Chennai)	404	84
India	Vodafone Essar South Ltd (Vodafone - Karnataka)	404	86

India	Vodafone Essar South Ltd (Vodafone - Punjab)	404	88
Indonesia	Excelcomindo GSM	510	11
Indonesia	Indosat	510	21
Indonesia	Mobile8	510	28
Indonesia	PT Hutchison CP Telecom	510	89
Indonesia	PT INDOSAT Tbk	510	1
Indonesia	PT Natrindo Telepon Seluler (axis)	510	8
Indonesia	PT. Telekomunikasi Selular (Telkomsel)	510	10
International Networks	Asia Cellular Satellite (ACeS)	901	0
International Networks	Inmarsat Satellite	901	11
International Networks	SITA	901	15
International Networks	Thuraya	901	5
Iran	Irancell	432	35
Iran	Mobile Telecommunications Company of Esfahan (MTCE)	432	19
Iran	Talya	432	32
Iran	Telecommunication Company of Iran (TCI)	432	11
Iran	Telecommunication Kish Co. (Kifzo)	432	14
Iraq	Asia Cell	418	5
Iraq	KorekTel	418	40
Iraq	SanaTel	418	8
Iraq	Zain Iraq	418	20
Ireland	Hutchison 3G Ireland Ltd	272	5
Ireland	Meteor Mobile Communications Ltd.	272	3
Ireland	O2 Communications (Ireland) Ltd	272	2
Ireland	Vodafone Ireland plc	272	1
Italy	H3G Italia	222	99
Italy	TIM Italia	222	1
Italy	Vodafone Italia	222	10
Italy	Wind Telecomunicazioni	222	88
Jamaica	Cable & Wireless (Jamaica)	338	180
Jamaica	Claro Jamaica	338	70
Jamaica	Digicel (Jamaica)	338	50
Japan	EMobile	440	0
Japan	KDDI	440	7
Japan	NTT/DoCoMo	440	10
Japan	SoftBank Mobile	440	20
Jordan	Orange Jordan	416	77
Jordan	UMNIAH	416	3
Jordan	Xpress Jordan	416	2
Jordan	Zain Jordan	416	1
Kazakhstan	Beeline (K-mobile)	401	1
Kazakhstan	K-Cell Kazakhstan	401	2
Kazakhstan	Mobile Telecom Service Kazakhstan	401	77
Kenya	Celtel Kenya Ltd	639	3
Kenya	Econet Wireless Kenya Ltd	639	5
Kenya	Safaricom (GSM) Kenya	639	2
Kenya	Telkom Kenya Ltd (Orange)	639	7
Kiribati	Telecom Services Kiribati Ltd (TSKL)	545	9

Korea, Democratic People`s Republic of (North)	Korea Posts and Telecommunications	467	3
Korea, Democratic People`s Republic of (North)	Koryolink	467	192
Korea, Republic of	KT Freetel	450	2
Korea, Republic of	LG Telecom	450	6
Korea, Republic of	SK Telecom	450	5
Kuwait	Viva Kuwait	419	4
Kuwait	Wataniya Telecom	419	3
Kuwait	Zain / Mobile Telecommunication Company (MTC)	419	2
Kyrgyzstan	BiMoCom (Megacom)	437	5
Kyrgyzstan	Nur Telecom	437	9
Kyrgyzstan	Sky Mobile	437	1
Lao People`s Democratic Republic	Entreprise d'Etat des Postes et Telecommunications Lao (EPTL)	457	2
Lao People`s Democratic Republic	Lao Telecom	457	1
Lao People`s Democratic Republic	Star Telecom Company Ltd (STL)	457	3
Lao People`s Democratic Republic	Tigo Laos	457	8
Latvia	Bite Latvija	247	5
Latvia	Latvijas Mobilais Telefons (LMT)	247	1
Latvia	Tele2 Latvia	247	2
Latvia	Triatel Latvija	247	3
Lebanon	Alfa Lebanon	415	1
Lebanon	MTC Touch Lebanon	415	3
Lesotho	Econet Ezi-Cel	651	2
Lesotho	Vodacom	651	1
Liberia	Celcom Telecommunications, Inc	618	3
Liberia	Cellcom Liberia	618	7
Liberia	Comium Liberia	618	4
Liberia	Libercell	618	2
Liberia	Lonestar Communications Corp.	618	1
Libyan Arab Jamahiriya	Al-Madar (Orbit)	606	1
Libyan Arab Jamahiriya	Libyana	606	0
Liechtenstein	Mobilkom Liechtenstein	295	5
Liechtenstein	Orange Liechtenstein	295	2
Liechtenstein	Swisscom (Schweiz)	295	1
Liechtenstein	Tele2 Liechtenstein	295	77
Lithuania	Tele2 Lithuania	246	3
Lithuania	UAB Bite Lietuva	246	2
Lithuania	UAB Omnitel	246	1
Luxembourg	EPT	270	1
Luxembourg	TANGO	270	77
Luxembourg	VOXmobile	270	99
Macau	Companhia de Telecomunicacoes de Macau	455	1
Macau	Hutchison Telephone Macau	455	3
Macau	Smartone Macau	455	0

Madagascar	Celtel Madagascar	646	1
Madagascar	Orange Madagascar	646	2
Madagascar	Sacel Madagascar	646	3
Madagascar	Telecel Madagascar	646	4
Malawi	Celtel Malawi	650	10
Malawi	Telekom Networks Malawi Ltd. (TNM)	650	1
Malaysia	Celcom Malaysia	502	19
Malaysia	DiGi Telecom Malaysia	502	16
Malaysia	Maxis Mobile	502	12
Malaysia	MTX Malaysia	502	11
Malaysia	U Mobile Malaysia	502	18
Maldives	Dhiraagu	472	1
Maldives	Wmobile (Wataniya Telecom)	472	2
Mali	Orange Mali	610	2
Mali	Sotelma	610	1
Malta	GO Malta	278	21
Malta	Melita	278	77
Malta	Vodafone Malta	278	1
Martinique	Digicel Antilles Francaises Guyane Martinique	341	20
Martinique	Orange Caraibe Mobiles Martinique	341	1
Martinique	Outremer Telecom Martinique	341	2
Mauritania	Mattel Mauritania	609	1
Mauritania	Mauritel Mobiles	609	10
Mauritius	Cell Plus Mauritius	617	1
Mauritius	Emtel Mauritius	617	10
Mauritius	Mahanagar Telephone Mauritius Ltd	617	2
Mexico	America Movil	334	2
Mexico	Iusacell	334	4
Mexico	Pegaso Comunicaciones y Sistemas	334	3
Micronesia, Federated States of	FSM Telecommunication Corporation	550	1
Moldova	Eventis Mobile Moldova	259	4
Moldova	MoldCell	259	2
Moldova	Moldtelecom	259	3
Moldova	Orange Moldova	259	1
Monaco	Monaco Telecom	212	1
Mongolia	MobiCom Mongolia	428	99
Mongolia	Skytel Mongolia	428	91
Mongolia	Unitel Mongolia	428	88
Montenegro	MTEL	297	3
Montenegro	ProMonte GSM	297	2
Montenegro	T-Mobile Montenegro LLC	297	4
Montserrat	Cable & Wireless West Indies Ltd (Montserrat)	354	860
Morocco	Itissalat Al-Maghrib	604	1
Morocco	Medi Telecom	604	0
Morocco	Wana (Maroc Connect)	604	2
Mozambique	Mcel Mozambique	643	1
Mozambique	Vodacom Mozambique	643	4

Myanmar	Myanmar Posts and Telecommunications (MPT)	414	1
Namibia	Mobile Telecommunications (MTC) Namibia	649	1
Namibia	Powercom Namibia	649	3
Nepal	Nepal Telecom	429	1
Nepal	Spice Nepal	429	2
Netherlands	6GMOBILE	204	14
Netherlands	Barablu Mobile Benelux Netherlands	204	6
Netherlands	Blyk Netherlands	204	3
Netherlands	Elephant Talk Netherlands	204	5
Netherlands	KPN Netherlands	204	8
Netherlands	Lycamobile Netherlands	204	9
Netherlands	Orange Business Netherlands	204	20
Netherlands	T-Mobile Netherlands	204	16
Netherlands	Tele2 Netherlands	204	2
Netherlands	Teleena Holding	204	7
Netherlands	Telfort Netherlands	204	12
Netherlands	Vodafone Libertel Netherlands	204	4
Netherlands Antilles	Digicel Netherlands Antilles	362	69
Netherlands Antilles	Telcell Netherlands Antilles	362	51
Netherlands Antilles	UTS Wireless Curacao Netherlands Antilles	362	91
New Caledonia	Mobilis New Caledonia	546	1
New Zealand	Telecom New Zealand	530	5
New Zealand	TelstraClear	530	4
New Zealand	Two Degrees Mobile	530	24
New Zealand	Vodafone New Zealand	530	1
Nicaragua	Claro Nicaragua	710	21
Nicaragua	Empresa Nicaraguense de Telecomunicaciones S.A. - ENITEL (CLARO NIC)	710	73
Nicaragua	Movistar Nicaragua	710	300
Niger	Celtel Niger	614	2
Niger	Orange	614	4
Niger	Sahelcom	614	1
Niger	Telecel Niger	614	3
Nigeria	Celtel Nigeria Limited	621	20
Nigeria	EMTS (Etisalat) Nigeria	621	60
Nigeria	Globacom Nigeria	621	50
Nigeria	MTN Nigeria	621	30
Nigeria	Nigerian Telecom	621	40
Norway	Mundio Mobile Norway	242	9
Norway	NetCom GSM	242	2
Norway	Network Norway	242	5
Norway	TDC Mobile	242	8
Norway	Tele2 Norway	242	4
Norway	Telenor Norway	242	1
Norway	Teletopia Gruppen	242	3
Norway	Ventelo Company	242	7
Oman	Nawras	422	3
Oman	Oman Mobile	422	2

Pakistan	Mobilink GSM Pakistan	410	1
Pakistan	Paktel	410	4
Pakistan	Telenor Pakistan	410	6
Pakistan	Ufone	410	3
Pakistan	Warid Telecommunication Pakistan	410	7
Palau	Palau Mobile Corporation (PMC)	552	80
Palau	Palau National Communications Corporation (PNCC)	552	1
Palestine/Israel	Cellcom	425	2
Palestine/Israel	Jawwal	425	5
Palestine/Israel	Mirs	425	77
Palestine/Israel	Partner	425	1
Palestine/Israel	Pelephone	425	3
Palestine/Israel	Wataniya	425	6
Panama	Cable & Wireless Panama	714	1
Panama	Claro Panama	714	3
Panama	Digicel Panama	714	4
Panama	Telefonica Moviles Panama	714	20
Papua New Guinea	Digicel (PNG) Ltd	537	3
Papua New Guinea	Pacific Mobile Comms (PMC)	537	1
Paraguay	Claro Paraguay	744	2
Paraguay	Personal Paraguay	744	5
Paraguay	Telecel - Tigo Paraguay	744	4
Paraguay	VOX Paraguay	744	1
Peru	America Movil Peru (Claro)	716	10
Peru	Nextel del Peru S.A.	716	7
Peru	Telefonica del Peru Moviles	716	6
Philippines	Digitel	515	5
Philippines	Globe Telecom	515	2
Philippines	Islacom	515	1
Philippines	Philippines Next Mobile (Nextel)	515	88
Philippines	Red Mobile	515	18
Philippines	SMART Communications	515	3
Poland	Netia Mobile Sp. z o.o.	260	6
Poland	Nordisk Poland	260	11
Poland	POLKOMTEL S.A.	260	1
Poland	Polska Telefonía Cyfrowa Sp. z o.o. (PTC)	260	2
Poland	PTK Centertel (NMT450)	260	3
Poland	SFERIA S.A.	260	10
Portugal	OniWay	268	5
Portugal	Optimus - Comunicacoes	268	3
Portugal	TMN - TELECOMUNICACOES MOVEIS NACIONAIS	268	6
Portugal	VODAFONE COMUNICACOES	268	1
Puerto Rico	AT&T Mobility Puerto Rico	330	30
Puerto Rico	Puerto Rico Telephone Company (Claro GSM / Verizon)	330	12
Puerto Rico	Sprint Spectrum	330	20
Puerto Rico	T-Mobile Puerto Rico	330	490
Qatar	Q-Tel	427	1
Qatar	Vodafone Qatar	427	2

Reunion	Orange Reunion	647	0
Reunion	Outremer Telecom Reunion	647	2
Reunion	Societe Reunionnaise du Radiotelephone	647	10
Romania	Cosmote Romania Mobile Telecommunications	226	3
Romania	Digi.mobil	226	5
Romania	Orange Romania	226	10
Romania	Vodafone Romania	226	1
Romania	Zapp Mobile	226	4
Russian Federation	Baykalwestcom	250	12
Russian Federation	Don Telecom (MTS)	250	10
Russian Federation	Ekaterinburg 2000 (MOTIV)	250	35
Russian Federation	Ermak RMS /UTEL(JSC Uralsvyazinform)	250	17
Russian Federation	Extel	250	28
Russian Federation	Kuban-GSM	250	13
Russian Federation	Mobicom Novosibirsk	250	23
Russian Federation	Mobile Communication System - Povolzhie	250	2
Russian Federation	Mobile TeleSystems	250	1
Russian Federation	New Telephone Company	250	16
Russian Federation	Nizhegorodskaya Cellular Communications	250	3
Russian Federation	Orensot	250	11
Russian Federation	Primtelefon	250	92
Russian Federation	Siberian Cellular Communications	250	5
Russian Federation	SMARTS	250	7
Russian Federation	StavTeleSot	250	44
Russian Federation	Tele2 Russian Federation	250	20
Russian Federation	Uralsvyazinform	250	39
Russian Federation	VimpelCom	250	99
Russian Federation	Volgograd Mobile	250	19
Rwanda	MTN Rwanda	635	10
Rwanda	Rwandatel	635	12
Saint Lucia	Cable & Wireless (St. Lucia)	358	110
Saint Lucia	Digicel (St Lucia) Limited	358	50
Samoa	Digicel Samoa	549	1
Samoa	SamoaTel	549	27
San Marino	Telecom Italia San Marino	292	1
Sao Tome and Principe	Companhia Santomese de Telecomunicacoes (CST)	626	1
Saudi Arabia	Etihad Etisalat Company (Mobily)	420	3
Saudi Arabia	Saudi Telecom Company (STC)	420	1
Saudi Arabia	ZAIN Saudi Arabia	420	4
Senegal	Expresso Senegal	608	3
Senegal	Sonatel	608	1
Senegal	Tigo (Sentel)	608	2
Serbia	Telekom Srbija a.d.	220	3
Serbia	Telenor d.o.o.	220	1
Serbia	Vip mobile d.o.o.	220	5
Seychelles	Cable & Wireless Seychelles	633	1
Seychelles	MediaTech Seychelles	633	2
Seychelles	Telecom Seychelles	633	10

Sierra Leone	Africell Sierra Leone	619	3
Sierra Leone	Comium (SL) Ltd	619	4
Sierra Leone	Lintel	619	5
Sierra Leone	Tigo Sierra Leone	619	2
Sierra Leone	Zain Sierra Leone	619	1
Singapore	MobileOne	525	3
Singapore	SingTel	525	1
Singapore	StarHub Mobile	525	5
Slovakia	Orange Slovakia	231	1
Slovakia	T-Mobile Slovakia	231	2
Slovakia	Telefonica O2	231	6
Slovenia	Mobitel Slovakia	293	41
Slovenia	Si.Mobil-Vodafone	293	40
Slovenia	T-2	293	64
Slovenia	TUS Telekom	293	70
Solomon Islands	Solomon Telekom Company	540	1
Somalia	Golis	637	30
Somalia	Hortel	637	25
Somalia	Nationlink	637	10
Somalia	SolTelco	637	19
Somalia	Somafone	637	4
Somalia	SomTel	637	71
Somalia	Telcom Somalia	637	82
Somalia	Telesom	637	1
South Africa	CELL C South Africa	655	7
South Africa	MTN South Africa	655	10
South Africa	Vodacom South Africa	655	1
Spain	Bt Espana Compania De Servicios Globales De Telecomunicaciones	214	15
Spain	Euskaltel	214	8
Spain	France Telecom Espana	214	3
Spain	Lleida Networks Serveis Telematics	214	26
Spain	ONO Spain	214	18
Spain	R Spain	214	17
Spain	Telecable De Asturias	214	16
Spain	Telefonica Moviles Espana	214	7
Spain	Vodafone Espana	214	1
Spain	Xfera Moviles	214	4
Sri Lanka	Bharti Airtel Lanka (Pvt) Ltd	413	5
Sri Lanka	Celltel Sri Lanka	413	3
Sri Lanka	Hutchison Sri Lanka	413	8
Sri Lanka	MTN Dialog	413	2
Sri Lanka	Sri Lanka Telecom Ltd.	413	1
Sudan	Areeba Sudan	634	2
Sudan	Mobitel Sudan	634	1
Sudan	Sudan Telecommunications Company (Sudani One)	634	7
Sudan	Vivacell Sudan	634	5
Suriname	Digicel Suriname	746	3

Suriname	Telesur	746	2
Swaziland	Swazi MTN	653	10
Sweden	42IT	240	16
Sweden	Djuice Mobile Sweden	240	9
Sweden	Gotalandsnatet	240	17
Sweden	H3G Access	240	2
Sweden	iMEZ	240	20
Sweden	Nordisk Mobiltelefon	240	3
Sweden	Spinbox	240	14
Sweden	Swefour	240	10
Sweden	Tele2 Sverige	240	7
Sweden	Telenor Sverige AB	240	8
Sweden	TeliaSonera AB	240	1
Sweden	Wireless Maingate	240	15
Switzerland	Bebbicell AG	228	51
Switzerland	In&Phone SA	228	7
Switzerland	Orange Switzerland	228	3
Switzerland	Sunrise Communications AG	228	2
Switzerland	Swisscom Mobile AG	228	1
Switzerland	Tele2 Telecommunication Services AG	228	8
Syrian Arab Republic	MTN Syria	417	2
Syrian Arab Republic	Syriatel	417	1
Taiwan	Chunghwa Telecom LDM	466	92
Taiwan	Far EasTone	466	1
Taiwan	KG Telecom	466	88
Taiwan	Mobitai	466	93
Taiwan	Taiwan Cellular Corporation	466	97
Taiwan	TransAsia	466	99
Taiwan	VIBO Telecom Inc	466	89
Tajikistan	Babilon Mobile	436	4
Tajikistan	INDIGO	436	2
Tajikistan	Somoncom	436	1
Tajikistan	Tajik Tel	436	5
Tajikistan	TT-Mobile	436	3
Tanzania, United Republic of	Celtel (T) Ltd.	640	5
Tanzania, United Republic of	MIC (T) Ltd.	640	2
Tanzania, United Republic of	Vodacom (T) Ltd.	640	4
Tanzania, United Republic of	Zantel	640	3
Thailand	ACT Mobile Company, Limited (TOT Mobile)	520	15
Thailand	AIS	520	1
Thailand	Digital Phone (Hello/Virtual for AIS)	520	23
Thailand	DTAC	520	18
Thailand	True Move	520	99
Timor Leste	Timor Telecom	514	2
Togo	Atlantique Telecom	615	3
Togo	Togocel	615	1
Tonga	Tonfon	539	43
Tonga	U-Call	539	1

Trinidad and Tobago	Digicel (Trinidad & Tobago)	374	130
Trinidad and Tobago	Telecommunications Services of Trinidad and Tobago (TSTT)	374	12
Tunisia	Orange Tunisia	605	1
Tunisia	Orascom Tunisia	605	3
Tunisia	Telecom Tunisia	605	2
Turkey	AVEA (Aria)	286	3
Turkey	AVEA (Aycell)	286	4
Turkey	Turkcell	286	1
Turkey	Vodafone Turkey	286	2
Turkmenistan	Altyn Asyr	438	2
Turkmenistan	Barash Communication Technologies INC (BCTI)	438	1
Turks and Caicos Islands	Cable & Wireless Turks and Caicos Islands	376	350
Turks and Caicos Islands	Digicel Turks and Caicos Islands	376	50
Uganda	Celtel Uganda	641	1
Uganda	MTN Uganda	641	10
Uganda	Uganda Telecom Ltd	641	11
Uganda	Warid Telecom Uganda	641	22
Ukraine	Astelit (Life)	255	6
Ukraine	Golden Telecom	255	5
Ukraine	Kyivstar	255	3
Ukraine	Telesystems Ukraine(CDMA)	255	21
Ukraine	Ukrainian Mobile Communications (UMC)	255	1
Ukraine	Ukrainian Radio Systems	255	2
Ukraine	Ukrtelecom UMTS	255	7
United Arab Emirates	du	424	3
United Arab Emirates	Etisalat United Arab Emirates	424	2
United Kingdom	BT	234	0
United Kingdom	Cable & Wireless UK	234	7
United Kingdom	Cable and Wireless Guernsey	234	55
United Kingdom	Cloud9	234	18
United Kingdom	FleXtel	234	17
United Kingdom	Inquam Telecom (Holdings)	234	75
United Kingdom	Jersey Airtel	234	3
United Kingdom	Jersey Telecom GSM	234	50
United Kingdom	Lycamobile UK	234	26
United Kingdom	Manx Telecom	234	58
United Kingdom	Mapesbury Communications	234	1
United Kingdom	O2 UK	234	10
United Kingdom	OnePhone UK	234	8
United Kingdom	Opal Telecom	234	16
United Kingdom	Orange UK	234	33
United Kingdom	T-Mobile UK	234	30
United Kingdom	Teleware	234	19
United Kingdom	Three UK	234	20
United Kingdom	Vodafone UK	234	15
Uruguay	America Movil Wireless Uruguay S.A.	748	10
Uruguay	Antel (Ancel)	748	1
Uruguay	Telefonica Moviles Uruguay	748	7

USA	Advantage Cellular	310	880
USA	Airadigm Communications	310	640
USA	Alaska Digitel	310	430
USA	Alltel Communications Inc	310	590
USA	AT&T Mobility (Dobson)	310	560
USA	AT&T Mobility USA	310	410
USA	Caprock Cellular	310	830
USA	Cellcom USA	310	600
USA	Cellular One of NE Arizona	310	320
USA	Centennial Wireless	310	30
USA	Choice Wireless	310	630
USA	Cincinnati Bell Wireless	310	420
USA	Corr Wireless Communications	310	80
USA	Cricket Communications	310	16
USA	Globalstar USA	310	970
USA	Iowa Wireless Services	310	770
USA	Keystone Wireless	310	690
USA	Mohave Wireless	310	350
USA	Oklahoma Western Telephone Company	310	540
USA	PTSI	310	760
USA	T-Mobile (SunCom)	310	490
USA	T-Mobile USA	310	260
USA	TMP Corporation	310	460
USA	Unicel Rural Cellular Corporation	310	890
USA	Union Telephone Company	310	20
USA	United Wireless Communications	310	440
USA	Verizon Wireless	310	12
USA	XIT Cellular	310	950
Uzbekistan	Buztel	434	1
Uzbekistan	Coscom	434	5
Uzbekistan	Perfectum Mobile	434	6
Uzbekistan	Unitel Uzbekistan	434	4
Uzbekistan	Uzdunrobita	434	7
Uzbekistan	Uzmacom	434	2
Vanuatu	Digicel Vanuatu	541	5
Vanuatu	Telecom Vanuatu	541	1
Venezuela	DIGITEL (Consortio Elca)	734	3
Venezuela	Digitel (ex. Infonet)	734	1
Venezuela	Digitel Venezuela	734	2
Venezuela	Movilnet	734	6
Venezuela	Movistar Venezuela	734	4
Vietnam	MobiFon Vietnam	452	1
Vietnam	Viettel Mobile	452	4
Vietnam	VinaPhone	452	2
Virgin Islands British	Cable & Wireless (West Indies)	348	170
Virgin Islands British	Cable & Wireless Virgin Islands British	348	570
Virgin Islands British	Digicel Ltd Virgin Islands British	348	770
Yemen	Sabafon	421	1

Yemen	Spacetel - Yemen (MTN)	421	2
Yemen	Y - Telecom	421	4
Zambia	Celtel Zambia	645	1
Zambia	Telecel Zambia	645	2
Zambia	Zamtel	645	3
Zimbabwe	Econet Zimbabwe	648	4
Zimbabwe	NetOne Zimbabwe	648	1
Zimbabwe	Telecel Zimbabwe	648	3

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