

GSMA Roaming Database

IR.21 Data

RAEX IR.21 Information

Creation date:	2020-08-05
Creation time:	22:03:58+02:00
File type:	IR.21
Sender TADIG:	ARGTP
Publish Comment:	ARGTP
TADIG-GEN schema version:	2.4
RAEX-IR.21 schema version:	13.1

ORGANISATION INFORMATION

Section ID: 1 (Mandatory)

Organisation name:	Telecom Argentina S.A.
Country initials:	ARG

			(5434990140;5434990141;5434990147;541151740047;543499014
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TADIG Code	Section ID	Section	Date	Description
ARGTP	21	Contact Information	2017-10-20	contacts
ARGTP	21	Contact Information	2017-10-20	NOC escalation
ARGVO	21	Contact Information	2017-10-20	Contacts
ARGTP	17	IP Roaming/Networking Information	2017-10-19	DELETE DNS 190.224.101.33 and 190.224.101.34
ARGTP	17	IP Roaming/Networking Information	2017-10-19	Remove TIS GRX provider
ARGTP	5	International SCCP Gateway	2017-09-01	NEW CARRIER COMFONE (DELETE TIS from your NETWORK)
ARGTP	20	LTE Roaming Information	2017-09-01	IPX Provider COMFONE
ARGTP	17	IP Roaming/Networking Information	2017-07-24	TIS GRX Provider will be active Primary until End of July 2017
ARGTP	20	LTE Roaming Information	2017-07-24	New IPX PROVIDER COMFONE (TIS willbe active until End of July 2017)
ARGTP	13	Network Elements Information	2017-07-21	Delete SGW and PGW (GG02MU; GG02BE;SSRRO;PGWSSRROS;SGWSSRROS;PGWSSRCBA;SGWSSRRO
ARGTP	17	IP Roaming/Networking Information	2017-07-21	Put in service DNS1MUN&DNS1CLI&DNS1BEL. the DNS 190.224.101.33&190.224.101.34 will be in service until 20/09/2017
ARGVO	5	International SCCP Gateway	2017-07-10	ADD COMFONE like Primary SCCP Carrier & TIS is a backup until end of july 2017
ARGVO	17	IP Roaming/Networking Information	2017-07-10	ADD IP range backbone
ARGTP	5	International SCCP Gateway	2017-07-07	Point 2.45.4 &2.46.2 BACKUP (until End of July 2017)
ARGTP	17	IP Roaming/Networking Information	2017-07-07	Modification of IP range (add value 181.96.75.0/26;181.96.75.64/27;181.88.119.0/24)
ARGTP	17	IP Roaming/Networking Information	2017-07-07	Modification of IP range (add value 181.96.75.0/26;181.96.75.64/27;181.88.119.0/24)
ARGTP	5	International SCCP Gateway	2017-07-05	COMFONE is our Primary SCCP carrier and TIS is Backup (until End of July 2017)
ARGTP	5	International SCCP Gateway	2017-07-04	COMFONE is our Primary SCCP carrier and TIS is Backup (until End of July 2017)
ARGTP	5	International SCCP Gateway	2017-06-26	NEW SCCP CARRIER - COMFONE
ARGTP	17	IP Roaming/Networking Information	2017-06-26	ADD NEW IP from 181.96.75.73/29 to 181.88.119.196/29
ARGTP	4	Routing Information	2017-06-14	ADD MSRN
ARGTP	4	Routing Information	2017-06-14	ADD MSRN
ARGTP	4	Routing Information	2017-06-14	ADD MSRN
ARGTP	4	Routing Information	2017-06-14	ADD MSRN
ARGTP	4	Routing Information	2017-06-14	ADD NEW MSRN FROM 5435847390 to the END line
ARGTP	4	Routing Information	2017-06-12	ADD NEW MSRN 11415567,11533014, 5423144380&&5423144384
ARGTP	4	Routing Information	2017-04-17	ADD MSRN RANGE
ARGTP	4	Routing Information	2017-04-17	ADD NEW MSRN From 26644720
ARGTP	4	Routing Information	2017-04-17	ADD NEW MSRN RANGE From 5426644720 to 5411708749
ARGTP	4	Routing Information	2017-01-19	Add MSRN from 5423045183 to 543434845
ARGTP	4	Routing Information	2017-01-19	ADD MSRN to line 5411415573
ARGTP	13	Network Elements Information	2016-10-12	New Network Node Huawei
ARGTP	21	Contact Information	2016-10-12	NOC Escalation contact
ARGTP	21	Contact Information	2016-10-12	Contact
ARGTP	21	Contact Information	2016-10-12	NOC Contact
ARGTP	21	Contact Information	2016-10-12	Main Contact
ARGTP	21	Contact Information	2016-10-12	Trobleshooting contact
ARGTP	21	Contact Information	2016-10-12	NOC Contact
ARGTP	21	Contact Information	2016-10-12	Contact NOC
ARGVO	21	Contact Information	2016-10-12	ARGVO Contacts
ARGVO	21	Contact Information	2016-10-12	ARGVO CONTACT

TADIG Code	Section ID	Section	Date	Description
ARGTP	21	Contact Information	2016-10-04	Add Escalation Contact
ARGTP	21	Contact Information	2016-10-04	Escalation contact Troubleshooting
ARGVO	21	Contact Information	2016-10-04	New Contacts
ARGTP	4	Routing Information	2016-10-03	Modify range 54222545200 & 542923596000
ARGTP	4	Routing Information	2016-10-03	ADD MSRN FROM 5434824471 at the end.
ARGTP	13	Network Elements Information	2016-10-03	ADD new nodes MME&PGW
ARGTP	20	LTE Roaming Information	2016-10-03	LTE IPX provider TIS
ARGVO	16	Packet Data Service Information	2016-10-03	Delete APN mnc036.mcc722.gprs and Add mnc361.mcc722.gprs
ARGTP	4	Routing Information	2016-05-18	New MSISDN
ARGTP	4	Routing Information	2016-05-16	NEW MSRN Ranges from 5435634950 to 5435644425
ARGTP	4	Routing Information	2016-04-01	NEW MSRN from this line 54-35847396
ARGTP	21	Contact Information	2016-04-01	NEW TADIG Contact
ARGTP	21	Contact Information	2016-04-01	ADD NEW CONTACT
ARGTP	13	Network Elements Information	2015-12-02	ADD NEW MSC RANGE 5434990400/499 and 5434990500/599
ARGTP	4	Routing Information	2015-11-18	ADD NEWW MSRN RANGS FROM 5435847392 to 5426044623
ARGVO	17	IP Roaming/Networking Information	2015-11-10	Remove DNS0,DNS1,DNS2&DNS3; ADD DNS with IP 190.224.101.33 &190.224.101.34;ADD IP Address range
ARGTP	17	IP Roaming/Networking Information	2015-11-05	DELETE DNS0,DNS1,DNS2,DNS3 with IPs (200.43.139.95;200.43.139.96;200.43.139.114;200.43.139.117)
ARGTP	4	Routing Information	2015-10-07	ADD MSRN from 54-35848970 to 54-11415585
ARGTP	21	Contact Information	2015-10-07	New Contact
ARGTP	4	Routing Information	2015-07-16	ADD MSRN FROM line 5422414014
ARGTP	13	Network Elements Information	2015-06-17	ADD New SMSC
ARGVO	16	Packet Data Service Information	2015-06-17	ADD APN operator identifier by M2M
ARGVO	23	M2M Roaming Information	2015-06-17	ADD APN Network identifier and M2M data
ARGVO	23	M2M Roaming Information	2015-06-17	ADD new APN M2M and sub range IMSI
ARGTP	13	Network Elements Information	2015-05-19	MOD. SGSN IP
ARGTP	17	IP Roaming/Networking Information	2015-05-19	DEL IP 190.225.250.128/27 and ADD 190.225.250.128/29,190.225.250.136/29,190.225.250.144/29
ARGTP	16	Packet Data Service Information	2015-05-05	New APN LTE Operator Identifier
ARGTP	17	IP Roaming/Networking Information	2015-05-05	ADD DNS LTE
ARGTP	20	LTE Roaming Information	2015-05-04	DEA IP
ARGTP	20	LTE Roaming Information	2015-04-30	LTE INFO
ARGTP	20	LTE Roaming Information	2015-04-30	ADD EPC
ARGTP	20	LTE Roaming Information	2015-04-30	ADD IP address DEA
ARGTP	4	Routing Information	2015-04-27	ADD NEW MSRN (11533015 to 28042225)
ARGTP	16	Packet Data Service Information	2015-04-27	NEW APN datos.personal.com
ARGTP	20	LTE Roaming Information	2015-04-13	S9 hostname added by Roamsys
ARGTP	17	IP Roaming/Networking Information	2015-04-10	ADD GRX_LTE provider and DNS by LTE
ARGTP	20	LTE Roaming Information	2015-04-10	ARP data
ARGTP	20	LTE Roaming Information	2015-04-10	Add LTE
ARGTP	13	Network Elements Information	2015-03-13	SGW & PGW
ARGTP	13	Network Elements Information	2015-03-13	ADD Network nodes SGW & PGW
ARGTP	17	IP Roaming/Networking Information	2015-03-13	ADD IP 181.88.119.0/24
ARGTP	4	Routing Information	2015-03-11	Add MSRN from line 5437774400 to line 5429666894
ARGTP	4	Routing Information	2014-10-10	add msisdn
ARGTP	4	Routing Information	2014-10-09	ADD NEW MSRN
ARGTP	4	Routing Information	2014-10-09	ADD NEW MSRN

TADIG Code	Section ID	Section	Date	Description
ARGTP	4	Routing Information	2014-07-08	New MSRN
ARGTP	4	Routing Information	2014-07-08	new mww
ARGTP	4	Routing Information	2014-07-08	New Ranges MSRN
ARGTP	17	IP Roaming/Networking Information	2014-07-02	New GGSN Ranges
ARGTP	4	Routing Information	2014-06-13	dd new MSRN Ranges
ARGTP	17	IP Roaming/Networking Information	2014-06-13	MODIFY /29 BY 190.225.250.128/27
ARGTP	13	Network Elements Information	2014-06-11	ADD NEW NODES SMSC, HLR AND MSC/VLR
ARGTP	4	Routing Information	2014-06-04	pepeasdfasdf
ARGTP	13	Network Elements Information	2014-06-02	Node ID CLI1BC & DAR2BC
ARGTP	13	Network Elements Information	2014-06-02	New nodes MSC/VLR and HLR
ARGTP	13	Network Elements Information	2014-05-14	ADD GT in SGSN
ARGTP	13	Network Elements Information	2014-04-22	modify UTC Time
ARGTP	13	Network Elements Information	2014-04-22	Updating new SGSN nodes and SMSC
ARGTP	17	IP Roaming/Networking Information	2014-04-22	New DNS bring in service on 2014-05-08 (190.224.101.33 & 190.224.101.34)
ARGTP	21	Contact Information	2014-04-22	Add SIM CARD handling
ARGTP	21	Contact Information	2014-04-22	New Distribution Email Address
ARGTP	21	Contact Information	2014-04-22	ADD contact IREG Coordinator
ARGTP	21	Contact Information	2014-04-22	IREG Coordinator
ARGVO	21	Contact Information	2014-04-22	New Distribution List
ARGVO	21	Contact Information	2014-04-22	Add IREG Coordinator
ARGTP	17	IP Roaming/Networking Information	2013-12-17	Resummarize IP /29. Was detected an error in IR21 version 59
ARGTP	17	IP Roaming/Networking Information	2013-12-05	Modify mask of IP /32 to /29
ARGVO	9	Test Numbers Information	2013-12-05	Delete TADIG code
ARGTP	17	IP Roaming/Networking Information	2013-10-24	IP Inter PLNM - modify mask
ARGTP	17	IP Roaming/Networking Information	2013-10-21	IP Interworking chage
ARGTP	4	Routing Information	2013-05-09	CCITT E.164 Number series: MSRN Number Ranges update
ARGTP	21	Contact Information	2013-05-09	IREG Tests: Contacts update
ARGVO	21	Contact Information	2013-05-09	IREG Tests: Contacts update
ARGVO	4	Routing Information	2012-12-07	E.212 update: new IMSI range 72236 (MCC:722 MNC:36)
ARGTP	4	Routing Information	2012-11-10	E.164 new number ranges update: 543704500000 to 543704619999
ARGTP	4	Routing Information	2012-09-25	E.164 new number ranges update: 541124500000 to 541126299999
ARGTP	13	Network Elements Information	2012-09-25	New network node Global Titles: MSC/VLR: 5434990245, SGSN: 541151740065, 541151740066, 541151740067, 541151740068, 5434990265, 543490266, 5434990267 and 5434990268
ARGVO	4	Routing Information	2012-09-25	No changes
ARGVO	13	Network Elements Information	2012-09-25	No changes
ARGVO	21	Contact Information	2012-09-25	New contacts update
ARGTP	21	Contact Information	2012-09-21	New contacts update
ARGTP	4	Routing Information	2012-04-19	ROUTING INFORMATION CCITT E164 Number series and MSRN Number Ranges updates Old NDCs->New NDCs 3833->3834, 3822->3804, 3461->3364, 2293->2494, 2362->2364, 3488->3484, 2322->2304, 3717->3704
ARGTP	13	Network Elements Information	2012-04-19	New network node Global Titles: MSC/VLR: RES1MSS 541151740078, MTD1MSS 541151740046, ANA1MSS 541151740045
ARGTP	13	Network Elements Information	2012-04-19	New network node Global Titles: MSC/VLR: RES1MSS 5434990278, MTD1MSS 5434990246, ANA1MSS 5434990245
ARGTP	13	Network Elements Information	2012-04-19	New network node Global Titles: HLR: CLI1HLR 541151740047

TADIG Code	Section ID	Section	Date	Description
ARGTP	4	Routing Information	2012-04-01	Number portability launch
ARGTP	4	Routing Information	2012-02-14	ROUTING INFORMATION CCITT E164 Number series and MSRN Number Ranges updates Old NDCs->New NDCs 3783->3794, 3722->3624, 3534->3537, 2623->2634, 2627->2604, 3732->3644
ARGVO	4	Routing Information	2012-02-14	ROUTING INFORMATION CCITT E164 Number series and MSRN Number Ranges updates Old NDCs->New NDCs 3783->3794, 3722->3624, 3534->3537, 2623->2634, 2627->2604, 3732->3644
ARGTP	5	International SCCP Gateway	2011-11-24	No changes
ARGTP	8	Subscriber Identity Authentication	2011-06-10	No changes
ARGTP	10	MAP	2011-06-10	No changes
ARGTP	11	MAP Optional Routing	2011-06-10	No changes
ARGTP	12	MAP Inter Operator SMS Enhancement	2011-06-10	No changes
ARGTP	14	USSD Information	2011-06-10	No changes
ARGTP	15	CAMEL Information	2011-06-10	No changes
ARGTP	16	Packet Data Service Information	2011-06-10	No changes
ARGTP	17	IP Roaming/Networking Information	2011-06-10	No changes
ARGTP	21	Contact Information	2011-06-10	No changes
ARGVO	8	Subscriber Identity Authentication	2011-06-10	No changes
ARGVO	10	MAP	2011-06-10	No changes
ARGVO	11	MAP Optional Routing	2011-06-10	No changes
ARGVO	12	MAP Inter Operator SMS Enhancement	2011-06-10	No changes
ARGVO	13	Network Elements Information	2011-06-10	No changes
ARGVO	14	USSD Information	2011-06-10	No changes
ARGVO	15	CAMEL Information	2011-06-10	No changes
ARGVO	16	Packet Data Service Information	2011-06-10	No changes
ARGVO	17	IP Roaming/Networking Information	2011-06-10	No changes
ARGVO	21	Contact Information	2011-06-10	No changes

NETWORK

TADIG code: ARGTP

Section ID: 2 (Mandatory, Repeating)

TADIG code:	ARGTP
Network name:	TELECOM PERSONAL
Network type:	Terrestrial
Technology:	Frequency list:
2G-GSM frequencies:	GSM 850, PCS 1900
3G-UTRA/FDD frequencies:	5 - 850 MHz, 2 - PCS 1900, 8 - 900 MHz
3G-UTRA/TDD frequencies:	Unsupported
4G-E-UTRAN frequencies:	4 - AWS, 28 - 700 MHz APAC, 2 - PCS 1900, 8 - 900 MHz, 7 - 2.6 GHz
4G-E-UTRAN-MIoT-LTE-M frequencies:	Unsupported
4G-E-UTRAN-MIoT-NB-IoT frequencies:	Unsupported
MIoT-NB-IoT deployment modes:	Unsupported
Presentation of country initials and MNN:	ARG
Abbreviated MNN:	ARGTP

NETWORK INFORMATION

TADIG code: ARGTP
Section ID: 3 (Mandatory)

The following information refer to the network identified by TADIG code ARGTP

ROUTING INFORMATION

TADIG code: ARGTP

Section ID: 4 (Mandatory)

Effective date of change: 2019-12-23

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	112	0490000	0490999				
	54	112	4500000	6299999				
	54	113	0000000	1399999				
	54	113	3760000	5259999				
	54	113	7159100	7159199				
	54	113	7470000	7470999				
	54	114	0300000	0319999				
	54	114	0310000	0319999				
	54	114	0370000	0389999				
	54	114	0370000	0389999				
	54	114	0500000	0549999				
	54	114	0540000	0591999				
	54	114	0560000	0599999				
	54	114	0630000	0639999				
	54	114	0630000	0639999				
	54	114	0910000	0929999				
	54	114	0950000	0979999				
	54	114	0990000	0999999				
	54	114	1400000	1499999				
	54	114	1556000	1558999				
	54	114	1800000	1899999				
	54	114	4200000	4299999				
	54	114	4700000	4759999				
	54	114	4770000	4799999				
	54	114	4900000	4999999				
	54	114	5260000	5269999				
	54	114	5280000	5289999				
	54	114	5300000	5349999				
	54	114	5360000	5409999				
	54	114	5500000	5509999				
	54	114	5570000	5659999				
	54	114	5690000	5699999				
	54	114	5770000	5799999				
	54	115	1000000	1239999				
	54	115	1740000	1819999				
	54	115	2200000	2219999				
	54	115	2290000	2299999				
	54	115	2570000	2579999				
	54	115	2590000	2629999				
	54	115	3300000	3304999				
	54	115	3315000	3319999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	115	3390000	3399999				
	54	115	3410000	3419999				
	54	115	3440000	3489999				
	54	115	3690000	3699999				
	54	115	3740000	3799999				
	54	115	3830000	3899999				
	54	115	4250000	4259999				
	54	115	4640000	4799999				
	54	115	4810000	4829999				
	54	115	5230000	5299999				
	54	115	5600000	5699999				
	54	115	6060000	6079999				
	54	115	6090000	6099999				
	54	115	6160000	6199999				
	54	115	6300000	6309999				
	54	115	6320000	6399999				
	54	115	7470000	7669999				
	54	115	8400000	8539999				
	54	116	0410000	0599999				
	54	116	0410000	0599999				
	54	116	0990000	0999999				
	54	116	0990000	1089999				
	54	116	1000000	1089999				
	54	116	1100000	1199999				
	54	116	2410000	2609999				
	54	116	2620000	2859999				
	54	116	4400000	4899999				
	54	116	5510000	5809999				
	54	116	5820000	6319999				
	54	116	7900000	8099999				
	54	116	8440000	8939999				
	54	116	9540000	9839999				
	54	116	9950000	9999999				
	54	220	4780000	4799999				
	54	221	4090000	4099999				
	54	221	4280000	4289999				
	54	221	4380000	4389999				
	54	221	4400000	4409999				
	54	221	4545000	4549999				
	54	221	4650000	4659999				
	54	221	4670000	4679999				
	54	221	4810000	4819999				
	54	221	4850000	4859999				
	54	221	4880000	4889999				
	54	221	4970000	4979999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	221	5100000	5104999				
	54	221	5110000	5119999				
	54	221	5580000	5599999				
	54	221	5610000	5619999				
	54	221	5680000	5699999				
	54	221	5760000	5779999				
	54	221	5790000	5799999				
	54	221	5850000	5869999				
	54	221	5940000	5989999				
	54	221	6030000	6049999				
	54	221	6060000	6099999				
	54	221	6270000	6369999				
	54	221	6600000	6609999				
	54	221	6800000	6929999				
	54	222	3420000	3421999				
	54	222	3470000	3477999				
	54	222	3488000	3488999				
	54	222	3530000	3531999				
	54	222	4452000	4452999				
	54	222	4509000	4509999				
	54	222	4510000	4519999				
	54	222	4529000	4529999				
	54	222	4575000	4576999				
	54	222	5435000	5444999				
	54	222	5452000	5453999				
	54	222	5500000	5501999				
	54	222	5510000	5519999				
	54	222	6460000	6469999				
	54	222	6485000	6485999				
	54	222	6570000	6579999				
	54	222	6592000	6593999				
	54	222	7401000	7409999				
	54	222	7498000	7498999				
	54	222	7565000	7568999				
	54	222	7595000	7599999				
	54	222	9470000	9474999				
	54	223	4250000	4259999				
	54	223	4604000	4604999				
	54	223	4607000	4607999				
	54	223	4660000	4669999				
	54	223	5000000	5000999				
	54	223	5007000	5007999				
	54	223	5160000	5179999				
	54	223	5300000	5349999				
	54	223	5480000	5489999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	223	5520000	5539999				
	54	223	5550000	5599999				
	54	223	5670000	5749999				
	54	223	6050000	6149999				
	54	223	6500000	6504999				
	54	223	6510000	6519999				
	54	223	6700000	6799999				
	54	224	1401000	1401999				
	54	224	1410000	1419999				
	54	224	1503000	1504999				
	54	224	1520000	1525999				
	54	224	1574000	1575999				
	54	224	1593000	1597999				
	54	224	2405000	2409999				
	54	224	3418000	3422999				
	54	224	3431000	3432999				
	54	224	4412000	4419999				
	54	224	4477000	4482999				
	54	224	4500000	4501999				
	54	224	4518000	4519999				
	54	224	5419000	5419999				
	54	224	5430000	5439999				
	54	224	5519000	5521999				
	54	224	5540000	5549999				
	54	224	5550000	5551999				
	54	224	5561000	5561999				
	54	224	6442000	6443999				
	54	224	6448000	6451999				
	54	224	6455000	6460999				
	54	224	6464000	6483999				
	54	224	6490000	6493999				
	54	224	6512000	6516999				
	54	225	2415000	2415999				
	54	225	2449000	2453999				
	54	225	2470000	2475999				
	54	225	2480000	2483999				
	54	225	2490000	2490999				
	54	225	2497000	2497999				
	54	225	4421000	4421999				
	54	225	4427000	4429999				
	54	225	4440000	4449999				
	54	225	4520000	4529999				
	54	225	4540000	4549999				
	54	225	4550000	4559999				
	54	225	5402000	5402999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	225	5420000	5429999				
	54	225	5520000	5526999				
	54	225	5570000	5579999				
	54	225	5580000	5589999				
	54	225	7300000	7305999				
	54	225	7410000	7419999				
	54	225	7452000	7452999				
	54	225	7454000	7454999				
	54	225	7510000	7512999				
	54	225	7620000	7629999				
	54	225	7640000	7641999				
	54	225	7655000	7659999				
	54	225	7680000	7689999				
	54	226	1415000	1419999				
	54	226	2320000	2329999				
	54	226	2340000	2349999				
	54	226	2462000	2462999				
	54	226	2540000	2549999				
	54	226	2596000	2608999				
	54	226	2611000	2611999				
	54	226	2661000	2675999				
	54	226	4415000	4419999				
	54	226	5440000	5444999				
	54	226	6452000	6452999				
	54	226	6460000	6462999				
	54	226	6465000	6469999				
	54	226	6474000	6474999				
	54	226	6477000	6477999				
	54	226	6500000	6507999				
	54	226	6510000	6512999				
	54	226	6570000	6579999				
	54	226	6580000	6589999				
	54	226	7410000	7415999				
	54	226	7455000	7459999				
	54	226	7467000	7467999				
	54	226	7476000	7477999				
	54	226	7543000	7547999				
	54	226	8410000	8414999				
	54	226	8419000	8419999				
	54	226	8446000	8449999				
	54	227	1435000	1439999				
	54	227	2405000	2409999				
	54	227	3420000	3421999				
	54	227	3423000	3425999				
	54	227	3428000	3432999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	227	3437000	3437999				
	54	227	3450000	3453999				
	54	228	1452000	1452999				
	54	228	1503000	1509999				
	54	228	1520000	1529999				
	54	228	1558000	1560999				
	54	228	1600000	1613999				
	54	228	1670000	1679999				
	54	228	1685000	1698999				
	54	228	4204000	4212999				
	54	228	4310000	4331999				
	54	228	4380000	4389999				
	54	228	4462000	4462999				
	54	228	4494000	4494999				
	54	228	4520000	4529999				
	54	228	4590000	4599999				
	54	228	4619000	4629999				
	54	228	4640000	4649999				
	54	228	5414000	5418999				
	54	228	6415000	6419999				
	54	229	1467000	1472999				
	54	229	1500000	1503999				
	54	229	1530000	1539999				
	54	229	1545000	1549999				
	54	229	2405000	2409999				
	54	229	2415000	2415999				
	54	229	2420000	2422999				
	54	229	6405000	6405999				
	54	229	6410000	6418999				
	54	229	6423000	6429999				
	54	229	7403000	7407999				
	54	230	2382000	2388999				
	54	230	2452000	2452999				
	54	230	2500000	2504999				
	54	230	2650000	2659999				
	54	230	4220000	4224999				
	54	230	4246000	4247999				
	54	230	4250000	4259999				
	54	230	4347000	4349999				
	54	230	4362000	4370999				
	54	230	4510000	4512999				
	54	230	4518000	4518999				
	54	230	4550000	4559999				
	54	230	4570000	4579999				
	54	231	4415000	4419999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	231	4438000	4438999				
	54	231	4480000	4482999				
	54	231	4546000	4547999				
	54	231	6404000	6408999				
	54	231	7460000	7461999				
	54	231	7466000	7470999				
	54	231	7500000	7503999				
	54	231	7540000	7545999				
	54	231	7565000	7569999				
	54	231	7586000	7599999				
	54	232	0305000	0319999				
	54	232	0305000	0329999				
	54	232	0356000	0358999				
	54	232	0615000	0619999				
	54	232	0615000	0619999				
	54	232	0697000	0699999				
	54	232	0697000	0699999				
	54	232	3338000	3359999				
	54	232	3485000	3485999				
	54	232	3502000	3502999				
	54	232	3530000	3539999				
	54	232	3550000	3559999				
	54	232	3601000	3603999				
	54	232	3608000	3613999				
	54	232	3621000	3628999				
	54	232	3630000	3637999				
	54	232	3653000	3674999				
	54	232	4452000	4452999				
	54	232	4498000	4499999				
	54	232	4520000	4539999				
	54	232	4545000	4549999				
	54	232	4565000	4567999				
	54	232	4570000	4579999				
	54	232	4630000	4639999				
	54	232	4660000	4669999				
	54	232	4688000	4689999				
	54	232	5407000	5408999				
	54	232	5416000	5419999				
	54	232	5423000	5433999				
	54	232	5456000	5456999				
	54	232	5520000	5526999				
	54	232	6426000	6430999				
	54	232	6436000	6441999				
	54	233	3405000	3405999				
	54	233	3410000	3412999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	233	3418000	3428999				
	54	233	5404000	5408999				
	54	233	7411000	7415999				
	54	234	2448000	2449999				
	54	234	2486000	2487999				
	54	234	2500000	2503999				
	54	234	2517000	2523999				
	54	234	2549000	2553999				
	54	234	3404000	3408999				
	54	234	4410000	4419999				
	54	234	4424000	4425999				
	54	234	4435000	4436999				
	54	234	4437000	4437999				
	54	234	4460000	4465999				
	54	234	4494000	4494999				
	54	234	4499000	4499999				
	54	234	4507000	4519999				
	54	234	5400000	5409999				
	54	234	5452000	5452999				
	54	234	5470000	5475999				
	54	234	5536000	5545999				
	54	234	6306000	6307999				
	54	234	6452000	6452999				
	54	234	6520000	6529999				
	54	234	6532000	6536999				
	54	234	6570000	6573999				
	54	234	6576000	6581999				
	54	234	6586000	6586999				
	54	234	6603000	6613999				
	54	234	6660000	6669999				
	54	234	6670000	6679999				
	54	235	2445000	2449999				
	54	235	2475000	2479999				
	54	235	2500000	2503999				
	54	235	2515000	2519999				
	54	235	2540000	2549999				
	54	235	3418000	3422999				
	54	235	4411000	4412999				
	54	235	4417000	4418999				
	54	235	4430000	4435999				
	54	235	4436000	4437999				
	54	235	5400000	5409999				
	54	235	5452000	5452999				
	54	235	5467000	5471999				
	54	235	5535000	5541999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	235	5561000	5565999				
	54	235	5588000	5591999				
	54	235	6403000	6405999				
	54	235	6410000	6416999				
	54	235	6430000	6431999				
	54	235	7403000	7407999				
	54	235	8405000	8409999				
	54	235	8414000	8419999				
	54	235	8424000	8426999				
	54	236	4240000	4249999				
	54	236	4270000	4289999				
	54	236	4292000	4292999				
	54	236	4308000	4314999				
	54	236	4320000	4322999				
	54	236	4324000	4333999				
	54	236	4338000	4340999				
	54	236	4375000	4399999				
	54	236	4462000	4462999				
	54	236	4520000	4529999				
	54	236	4610000	4619999				
	54	236	4685000	4689999				
	54	237	4276000	4277999				
	54	237	4297000	4298999				
	54	237	4902000	4902999				
	54	239	2460000	2469999				
	54	239	2485000	2485999				
	54	239	2575000	2578999				
	54	239	2693000	2698999				
	54	239	3403000	3407999				
	54	239	4440000	4444999				
	54	239	5410000	5411999				
	54	239	5415000	5417999				
	54	239	5426000	5430999				
	54	239	6444000	6447999				
	54	239	6450000	6455999				
	54	239	6462000	6462999				
	54	239	6520000	6522999				
	54	239	6530000	6539999				
	54	239	6590000	6592999				
	54	247	3412000	3413999				
	54	247	3457000	3459999				
	54	247	3510000	3514999				
	54	247	3537000	3541999				
	54	247	4407000	4408999				
	54	247	4479000	4483999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	247	4490000	4490999				
	54	247	4505000	4509999				
	54	247	4525000	4529999				
	54	247	5414000	5423999				
	54	247	5491000	5495999				
	54	247	7200000	7209999				
	54	247	7220000	7239999				
	54	247	7366000	7374999				
	54	247	7462000	7462999				
	54	247	7510000	7519999				
	54	247	7609000	7609999				
	54	247	7650000	7658999				
	54	247	7670000	7679999				
	54	247	7691000	7697999				
	54	247	8420000	8429999				
	54	247	8497000	8497999				
	54	247	8523000	8525999				
	54	247	8547000	8548999				
	54	247	8565000	8571999				
	54	249	4250000	4259999				
	54	249	4280000	4289999				
	54	249	4362000	4379999				
	54	249	4462000	4462999				
	54	249	4520000	4529999				
	54	249	4610000	4619999				
	54	249	4650000	4659999				
	54	249	4675000	4678999				
	54	249	4680000	4689999				
	54	260	4066000	4067999				
	54	260	4285000	4299999				
	54	260	4315000	4315999				
	54	260	4327000	4329999				
	54	260	4360000	4380999				
	54	260	4380000	4381999				
	54	260	4381000	4382999				
	54	260	4382000	4382999				
	54	260	4462000	4463999				
	54	260	4500000	4512999				
	54	260	4615000	4616999				
	54	260	4642000	4644999				
	54	261	2130000	2149999				
	54	261	2300000	2399999				
	54	261	3080000	3329999				
	54	261	3990000	3999999				
	54	261	4558000	4559999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	261	4809000	4809999				
	54	261	4906000	4906999				
	54	261	4994000	4996999				
	54	261	4998000	5059999				
	54	261	5660000	5679999				
	54	261	5760000	5779999				
	54	261	6000000	6029999				
	54	261	6040000	6089999				
	54	261	6200000	6279999				
	54	261	6289000	6289999				
	54	261	6320000	6389999				
	54	261	6420000	6499999				
	54	261	6690000	6789999				
	54	261	6880000	6899999				
	54	262	2324000	2325999				
	54	262	2445000	2449999				
	54	262	2500000	2500999				
	54	262	2590000	2595999				
	54	262	2633000	2637999				
	54	262	4415000	4418999				
	54	262	4434000	4439999				
	54	262	4448000	4459999				
	54	262	5500000	5504999				
	54	262	5550000	5555999				
	54	262	5603000	5604999				
	54	263	4292000	4293999				
	54	263	4300000	4307999				
	54	263	4314000	4323999				
	54	263	4368000	4393999				
	54	263	4452000	4452999				
	54	263	4500000	4504999				
	54	263	4530000	4531999				
	54	263	4575000	4576999				
	54	263	4585000	4586999				
	54	263	4610000	4610999				
	54	263	4640000	4649999				
	54	263	4720000	4749999				
	54	264	4026000	4026999				
	54	264	4190000	4199999				
	54	264	4420000	4429999				
	54	264	4520000	4529999				
	54	264	4620000	4659999				
	54	264	4720000	4779999				
	54	264	5000000	5000999				
	54	264	5010000	5039999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	264	5150000	5249999				
	54	264	5490000	5599999				
	54	264	5680000	5699999				
	54	264	7403000	7405999				
	54	264	7410000	7416999				
	54	264	7438000	7449999				
	54	265	1404000	1405999				
	54	265	1410000	1411999				
	54	265	1430000	1435999				
	54	265	1439000	1441999				
	54	265	6410000	6413999				
	54	265	6435000	6441999				
	54	265	6460000	6463999				
	54	265	7267000	7268999				
	54	265	7270000	7279999				
	54	265	7338000	7350999				
	54	265	7462000	7462999				
	54	265	7510000	7519999				
	54	265	7567000	7569999				
	54	265	7660000	7660999				
	54	265	7669000	7669999				
	54	265	7680000	7681999				
	54	265	7694000	7699999				
	54	266	4226000	4244999				
	54	266	4247000	4247999				
	54	266	4260000	4279999				
	54	266	4380000	4399999				
	54	266	4472000	4472999				
	54	266	4510000	4519999				
	54	266	4676000	4679999				
	54	266	4693000	4699999				
	54	266	4710000	4724999				
	54	266	4740000	4744999				
	54	266	4750000	4754999				
	54	266	4799000	4832999				
	54	266	4913000	4917999				
	54	266	4920000	4989999				
	54	280	4213000	4219999				
	54	280	4222000	4222999				
	54	280	4277000	4299999				
	54	280	4310000	4319999				
	54	280	4330000	4339999				
	54	280	4500000	4502999				
	54	280	4522000	4529999				
	54	280	4540000	4549999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	280	4700000	4703999				
	54	280	4780000	4813999				
	54	280	4890000	4909999				
	54	280	4915000	4919999				
	54	280	4920000	4944999				
	54	290	1410000	1410999				
	54	290	1462000	1462999				
	54	290	1480000	1484999				
	54	290	1501000	1503999				
	54	290	1510000	1519999				
	54	290	1523000	1523999				
	54	290	1540000	1549999				
	54	290	1620000	1624999				
	54	290	1631000	1635999				
	54	290	2440000	2449999				
	54	291	4350000	4359999				
	54	291	4380000	4409999				
	54	291	4460000	4499999				
	54	291	4608000	4608999				
	54	291	4640000	4679999				
	54	291	4760000	4799999				
	54	291	4970000	5000999				
	54	291	5010000	5029999				
	54	291	5280000	5289999				
	54	291	5330000	5339999				
	54	291	5511000	5512999				
	54	292	0374000	0378999				
	54	292	0374000	0378999				
	54	292	0390000	0399999				
	54	292	0452000	0452999				
	54	292	0452000	0452999				
	54	292	0500000	0509999				
	54	292	0500000	0509999				
	54	292	0535000	0539999				
	54	292	0535000	0539999				
	54	292	0561000	0567999				
	54	292	0561000	0567999				
	54	292	0591000	0595999				
	54	292	0591000	0595999				
	54	292	0599000	0599999				
	54	292	0599000	0599999				
	54	292	0630000	0639999				
	54	292	0630000	0639999				
	54	292	0668000	0695999				
	54	292	0668000	0695999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	292	1414000	1417999				
	54	292	1426000	1432999				
	54	292	1490000	1491999				
	54	292	2420000	2429999				
	54	292	2439000	2439999				
	54	292	2445000	2449999				
	54	292	3450000	3455999				
	54	292	3530000	3534999				
	54	292	3550000	3559999				
	54	292	3596000	3599999				
	54	292	4430000	4434999				
	54	292	4440000	4449999				
	54	292	6415000	6416999				
	54	292	6459000	6461999				
	54	292	6470000	6474999				
	54	292	6510000	6514999				
	54	292	7404000	7408999				
	54	292	8412000	8416999				
	54	292	8435000	8439999				
	54	292	9404000	9408999				
	54	293	1415000	1419999				
	54	293	2416000	2416999				
	54	293	2440000	2449999				
	54	293	2452000	2452999				
	54	293	2473000	2478999				
	54	293	2520000	2524999				
	54	293	2550000	2564999				
	54	293	2597000	2609999				
	54	293	3403000	3407999				
	54	293	4455000	4459999				
	54	293	5403000	5407999				
	54	293	6407000	6409999				
	54	293	6413000	6419999				
	54	293	6424000	6427999				
	54	294	0442000	0446999				
	54	294	0442000	0446999				
	54	294	2415000	2419999				
	54	294	2440000	2441999				
	54	294	2452000	2452999				
	54	294	2500000	2502999				
	54	294	2607000	2614999				
	54	294	2630000	2634999				
	54	294	4251000	4282999				
	54	294	4321000	4325999				
	54	294	4330000	4339999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	294	4349000	4361999				
	54	294	4372000	4372999				
	54	294	4452000	4453999				
	54	294	4500000	4509999				
	54	294	4593000	4594999				
	54	294	4655000	4659999				
	54	294	4670000	4686999				
	54	294	4750000	4774999				
	54	294	4840000	4854999				
	54	294	4865000	4889999				
	54	294	5440000	5449999				
	54	294	5620000	5624999				
	54	294	5670000	5679999				
	54	294	6405000	6409999				
	54	294	6435000	6435999				
	54	294	6462000	6467999				
	54	294	8433000	8437999				
	54	294	8441000	8442999				
	54	295	2405000	2409999				
	54	295	2445000	2449999				
	54	295	2456000	2458999				
	54	295	3403000	3407999				
	54	295	4200000	4209999				
	54	295	4275000	4289999				
	54	295	4340000	4359999				
	54	295	4472000	4472999				
	54	295	4482000	4482999				
	54	295	4500000	4509999				
	54	295	4538000	4539999				
	54	295	4565000	4569999				
	54	295	4634000	4634999				
	54	295	4657000	4659999				
	54	295	4706000	4709999				
	54	296	2405000	2405999				
	54	296	2410000	2413999				
	54	296	2418000	2422999				
	54	296	4462000	4462999				
	54	296	4510000	4519999				
	54	296	4545000	4549999				
	54	296	4630000	4639999				
	54	296	4640000	4649999				
	54	296	6240000	6269999				
	54	296	6316000	6337999				
	54	296	6462000	6462999				
	54	296	6510000	6519999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	296	6590000	6599999				
	54	296	6619000	6619999				
	54	296	6650000	6652999				
	54	296	6664000	6668999				
	54	296	6689000	6689999				
	54	297	2400000	2403999				
	54	297	2436000	2448999				
	54	297	2470000	2479999				
	54	297	2500000	2504999				
	54	297	4020000	4029999				
	54	297	4320000	4349999				
	54	297	4380000	4389999				
	54	297	4520000	4521999				
	54	297	4680000	4699999				
	54	297	4802000	4804999				
	54	297	4950000	4959999				
	54	297	4980000	4989999				
	54	297	5000000	5009999				
	54	297	5100000	5109999				
	54	297	5220000	5254999				
	54	298	2404000	2408999				
	54	298	3300000	3314999				
	54	298	3452000	3452999				
	54	298	3530000	3539999				
	54	298	3590000	3599999				
	54	298	3677000	3681999				
	54	298	3698000	3698999				
	54	298	4209000	4216999				
	54	298	4340000	4351999				
	54	298	4472000	4473999				
	54	298	4510000	4519999				
	54	298	4700000	4729999				
	54	298	4793000	4797999				
	54	298	4800000	4809999				
	54	298	4830000	4859999				
	54	299	4070000	4079999				
	54	299	4620000	4649999				
	54	299	4839000	4839999				
	54	299	5001000	5001999				
	54	299	5010000	5039999				
	54	299	5050000	5069999				
	54	299	5139000	5139999				
	54	299	5190000	5219999				
	54	299	5370000	5419999				
	54	299	5430000	5459999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	299	5672000	5676999				
	54	299	5680000	5689999				
	54	299	5980000	5986999				
	54	299	6140000	6149999				
	54	299	6160000	6199999				
	54	299	6380000	6399999				
	54	332	7504000	7508999				
	54	332	7510000	7514999				
	54	332	9300000	9313999				
	54	332	9340000	9344999				
	54	332	9450000	9450999				
	54	332	9574000	9580999				
	54	332	9600000	9619999				
	54	332	9690000	9699999				
	54	336	4006000	4007999				
	54	336	4180000	4199999				
	54	336	4200000	4214999				
	54	336	4285000	4299999				
	54	336	4310000	4313999				
	54	336	4334000	4340999				
	54	336	4346000	4346999				
	54	336	4395000	4399999				
	54	336	4497000	4498999				
	54	336	4591000	4591999				
	54	336	4628000	4632999				
	54	336	4650000	4656999				
	54	336	4660000	4682999				
	54	336	4686000	4689999				
	54	338	2450000	2450999				
	54	338	2465000	2469999				
	54	338	2489000	2489999				
	54	338	2499000	2499999				
	54	338	2510000	2514999				
	54	338	2670000	2680999				
	54	338	5450000	5450999				
	54	338	5471000	5474999				
	54	338	5505000	5507999				
	54	338	5520000	5520999				
	54	338	5526000	5526999				
	54	338	5680000	5689999				
	54	338	7400000	7404999				
	54	338	7407000	7409999				
	54	338	7497000	7497999				
	54	338	7687000	7687999				
	54	338	8410000	8410999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	338	8413000	8413999				
	54	338	8415000	8416999				
	54	338	8430000	8431999				
	54	338	8436000	8440999				
	54	338	8450000	8450999				
	54	338	8480000	8480999				
	54	338	8484000	8484999				
	54	338	8500000	8510999				
	54	338	8530000	8539999				
	54	338	8670000	8679999				
	54	340	0415000	0419999				
	54	340	0415000	0419999				
	54	340	0440000	0446999				
	54	340	0440000	0446999				
	54	340	0459000	0459999				
	54	340	0459000	0459999				
	54	340	0497000	0499999				
	54	340	0497000	0499999				
	54	340	0530000	0534999				
	54	340	0657000	0669999				
	54	340	0657000	0669999				
	54	340	1405000	1419999				
	54	340	1430000	1430999				
	54	340	1433000	1437999				
	54	340	1490000	1490999				
	54	340	1502000	1502999				
	54	340	1520000	1534999				
	54	340	1535000	1549999				
	54	340	1640000	1649999				
	54	340	2415000	2418999				
	54	340	2450000	2450999				
	54	340	2480000	2483999				
	54	340	2487000	2487999				
	54	340	2534000	2539999				
	54	340	2563000	2563999				
	54	340	2570000	2579999				
	54	340	2657000	2659999				
	54	340	2673000	2673999				
	54	340	2695000	2695999				
	54	340	4440000	4440999				
	54	340	4446000	4446999				
	54	340	4458000	4459999				
	54	340	4490000	4492999				
	54	340	4500000	4501999				
	54	340	4509000	4511999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	340	4516000	4516999				
	54	340	4530000	4538999				
	54	340	4571000	4571999				
	54	340	4579000	4589999				
	54	340	4630000	4639999				
	54	340	4640000	4654999				
	54	340	5405000	5409999				
	54	340	5415000	5417999				
	54	340	5430000	5439999				
	54	340	5450000	5451999				
	54	340	5453000	5453999				
	54	340	5455000	5456999				
	54	340	5480000	5480999				
	54	340	5482000	5485999				
	54	340	5500000	5514999				
	54	340	5618000	5619999				
	54	340	5688000	5688999				
	54	340	6420000	6421999				
	54	340	6423000	6424999				
	54	340	6428000	6430999				
	54	340	6450000	6450999				
	54	340	6460000	6465999				
	54	340	6517000	6521999				
	54	340	6640000	6649999				
	54	340	7407000	7407999				
	54	340	7410000	7410999				
	54	340	7460000	7460999				
	54	340	7478000	7479999				
	54	340	7495000	7498999				
	54	340	7520000	7524999				
	54	340	7667000	7669999				
	54	340	8403000	8406999				
	54	340	8407000	8411999				
	54	340	8430000	8438999				
	54	340	8450000	8450999				
	54	340	8670000	8689999				
	54	340	9401000	9403999				
	54	340	9405000	9407999				
	54	340	9450000	9450999				
	54	340	9455000	9455999				
	54	340	9667000	9669999				
	54	341	2320000	2339999				
	54	341	2420000	2420000				
	54	341	2420000	2429999				
	54	341	2500000	2699999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	341	2852000	2856999				
	54	341	3020000	3169999				
	54	341	3200000	3249999				
	54	341	3540000	3789999				
	54	341	4677000	4677999				
	54	341	4750000	4759999				
	54	341	5310000	5329999				
	54	341	5690000	5709999				
	54	341	5760000	5769999				
	54	341	5850000	5869999				
	54	341	6000000	6029999				
	54	341	6040000	6069999				
	54	341	6100000	6219999				
	54	341	6280000	6299999				
	54	341	6400000	6439999				
	54	341	6580000	6659999				
	54	341	6740000	6772999				
	54	341	6830000	6879999				
	54	341	6900000	6971999				
	54	342	4050000	4089999				
	54	342	4450000	4469999				
	54	342	4640000	4649999				
	54	342	4720000	4729999				
	54	342	4770000	4799999				
	54	342	4870000	4879999				
	54	342	5050000	5069999				
	54	342	5080000	5089999				
	54	342	5110000	5159999				
	54	342	5270000	5399999				
	54	342	5500000	5509999				
	54	342	5820000	5829999				
	54	342	5900000	5999999				
	54	342	6100000	6159999				
	54	342	6300000	6319999				
	54	342	6335000	6336999				
	54	342	6356000	6356999				
	54	342	6980000	6989999				
	54	343	4050000	4069999				
	54	343	4380000	4389999				
	54	343	4460000	4479999				
	54	343	4500000	4509999				
	54	343	4540000	4559999				
	54	343	4570000	4579999				
	54	343	4600000	4729999				
	54	343	4810000	4819999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	343	4847000	4847999				
	54	343	5000000	5029999				
	54	343	5130000	5149999				
	54	343	5160000	5199999				
	54	343	5300000	5399999				
	54	343	5400000	5401999				
	54	343	5405000	5407999				
	54	343	5410000	5416999				
	54	343	5450000	5460999				
	54	343	5492000	5493999				
	54	343	5512000	5517999				
	54	343	5610000	5620999				
	54	343	6100000	6101999				
	54	343	6103000	6107999				
	54	343	6110000	6119999				
	54	343	6200000	6239999				
	54	343	6337000	6338999				
	54	343	6410000	6415999				
	54	343	6438000	6450999				
	54	343	6453000	6453999				
	54	343	6463000	6464999				
	54	343	6470000	6479999				
	54	343	6610000	6619999				
	54	343	6638000	6638999				
	54	343	6985000	6986999				
	54	343	7400000	7404999				
	54	343	7408000	7416999				
	54	343	7440000	7450999				
	54	343	7456000	7457999				
	54	343	7483000	7484999				
	54	343	7510000	7524999				
	54	343	7605000	7609999				
	54	343	8405000	8407999				
	54	343	8411000	8413999				
	54	343	8440000	8444999				
	54	343	8450000	8450999				
	54	343	8453000	8454999				
	54	343	8607000	8608999				
	54	344	2406000	2408999				
	54	344	2458000	2460999				
	54	344	2470000	2473999				
	54	344	2485000	2490999				
	54	344	2500000	2510999				
	54	344	2514000	2516999				
	54	344	2532000	2539999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	344	2560000	2569999				
	54	344	2620000	2629999				
	54	344	2640000	2649999				
	54	344	2660000	2684999				
	54	344	4430000	4430999				
	54	344	4436000	4447999				
	54	344	4450000	4450999				
	54	344	4497000	4498999				
	54	344	4500000	4511999				
	54	344	4520000	4529999				
	54	344	4540000	4541999				
	54	344	4620000	4629999				
	54	344	4634000	4636999				
	54	344	5404000	5406999				
	54	344	5410000	5410999				
	54	344	5415000	5417999				
	54	344	5419000	5419999				
	54	344	5430000	5434999				
	54	344	5441000	5442999				
	54	344	5450000	5451999				
	54	344	5453000	5455999				
	54	344	5458000	5459999				
	54	344	5470000	5479999				
	54	344	5530000	5539999				
	54	344	5623000	5623999				
	54	344	5645000	5645999				
	54	344	5653000	5654999				
	54	344	6352000	6369999				
	54	344	6410000	6414999				
	54	344	6450000	6451999				
	54	344	6477000	6477999				
	54	344	6505000	6509999				
	54	344	6522000	6522999				
	54	344	6565000	6565999				
	54	344	6580000	6582999				
	54	344	6584000	6587999				
	54	344	6594000	6596999				
	54	344	6600000	6609999				
	54	344	6630000	6649999				
	54	344	6660000	6672999				
	54	344	7415000	7417999				
	54	344	7433000	7438999				
	54	344	7450000	7450999				
	54	344	7491000	7491999				
	54	344	7503000	7514999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	344	7550000	7569999				
	54	344	7625000	7625999				
	54	344	7640000	7649999				
	54	345	4050000	4059999				
	54	345	4090000	4119999				
	54	345	4200000	4200999				
	54	345	4303000	4307999				
	54	345	4320000	4359999				
	54	345	4402000	4402999				
	54	345	4405000	4408999				
	54	345	4430000	4435999				
	54	345	4460000	4460999				
	54	345	4480000	4489999				
	54	345	4490000	4490999				
	54	345	4655000	4657999				
	54	345	4927000	4929999				
	54	345	4930000	4969999				
	54	345	4987000	4987999				
	54	345	5400000	5402999				
	54	345	5405000	5406999				
	54	345	5410000	5415999				
	54	345	5430000	5432999				
	54	345	5435000	5437999				
	54	345	5445000	5446999				
	54	345	5450000	5450999				
	54	345	5453000	5469999				
	54	345	5488000	5489999				
	54	345	5520000	5539999				
	54	345	5622000	5624999				
	54	345	5646000	5646999				
	54	345	6020000	6029999				
	54	345	6250000	6269999				
	54	345	6405000	6408999				
	54	345	6413000	6415999				
	54	345	6430000	6435999				
	54	345	6443000	6446999				
	54	345	6450000	6450999				
	54	345	6459000	6459999				
	54	345	6470000	6479999				
	54	345	6493000	6497999				
	54	345	6509000	6509999				
	54	345	6529000	6529999				
	54	345	6540000	6559999				
	54	345	6620000	6622999				
	54	345	6659000	6659999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	345	8404000	8405999				
	54	345	8412000	8415999				
	54	345	8430000	8434999				
	54	345	8456000	8456999				
	54	345	8497000	8497999				
	54	345	8658000	8659999				
	54	346	0450000	0450999				
	54	346	0450000	0459999				
	54	346	0690000	0699999				
	54	346	0690000	0699999				
	54	346	2317000	2339999				
	54	346	2371000	2373999				
	54	346	2375000	2399999				
	54	346	2410000	2419999				
	54	346	2446000	2447999				
	54	346	2540000	2544999				
	54	346	2565000	2569999				
	54	346	2610000	2611999				
	54	346	2615000	2616999				
	54	346	2624000	2626999				
	54	346	2634000	2642999				
	54	346	2660000	2679999				
	54	346	3406000	3406999				
	54	346	3411000	3413999				
	54	346	3453000	3454999				
	54	346	3460000	3465999				
	54	346	3496000	3496999				
	54	346	3645000	3647999				
	54	346	4440000	4450999				
	54	346	4549000	4553999				
	54	346	4558000	4560999				
	54	346	4580000	4599999				
	54	346	4620000	4639999				
	54	346	4680000	4699999				
	54	346	5404000	5409999				
	54	346	5415000	5419999				
	54	346	5440000	5449999				
	54	346	5463000	5463999				
	54	346	5485000	5486999				
	54	346	5530000	5539999				
	54	346	5650000	5669999				
	54	346	6403000	6404999				
	54	346	6410000	6411999				
	54	346	6430000	6434999				
	54	346	6450000	6450999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	346	6632000	6634999				
	54	346	7404000	7404999				
	54	346	7497000	7497999				
	54	346	7500000	7504999				
	54	346	7519000	7519999				
	54	346	7530000	7539999				
	54	346	7629000	7649999				
	54	346	8407000	8408999				
	54	346	8410000	8411999				
	54	346	8415000	8416999				
	54	346	8430000	8430999				
	54	346	8507000	8509999				
	54	346	8522000	8524999				
	54	346	8532000	8534999				
	54	346	8549000	8556999				
	54	346	8593000	8595999				
	54	346	8604000	8606999				
	54	346	8640000	8649999				
	54	346	8650000	8659999				
	54	346	9400000	9400999				
	54	346	9401000	9405999				
	54	346	9450000	9450999				
	54	346	9690000	9699999				
	54	347	1323000	1326999				
	54	347	1330000	1359999				
	54	347	1476000	1476999				
	54	347	1520000	1529999				
	54	347	1560000	1563999				
	54	347	1566000	1568999				
	54	347	1570000	1572999				
	54	347	1575000	1580999				
	54	347	1585000	1588999				
	54	347	1591000	1594999				
	54	347	1610000	1631999				
	54	347	1670000	1689999				
	54	347	2459000	2459999				
	54	347	2497000	2499999				
	54	347	2504000	2505999				
	54	347	2540000	2544999				
	54	347	2577000	2579999				
	54	347	2596000	2597999				
	54	347	2610000	2619999				
	54	347	2620000	2629999				
	54	347	6345000	6369999				
	54	347	6450000	6451999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	347	6551000	6553999				
	54	347	6558000	6559999				
	54	347	6580000	6582999				
	54	347	6585000	6598999				
	54	347	6600000	6609999				
	54	347	6614000	6619999				
	54	347	6622000	6626999				
	54	347	6649000	6670999				
	54	347	6690000	6699999				
	54	348	2200000	2244999				
	54	348	2300000	2319999				
	54	348	2370000	2379999				
	54	348	2385000	2389999				
	54	348	2405000	2406999				
	54	348	2414000	2419999				
	54	348	2440000	2448999				
	54	348	2453000	2453999				
	54	348	2457000	2457999				
	54	348	2459000	2459999				
	54	348	2530000	2539999				
	54	348	2565000	2569999				
	54	348	2598000	2601999				
	54	348	2620000	2655999				
	54	348	2658000	2658999				
	54	348	3408000	3408999				
	54	348	3433000	3435999				
	54	348	3439000	3445999				
	54	348	3450000	3451999				
	54	348	3453000	3453999				
	54	348	3458000	3459999				
	54	348	3467000	3469999				
	54	348	3490000	3490999				
	54	348	3499000	3499999				
	54	348	3520000	3534999				
	54	348	3638000	3640999				
	54	348	4240000	4249999				
	54	348	4301000	4306999				
	54	348	4309000	4309999				
	54	348	4319000	4319999				
	54	348	4330000	4330999				
	54	348	4332000	4338999				
	54	348	4341000	4349999				
	54	348	4376000	4399999				
	54	348	4402000	4402999				
	54	348	4437000	4437999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	348	4439000	4439999				
	54	348	4451000	4454999				
	54	348	4490000	4490999				
	54	348	4497000	4497999				
	54	348	4521000	4525999				
	54	348	4530000	4539999				
	54	348	4550000	4559999				
	54	348	4590000	4599999				
	54	348	4700000	4714999				
	54	348	7200000	7224999				
	54	348	7303000	7327999				
	54	348	7372000	7372999				
	54	348	7380000	7389999				
	54	348	7500000	7500999				
	54	348	7510000	7519999				
	54	348	7550000	7559999				
	54	348	7565000	7566999				
	54	348	7616000	7619999				
	54	348	7625000	7627999				
	54	348	7640000	7649999				
	54	348	7655000	7669999				
	54	348	7675000	7680999				
	54	348	7684000	7688999				
	54	348	9330000	9339999				
	54	348	9340000	9364999				
	54	348	9445000	9445999				
	54	348	9455000	9459999				
	54	348	9481000	9482999				
	54	348	9485000	9486999				
	54	348	9502000	9502999				
	54	348	9520000	9520999				
	54	348	9526000	9539999				
	54	348	9560000	9569999				
	54	348	9590000	9599999				
	54	348	9632000	9639999				
	54	348	9652000	9657999				
	54	348	9680000	9696999				
	54	349	1415000	1419999				
	54	349	1430000	1432999				
	54	349	1438000	1443999				
	54	349	1450000	1451999				
	54	349	1500000	1511999				
	54	349	1524000	1528999				
	54	349	1530000	1546999				
	54	349	1687000	1699999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	349	2200000	2204999				
	54	349	2210000	2229999				
	54	349	2307000	2326999				
	54	349	2390000	2399999				
	54	349	2417000	2419999				
	54	349	2460000	2460999				
	54	349	2610000	2619999				
	54	349	2635000	2638999				
	54	349	2645000	2649999				
	54	349	2660000	2686999				
	54	349	3446000	3450999				
	54	349	3455000	3457999				
	54	349	3459000	3461999				
	54	349	3495000	3495999				
	54	349	3510000	3519999				
	54	349	3520000	3524999				
	54	349	3660000	3669999				
	54	349	6450000	6450999				
	54	349	6460000	6462999				
	54	349	6464000	6468999				
	54	349	6520000	6529999				
	54	349	6550000	6554999				
	54	349	6559000	6563999				
	54	349	6650000	6660999				
	54	349	7404000	7407999				
	54	349	7413000	7416999				
	54	349	7482000	7482999				
	54	349	7657000	7659999				
	54	349	7687000	7687999				
	54	349	8405000	8405999				
	54	349	8418000	8419999				
	54	349	8439000	8447999				
	54	349	8458000	8465999				
	54	349	8473000	8476999				
	54	349	8520000	8529999				
	54	349	8608000	8608999				
	54	349	8618000	8620999				
	54	349	8680000	8680999				
	54	351	2100000	2199999				
	54	351	2490000	2729999				
	54	351	3120000	3239999				
	54	351	3390000	3449999				
	54	351	3520000	3599999				
	54	351	3700000	3839999				
	54	351	3940000	3999999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	351	4084000	4089999				
	54	351	4370000	4379999				
	54	351	4590000	4599999				
	54	351	4907000	4907999				
	54	351	5220000	5229999				
	54	351	5280000	5289999				
	54	351	5320000	5339999				
	54	351	5580000	5609999				
	54	351	5720000	5749999				
	54	351	5990000	6009999				
	54	351	6060000	6069999				
	54	351	6130000	6149999				
	54	351	6200000	6239999				
	54	351	6340000	6379999				
	54	351	6410000	6439999				
	54	351	6500000	6549999				
	54	351	6557000	6558999				
	54	351	6560000	6579999				
	54	351	6590000	6619999				
	54	351	6740000	6829999				
	54	351	7300000	7499999				
	54	351	7910000	7964999				
	54	352	1402000	1404999				
	54	352	1417000	1419999				
	54	352	1444000	1449999				
	54	352	1483000	1483999				
	54	352	1530000	1539999				
	54	352	1630000	1630999				
	54	352	1639000	1639999				
	54	352	1649000	1650999				
	54	352	2404000	2405999				
	54	352	2412000	2416999				
	54	352	2450000	2450999				
	54	352	2453000	2455999				
	54	352	2648000	2650999				
	54	352	4402000	4402999				
	54	352	4410000	4411999				
	54	352	4421000	4424999				
	54	352	4494000	4495999				
	54	352	4497000	4497999				
	54	352	4647000	4647999				
	54	352	5403000	5406999				
	54	352	5433000	5434999				
	54	352	5441000	5441999				
	54	352	5449000	5449999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	352	5454000	5459999				
	54	352	5475000	5482999				
	54	352	5488000	5489999				
	54	352	5515000	5515999				
	54	352	5540000	5555999				
	54	352	5590000	5604999				
	54	352	5615000	5629999				
	54	352	5640000	5649999				
	54	353	2400000	2400999				
	54	353	2403000	2403999				
	54	353	2405000	2406999				
	54	353	2430000	2433999				
	54	353	2442000	2446999				
	54	353	2460000	2460999				
	54	353	2468000	2469999				
	54	353	2677000	2679999				
	54	353	3415000	3415999				
	54	353	3430000	3431999				
	54	353	3441000	3445999				
	54	353	3450000	3450999				
	54	353	3457000	3457999				
	54	353	3474000	3479999				
	54	353	3680000	3689999				
	54	353	4010000	4019999				
	54	353	4090000	4099999				
	54	353	4130000	4139999				
	54	353	4210000	4219999				
	54	353	4250000	4579999				
	54	353	4700000	4724999				
	54	353	4727000	4728999				
	54	353	4728000	4829999				
	54	353	4848000	4849999				
	54	353	4865000	4867999				
	54	353	6559000	6579999				
	54	353	7010000	7019999				
	54	353	7090000	7099999				
	54	353	7130000	7139999				
	54	353	7210000	7219999				
	54	353	7250000	7259999				
	54	353	7302000	7305999				
	54	353	7310000	7323999				
	54	353	7352000	7352999				
	54	353	7353000	7353999				
	54	353	7354000	7355999				
	54	353	7355000	7356999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	353	7370000	7379999				
	54	353	7484000	7484999				
	54	353	7520000	7534999				
	54	353	7560000	7579999				
	54	353	7680000	7689999				
	54	353	7810000	7829999				
	54	353	7848000	7849999				
	54	353	7865000	7867999				
	54	354	1200000	1214999				
	54	354	1240000	1244999				
	54	354	1328000	1329999				
	54	354	1390000	1399999				
	54	354	1460000	1460999				
	54	354	1548000	1549999				
	54	354	1565000	1569999				
	54	354	1600000	1600999				
	54	354	1607000	1629999				
	54	354	1633000	1644999				
	54	354	1677000	1696999				
	54	354	2411000	2415999				
	54	354	2460000	2461999				
	54	354	2463000	2463999				
	54	354	2470000	2470999				
	54	354	2480000	2481999				
	54	354	2619000	2620999				
	54	354	3310000	3319999				
	54	354	3470000	3470999				
	54	354	3600000	3609999				
	54	354	3690000	3699999				
	54	354	4400000	4403999				
	54	354	4406000	4408999				
	54	354	4415000	4419999				
	54	354	4432000	4438999				
	54	354	4441000	4446999				
	54	354	4449000	4449999				
	54	354	4456000	4456999				
	54	354	4460000	4460999				
	54	354	4462000	4462999				
	54	354	4464000	4469999				
	54	354	4487000	4487999				
	54	354	4505000	4509999				
	54	354	4540000	4549999				
	54	354	4586000	4599999				
	54	354	4609000	4619999				
	54	354	4620000	4649999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	354	6478000	6479999				
	54	354	6488000	6489999				
	54	354	6500000	6504999				
	54	354	6518000	6518999				
	54	354	6527000	6527999				
	54	354	6529000	6535999				
	54	354	6650000	6651999				
	54	354	6659000	6659999				
	54	354	7482000	7482999				
	54	354	7500000	7502999				
	54	354	7531000	7532999				
	54	354	7540000	7549999				
	54	354	7620000	7629999				
	54	354	7630000	7642999				
	54	354	7643000	7645999				
	54	354	7650000	7659999				
	54	354	8405000	8406999				
	54	354	8410000	8413999				
	54	354	8430000	8432999				
	54	354	8460000	8460999				
	54	354	8462000	8463999				
	54	354	8500000	8509999				
	54	354	8526000	8526999				
	54	354	8540000	8554999				
	54	354	8598000	8599999				
	54	354	8630000	8639999				
	54	354	9440000	9440999				
	54	354	9446000	9448999				
	54	354	9450000	9450999				
	54	354	9478000	9479999				
	54	354	9500000	9505999				
	54	354	9530000	9541999				
	54	354	9630000	9639999				
	54	356	2440000	2440999				
	54	356	2446000	2447999				
	54	356	2450000	2451999				
	54	356	2453000	2453999				
	54	356	2526000	2529999				
	54	356	2560000	2567999				
	54	356	2619000	2619999				
	54	356	2669000	2671999				
	54	356	3415000	3417999				
	54	356	3433000	3435999				
	54	356	3495000	3496999				
	54	356	3668000	3669999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	356	4363000	4364999				
	54	356	4370000	4389999				
	54	356	4442000	4442999				
	54	356	4470000	4470999				
	54	356	4472000	4474999				
	54	356	4476000	4478999				
	54	356	4595000	4596999				
	54	356	4602000	4602999				
	54	356	4610000	4611999				
	54	356	4616000	4618999				
	54	356	4627000	4628999				
	54	356	4650000	4654999				
	54	356	4659000	4669999				
	54	356	4684000	4699999				
	54	357	1300000	1309999				
	54	357	1450000	1450999				
	54	357	1565000	1566999				
	54	357	1569000	1569999				
	54	357	1592000	1596999				
	54	357	1625000	1634999				
	54	357	1661000	1661999				
	54	357	1670000	1699999				
	54	357	2400000	2409999				
	54	357	2450000	2450999				
	54	357	2551000	2558999				
	54	357	2597000	2603999				
	54	357	2665000	2667999				
	54	357	2690000	2699999				
	54	357	3416000	3419999				
	54	357	3450000	3451999				
	54	357	3457000	3459999				
	54	357	3460000	3462999				
	54	357	3492000	3492999				
	54	357	3690000	3690999				
	54	357	3692000	3694999				
	54	357	4409000	4409999				
	54	357	4416000	4417999				
	54	357	4440000	4444999				
	54	357	4450000	4450999				
	54	357	4638000	4638999				
	54	357	4650000	4652999				
	54	357	5401000	5401999				
	54	357	5404000	5404999				
	54	357	5408000	5409999				
	54	357	5411000	5415999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	357	5481000	5481999				
	54	357	5485000	5486999				
	54	357	5488000	5488999				
	54	357	5656000	5656999				
	54	357	6457000	6465999				
	54	357	6570000	6575999				
	54	357	6650000	6659999				
	54	358	2406000	2406999				
	54	358	2416000	2416999				
	54	358	2430000	2430999				
	54	358	2437000	2438999				
	54	358	2445000	2447999				
	54	358	2460000	2460999				
	54	358	2464000	2464999				
	54	358	2648000	2649999				
	54	358	3415000	3419999				
	54	358	3438000	3438999				
	54	358	3445000	3447999				
	54	358	3483000	3483999				
	54	358	3489000	3489999				
	54	358	3640000	3640999				
	54	358	3647000	3648999				
	54	358	4010000	4029999				
	54	358	4157000	4157999				
	54	358	4200000	4209999				
	54	358	4250000	4259999				
	54	358	4300000	4329999				
	54	358	4416000	4417999				
	54	358	4441000	4445999				
	54	358	4455000	4455999				
	54	358	4495000	4495999				
	54	358	4497000	4499999				
	54	358	4601000	4605999				
	54	358	4730000	4739999				
	54	358	4840000	4879999				
	54	358	4897000	4897999				
	54	358	4920000	4929999				
	54	358	5100000	5129999				
	54	358	5405000	5407999				
	54	358	5413000	5415999				
	54	358	5430000	5437999				
	54	358	5497000	5499999				
	54	358	5646000	5646999				
	54	358	6000000	6029999				
	54	358	6540000	6549999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	362	4000000	4114999				
	54	362	4182000	4186999				
	54	362	4200000	4209999				
	54	362	4220000	4229999				
	54	362	4240000	4259999				
	54	362	4275000	4279999				
	54	362	4300000	4309999				
	54	362	4315000	4319999				
	54	362	4330000	4339999				
	54	362	4380000	4389999				
	54	362	4457000	4457999				
	54	362	4477000	4477999				
	54	362	4540000	4549999				
	54	362	4560000	4569999				
	54	362	4600000	4629999				
	54	362	4638000	4669999				
	54	362	4680000	4689999				
	54	362	4700000	4729999				
	54	362	4740000	4749999				
	54	362	4755000	4759999				
	54	362	4766000	4770999				
	54	362	4776000	4785999				
	54	362	4800000	4804999				
	54	362	4810000	4814999				
	54	362	4870000	4909999				
	54	362	4964000	4971999				
	54	364	4265000	4266999				
	54	364	4320000	4389999				
	54	364	4400000	4409999				
	54	364	4418000	4419999				
	54	364	4440000	4441999				
	54	364	4443000	4459999				
	54	364	4462000	4464999				
	54	364	4466000	4469999				
	54	364	4500000	4509999				
	54	364	4540000	4549999				
	54	364	4560000	4569999				
	54	364	4590000	4599999				
	54	364	4605000	4633999				
	54	364	4636000	4639999				
	54	364	4650000	4662999				
	54	364	4670000	4689999				
	54	364	4700000	4749999				
	54	370	4000000	4099999				
	54	370	4200000	4209999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	370	4215000	4219999				
	54	370	4230000	4239999				
	54	370	4250000	4259999				
	54	370	4270000	4309999				
	54	370	4355000	4369999				
	54	370	4375000	4389999				
	54	370	4410000	4419999				
	54	370	4470000	4470999				
	54	370	4477000	4477999				
	54	370	4500000	4619999				
	54	370	4640000	4649999				
	54	370	4660000	4704999				
	54	370	4710000	4714999				
	54	370	4720000	4724999				
	54	370	4780000	4798999				
	54	370	4800000	4829999				
	54	370	4902000	4906999				
	54	370	4914000	4918999				
	54	371	1403000	1406999				
	54	371	1410000	1413999				
	54	371	1493000	1493999				
	54	371	1614000	1615999				
	54	371	5400000	5404999				
	54	371	5405000	5407999				
	54	371	5480000	5480999				
	54	371	5495000	5495999				
	54	371	5616000	5618999				
	54	371	6400000	6406999				
	54	371	6410000	6420999				
	54	371	6421000	6423999				
	54	371	6498000	6499999				
	54	371	6616000	6618999				
	54	371	8300000	8301999				
	54	371	8411000	8419999				
	54	371	8440000	8442999				
	54	371	8450000	8469999				
	54	371	8493000	8494999				
	54	371	8497000	8497999				
	54	371	8499000	8499999				
	54	371	8505000	8505999				
	54	371	8520000	8539999				
	54	371	8542000	8549999				
	54	371	8558000	8565999				
	54	371	8572000	8644999				
	54	371	8679000	8679999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	371	8680000	8694999				
	54	372	1404000	1405999				
	54	372	1430000	1442999				
	54	372	1443000	1446999				
	54	372	1481000	1481999				
	54	372	1489000	1489999				
	54	372	1641000	1641999				
	54	372	5400000	5402999				
	54	372	5405000	5406999				
	54	372	5414000	5416999				
	54	372	5430000	5433999				
	54	372	5436000	5450999				
	54	372	5453000	5457999				
	54	372	5463000	5469999				
	54	372	5483000	5487999				
	54	372	5492000	5493999				
	54	372	5540000	5559999				
	54	372	5608000	5608999				
	54	372	5640000	5641999				
	54	373	1400000	1404999				
	54	373	1410000	1414999				
	54	373	1430000	1432999				
	54	373	1435000	1444999				
	54	373	1447000	1451999				
	54	373	1454000	1458999				
	54	373	1493000	1495999				
	54	373	1501000	1519999				
	54	373	1530000	1559999				
	54	373	1620000	1629999				
	54	373	1630000	1669999				
	54	373	4400000	4404999				
	54	373	4407000	4409999				
	54	373	4413000	4419999				
	54	373	4440000	4449999				
	54	373	4480000	4489999				
	54	373	4494000	4494999				
	54	373	4496000	4497999				
	54	373	4605000	4607999				
	54	373	5402000	5406999				
	54	373	5410000	5419999				
	54	373	5443000	5450999				
	54	373	5452000	5457999				
	54	373	5464000	5467999				
	54	373	5470000	5479999				
	54	373	5485000	5487999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	373	5520000	5549999				
	54	373	5600000	5619999				
	54	373	5620000	5631999				
	54	373	5632000	5636999				
	54	374	1402000	1408999				
	54	374	1413000	1418999				
	54	374	1495000	1496999				
	54	374	1630000	1632999				
	54	374	3410000	3414999				
	54	374	3434000	3439999				
	54	374	3455000	3459999				
	54	374	3470000	3471999				
	54	374	3479000	3489999				
	54	374	3492000	3492999				
	54	374	3496000	3496999				
	54	374	3498000	3499999				
	54	374	3512000	3520999				
	54	374	3538000	3569999				
	54	374	3666000	3668999				
	54	375	1300000	1319999				
	54	375	1400000	1419999				
	54	375	1440000	1449999				
	54	375	1471000	1472999				
	54	375	1477000	1479999				
	54	375	1497000	1499999				
	54	375	1520000	1526999				
	54	375	1528000	1529999				
	54	375	1540000	1542999				
	54	375	1556000	1568999				
	54	375	1574000	1578999				
	54	375	1591000	1620999				
	54	375	1660000	1669999				
	54	375	1678000	1679999				
	54	375	4400000	4406999				
	54	375	4414000	4419999				
	54	375	4430000	4439999				
	54	375	4450000	4451999				
	54	375	4453000	4454999				
	54	375	4456000	4479999				
	54	375	4491000	4491999				
	54	375	4495000	4495999				
	54	375	4498000	4499999				
	54	375	4520000	4534999				
	54	375	4659000	4660999				
	54	375	5200000	5249999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	375	5300000	5309999				
	54	375	5380000	5384999				
	54	375	5410000	5419999				
	54	375	5433000	5440999				
	54	375	5442000	5449999				
	54	375	5456000	5459999				
	54	375	5480000	5481999				
	54	375	5500000	5509999				
	54	375	5540000	5559999				
	54	375	5567000	5571999				
	54	375	5580000	5589999				
	54	375	5595000	5609999				
	54	375	5626000	5699999				
	54	375	6415000	6417999				
	54	375	6433000	6434999				
	54	375	6439000	6443999				
	54	375	6450000	6450999				
	54	375	6494000	6498999				
	54	375	6500000	6514999				
	54	375	6535000	6549999				
	54	375	6610000	6619999				
	54	375	7403000	7409999				
	54	375	7415000	7419999				
	54	375	7430000	7432999				
	54	375	7436000	7437999				
	54	375	7440000	7452999				
	54	375	7460000	7464999				
	54	375	7492000	7492999				
	54	375	7500000	7519999				
	54	375	7521000	7528999				
	54	375	7583000	7588999				
	54	375	7600000	7604999				
	54	375	7610000	7634999				
	54	375	7637000	7638999				
	54	375	7670000	7679999				
	54	375	8400000	8401999				
	54	375	8404000	8404999				
	54	375	8408000	8415999				
	54	375	8450000	8451999				
	54	375	8453000	8453999				
	54	375	8455000	8459999				
	54	375	8480000	8489999				
	54	375	8499000	8499999				
	54	375	8520000	8529999				
	54	375	8568000	8569999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	375	8613000	8613999				
	54	375	8649000	8650999				
	54	376	4100000	4199999				
	54	376	4210000	4229999				
	54	376	4250000	4252999				
	54	376	4258000	4258999				
	54	376	4270000	4279999				
	54	376	4290000	4299999				
	54	376	4323000	4339999				
	54	376	4360000	4379999				
	54	376	4390000	4399999				
	54	376	4472000	4473999				
	54	376	4477000	4477999				
	54	376	4560000	4565999				
	54	376	4570000	4579999				
	54	376	4600000	4609999				
	54	376	4615000	4699999				
	54	376	4709000	4738999				
	54	376	4758000	4762999				
	54	376	4820000	4873999				
	54	376	4950000	4952999				
	54	376	4962000	4966999				
	54	377	2400000	2405999				
	54	377	2409000	2409999				
	54	377	2430000	2440999				
	54	377	2443000	2445999				
	54	377	2454000	2455999				
	54	377	2495000	2495999				
	54	377	2520000	2527999				
	54	377	2529000	2537999				
	54	377	2549000	2549999				
	54	377	2577000	2589999				
	54	377	2630000	2639999				
	54	377	3402000	3406999				
	54	377	3410000	3410999				
	54	377	3417000	3418999				
	54	377	3436000	3437999				
	54	377	3440000	3443999				
	54	377	3449000	3450999				
	54	377	3461000	3470999				
	54	377	3478000	3479999				
	54	377	3493000	3493999				
	54	377	3497000	3498999				
	54	377	3520000	3529999				
	54	377	3627000	3629999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	377	4409000	4409999				
	54	377	4412000	4415999				
	54	377	4430000	4432999				
	54	377	4440000	4449999				
	54	377	4460000	4460999				
	54	377	4465000	4469999				
	54	377	4478000	4478999				
	54	377	4500000	4504999				
	54	377	4630000	4639999				
	54	377	5408000	5409999				
	54	377	5414000	5414999				
	54	377	5417000	5419999				
	54	377	5433000	5434999				
	54	377	5445000	5450999				
	54	377	5463000	5479999				
	54	377	5491000	5491999				
	54	377	5493000	5495999				
	54	377	5638000	5639999				
	54	377	7200000	7244999				
	54	377	7300000	7313999				
	54	377	7388000	7399999				
	54	377	7400000	7404999				
	54	377	7410000	7419999				
	54	377	7440000	7440999				
	54	377	7446000	7447999				
	54	377	7470000	7474999				
	54	377	7476000	7476999				
	54	377	7479000	7479999				
	54	377	7490000	7490999				
	54	377	7533000	7544999				
	54	377	7555000	7559999				
	54	377	7575000	7576999				
	54	377	7590000	7609999				
	54	377	7614000	7629999				
	54	377	7632000	7633999				
	54	377	7639000	7653999				
	54	377	7674000	7699999				
	54	378	1400000	1410999				
	54	378	1482000	1482999				
	54	378	1484000	1485999				
	54	378	1489000	1489999				
	54	378	1490000	1494999				
	54	378	1608000	1609999				
	54	378	2409000	2409999				
	54	378	2412000	2414999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	378	2418000	2419999				
	54	378	2435000	2443999				
	54	378	2448000	2453999				
	54	378	2470000	2470999				
	54	378	2474000	2477999				
	54	378	2500000	2529999				
	54	378	2545000	2564999				
	54	378	2609000	2611999				
	54	378	6414000	6417999				
	54	378	6450000	6450999				
	54	378	6455000	6456999				
	54	378	6494000	6499999				
	54	378	6610000	6619999				
	54	379	4000000	4099999				
	54	379	4180000	4184999				
	54	379	4220000	4229999				
	54	379	4250000	4279999				
	54	379	4335000	4359999				
	54	379	4390000	4409999				
	54	379	4480000	4481999				
	54	379	4530000	4534999				
	54	379	4590000	4609999				
	54	379	4630000	4639999				
	54	379	4650000	4706999				
	54	379	4720000	4729999				
	54	379	4731000	4739999				
	54	379	4750000	4759999				
	54	379	4770000	4784999				
	54	379	4790000	4804999				
	54	379	4815000	4819999				
	54	379	4825000	4829999				
	54	379	4880000	4910999				
	54	379	4912000	4914999				
	54	379	4920000	4929999				
	54	379	4980000	4984999				
	54	379	4990000	4999999				
	54	380	4234000	4273999				
	54	380	4300000	4319999				
	54	380	4331000	4369999				
	54	380	4440000	4449999				
	54	380	4483000	4483999				
	54	380	4487000	4487999				
	54	380	4500000	4509999				
	54	380	4580000	4589999				
	54	380	4610000	4619999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	380	4640000	4649999				
	54	380	4660000	4699999				
	54	380	4756000	4780999				
	54	380	4848000	4899999				
	54	381	3215000	3219999				
	54	381	3300000	3499999				
	54	381	4010000	4029999				
	54	381	4090000	4099999				
	54	381	4180000	4199999				
	54	381	4470000	4499999				
	54	381	4620000	4649999				
	54	381	4680000	4709999				
	54	381	4720000	4729999				
	54	381	4740000	4769999				
	54	381	4897000	4897999				
	54	381	5170000	5199999				
	54	381	5220000	5249999				
	54	381	5290000	5309999				
	54	381	5390000	5449999				
	54	381	5490000	5589999				
	54	381	5670000	5719999				
	54	381	5730000	5799999				
	54	381	5970000	5999999				
	54	381	6040000	6049999				
	54	381	6090000	6099999				
	54	381	6400000	6709999				
	54	381	6780000	6789999				
	54	381	6810000	6819999				
	54	382	1400000	1410999				
	54	382	1450000	1459999				
	54	382	1494000	1499999				
	54	382	1665000	1667999				
	54	382	5401000	5419999				
	54	382	5430000	5431999				
	54	382	5433000	5436999				
	54	382	5456000	5459999				
	54	382	5481000	5481999				
	54	382	5520000	5539999				
	54	382	5565000	5589999				
	54	382	5605000	5607999				
	54	382	5660000	5679999				
	54	382	6400000	6400999				
	54	382	6403000	6406999				
	54	382	6410000	6411999				
	54	382	6430000	6434999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	382	6443000	6449999				
	54	382	6473000	6473999				
	54	382	6477000	6477999				
	54	382	6669000	6669999				
	54	382	6674000	6676999				
	54	382	7400000	7408999				
	54	382	7430000	7439999				
	54	382	7450000	7451999				
	54	382	7453000	7454999				
	54	382	7458000	7459999				
	54	382	7654000	7655999				
	54	382	7668000	7668999				
	54	383	2407000	2409999				
	54	383	2415000	2417999				
	54	383	2430000	2434999				
	54	383	2461000	2461999				
	54	383	2465000	2465999				
	54	383	2469000	2469999				
	54	383	2688000	2689999				
	54	383	4070000	4074999				
	54	383	4213000	4214999				
	54	383	4260000	4299999				
	54	383	4320000	4354999				
	54	383	4360000	4374999				
	54	383	4400000	4409999				
	54	383	4460000	4460999				
	54	383	4487000	4487999				
	54	383	4510000	4519999				
	54	383	4540000	4549999				
	54	383	4575000	4579999				
	54	383	4620000	4629999				
	54	383	4650000	4659999				
	54	383	4665000	4669999				
	54	383	4680000	4699999				
	54	383	4755000	4779999				
	54	383	4900000	4999999				
	54	383	5400000	5401999				
	54	383	5404000	5406999				
	54	383	5430000	5439999				
	54	383	5481000	5481999				
	54	383	5505000	5506999				
	54	383	5510000	5519999				
	54	383	5690000	5699999				
	54	383	7405000	7407999				
	54	383	7430000	7439999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	383	7474000	7474999				
	54	383	7690000	7699999				
	54	383	8400000	8403999				
	54	383	8482000	8486999				
	54	383	8492000	8493999				
	54	383	8496000	8497999				
	54	383	8498000	8499999				
	54	383	8600000	8602999				
	54	384	1400000	1409999				
	54	384	1430000	1438999				
	54	384	1490000	1490999				
	54	384	1493000	1493999				
	54	384	1497000	1497999				
	54	384	1669000	1671999				
	54	384	3400000	3405999				
	54	384	3410000	3418999				
	54	384	3450000	3451999				
	54	384	3456000	3459999				
	54	384	3674000	3675999				
	54	384	4410000	4413999				
	54	384	4417000	4419999				
	54	384	4430000	4430999				
	54	384	4433000	4437999				
	54	384	4442000	4443999				
	54	384	4460000	4469999				
	54	384	4474000	4480999				
	54	384	4484000	4484999				
	54	384	4520000	4534999				
	54	384	4671000	4673999				
	54	384	5400000	5406999				
	54	384	5410000	5410999				
	54	384	5430000	5435999				
	54	384	5493000	5493999				
	54	384	5688000	5688999				
	54	384	5693000	5693999				
	54	384	6400000	6402999				
	54	384	6410000	6414999				
	54	384	6495000	6499999				
	54	384	6676000	6677999				
	54	385	4020000	4029999				
	54	385	4040000	4049999				
	54	385	4060000	4069999				
	54	385	4090000	4099999				
	54	385	4110000	4119999				
	54	385	4130000	4139999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	385	4160000	4169999				
	54	385	4260000	4269999				
	54	385	4330000	4339999				
	54	385	4350000	4359999				
	54	385	4380000	4389999				
	54	385	4409000	4409999				
	54	385	4414000	4414999				
	54	385	4417000	4419999				
	54	385	4443000	4448999				
	54	385	4470000	4479999				
	54	385	4492000	4492999				
	54	385	4494000	4494999				
	54	385	4497000	4497999				
	54	385	4499000	4499999				
	54	385	4600000	4609999				
	54	385	4686000	4687999				
	54	385	4693000	4693999				
	54	385	4740000	4749999				
	54	385	4780000	4789999				
	54	385	4840000	4899999				
	54	385	4907000	4907999				
	54	385	5010000	5029999				
	54	385	5040000	5079999				
	54	385	5350000	5399999				
	54	385	5403000	5414999				
	54	385	5430000	5437999				
	54	385	5495000	5495999				
	54	385	5672000	5673999				
	54	385	5700000	5799999				
	54	385	5800000	5939999				
	54	385	6096000	6098999				
	54	385	6400000	6406999				
	54	385	6410000	6418999				
	54	385	6430000	6439999				
	54	385	6450000	6459999				
	54	385	6494000	6495999				
	54	385	6677000	6678999				
	54	385	6790000	6792999				
	54	385	6880000	6889999				
	54	385	6890000	6894999				
	54	385	6970000	6989999				
	54	385	7400000	7417999				
	54	385	7440000	7449999				
	54	385	7470000	7470999				
	54	385	7472000	7476999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	385	7483000	7489999				
	54	385	7674000	7676999				
	54	385	8409000	8409999				
	54	385	8416000	8416999				
	54	385	8430000	8430999				
	54	385	8435000	8436999				
	54	385	8440000	8440999				
	54	385	8458000	8463999				
	54	385	8481000	8482999				
	54	385	8492000	8492999				
	54	385	8496000	8497999				
	54	385	8499000	8499999				
	54	385	8500000	8509999				
	54	385	8687000	8689999				
	54	386	1430000	1433999				
	54	386	1450000	1450999				
	54	386	1453000	1457999				
	54	386	1605000	1606999				
	54	386	2475000	2476999				
	54	386	2477000	2479999				
	54	386	2484000	2485999				
	54	386	2488000	2488999				
	54	386	2602000	2604999				
	54	386	3438000	3438999				
	54	386	3450000	3450999				
	54	386	3452000	3452999				
	54	386	3533000	3537999				
	54	386	3565000	3579999				
	54	386	3595000	3596999				
	54	386	3690000	3699999				
	54	386	5200000	5229999				
	54	386	5317000	5352999				
	54	386	5391000	5395999				
	54	386	5410000	5414999				
	54	386	5430000	5433999				
	54	386	5438000	5450999				
	54	386	5452000	5454999				
	54	386	5456000	5457999				
	54	386	5505000	5509999				
	54	386	5565000	5571999				
	54	386	5574000	5579999				
	54	386	5610000	5610999				
	54	386	5630000	5654999				
	54	386	5690000	5699999				
	54	386	7403000	7405999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	386	7407000	7408999				
	54	386	7492000	7493999				
	54	386	7495000	7495999				
	54	386	7607000	7608999				
	54	386	8400000	8404999				
	54	386	8406000	8412999				
	54	386	8416000	8416999				
	54	386	8450000	8450999				
	54	386	8455000	8457999				
	54	386	8459000	8459999				
	54	386	8460000	8469999				
	54	386	8638000	8639999				
	54	386	9403000	9405999				
	54	386	9410000	9411999				
	54	386	9498000	9498999				
	54	386	9607000	9609999				
	54	387	3020000	3039999				
	54	387	3100000	3149999				
	54	387	3160000	3199999				
	54	387	3290000	3299999				
	54	387	3300000	3309999				
	54	387	3412000	3414999				
	54	387	3435000	3437999				
	54	387	3443000	3443999				
	54	387	3450000	3450999				
	54	387	3452000	3458999				
	54	387	3500000	3501999				
	54	387	3505000	3509999				
	54	387	3546000	3549999				
	54	387	3570000	3589999				
	54	387	3600000	3609999				
	54	387	3622000	3623999				
	54	387	3630000	3659999				
	54	387	3680000	3699999				
	54	387	3700000	3819999				
	54	387	3850000	3929999				
	54	387	4020000	4049999				
	54	387	4070000	4089999				
	54	387	4100000	4109999				
	54	387	4120000	4129999				
	54	387	4150000	4159999				
	54	387	4420000	4449999				
	54	387	4470000	4489999				
	54	387	4520000	4539999				
	54	387	4560000	4609999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	387	4730000	4749999				
	54	387	4790000	4799999				
	54	387	4810000	4849999				
	54	387	4870000	4899999				
	54	387	4987000	4987999				
	54	387	5020000	5039999				
	54	387	5100000	5149999				
	54	387	5160000	5199999				
	54	387	5290000	5299999				
	54	387	5400000	5549999				
	54	387	5553000	5557999				
	54	387	5570000	5574999				
	54	387	5700000	5819999				
	54	387	5850000	5929999				
	54	387	6050000	6059999				
	54	387	6400000	6401999				
	54	387	6407000	6408999				
	54	387	6412000	6413999				
	54	387	6416000	6416999				
	54	387	6430000	6433999				
	54	387	6448000	6461999				
	54	387	6470000	6477999				
	54	387	6479000	6479999				
	54	387	6496000	6496999				
	54	387	6560000	6584999				
	54	387	6660000	6669999				
	54	387	6830000	6859999				
	54	387	7401000	7404999				
	54	387	7408000	7411999				
	54	387	7417000	7418999				
	54	387	7436000	7451999				
	54	387	7453000	7456999				
	54	387	7471000	7472999				
	54	387	7476000	7477999				
	54	387	7530000	7544999				
	54	387	7666000	7668999				
	54	387	8300000	8324999				
	54	387	8400000	8409999				
	54	387	8415000	8419999				
	54	387	8435000	8440999				
	54	387	8447000	8447999				
	54	387	8505000	8508999				
	54	387	8525000	8527999				
	54	387	8557000	8559999				
	54	387	8570000	8570999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	387	8609000	8609999				
	54	387	8610000	8649999				
	54	387	8664000	8664999				
	54	387	8670000	8679999				
	54	388	4040000	4049999				
	54	388	4080000	4109999				
	54	388	4140000	4159999				
	54	388	4330000	4349999				
	54	388	4500000	4509999				
	54	388	4600000	4699999				
	54	388	4700000	4709999				
	54	388	4750000	4779999				
	54	388	4800000	4809999				
	54	388	4840000	4849999				
	54	388	4870000	4889999				
	54	388	4960000	4979999				
	54	388	5080000	5089999				
	54	388	5120000	5149999				
	54	388	5160000	5219999				
	54	388	5400000	5407999				
	54	388	5430000	5434999				
	54	388	5470000	5471999				
	54	388	5473000	5476999				
	54	388	5628000	5629999				
	54	388	5910000	5914999				
	54	388	5924000	5928999				
	54	388	6400000	6403999				
	54	388	6412000	6414999				
	54	388	6447000	6452999				
	54	388	6473000	6473999				
	54	388	6478000	6479999				
	54	388	6520000	6529999				
	54	388	6560000	6569999				
	54	388	6592000	6599999				
	54	388	6601000	6601999				
	54	388	6650000	6659999				
	54	388	6820000	6829999				
	54	388	6850000	6869999				
	54	388	7400000	7401999				
	54	388	7410000	7411999				
	54	388	7470000	7471999				
	54	388	7473000	7473999				
	54	388	7629000	7630999				
	54	388	8040000	8049999				
	54	388	8080000	8109999				

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	388	8140000	8159999				
	54	388	8330000	8349999				
	54	388	8406000	8409999				
	54	388	8415000	8415999				
	54	388	8430000	8433999				
	54	388	8435000	8438999				
	54	388	8451000	8452999				
	54	388	8464000	8465999				
	54	388	8468000	8469999				
	54	388	8483000	8485999				
	54	388	8488000	8489999				
	54	388	8500000	8509999				
	54	388	8560000	8573999				
	54	388	8600000	8609999				
	54	388	8650000	8650999				
	54	388	8651000	8655999				
	54	388	8657000	8659999				
	54	388	8660000	8679999				
	54	388	8700000	8709999				
	54	388	8750000	8779999				
	54	388	8800000	8809999				
	54	388	8840000	8849999				
	54	388	8870000	8889999				
	54	388	8960000	8979999				
	54	389	1402000	1405999				
	54	389	1495000	1495999				
	54	389	1696000	1697999				
	54	389	2400000	2402999				
	54	389	2403000	2405999				
	54	389	2495000	2497999				
	54	389	2604000	2604999				
	54	389	4430000	4432999				
	54	389	4487000	4488999				
	54	389	4495000	4495999				
	54	389	4497000	4498999				
	54	389	4606000	4607999				
	54	222	5455000	5455999				
	54	292	3660000	3664999				
Network Nodes Global Title Number Range(s)								
	54	115174	0000	9999				
	54	3499	0000	9999				
MSRN Number Range(s)								
	54	1141556						
	54	1141557						

MSRN Number Range(s)								
	54	1141558						
	54	1151001						
	54	1151002						
	54	1151003						
	54	1151004						
	54	1151005						
	54	1151006						
	54	1151007						
	54	1151008						
	54	1151010						
	54	11510001						
	54	11510004						
	54	11510005						
	54	11510006						
	54	11510007						
	54	11510009						
	54	11510077						
	54	11510078						
	54	11510079						
	54	2235000						
	54	2235007						
	54	2346452						
	54	2346586						
	54	26145599						
	54	2614809						
	54	2616289						
	54	2644026						
	54	2664472						
	54	2804500						
	54	2914608						
	54	2920452						
	54	2944372						
	54	2954472						
	54	2966689						
	54	2995139						
	54	3414756						
	54	3414677						
	54	3414757						
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	54	35345610						
	54	35345611						
	54	35345612						
	54	35345613						

MSRN Number Range(s)								
	54	35345614						
	54	35345615						
	54	35143745						
	54	35143746						
	54	35143747						
	54	35143747						
	54	35143748						
	54	35143749						
	54	35143750						
	54	35143751						
	54	35143752						
	54	35143753						
	54	35143754						
	54	35143755						
	54	35143756						
	54	35143757						
	54	35143758						
	54	35143759						
	54	34147540						
	54	34147541						
	54	34147543						
	54	34147544						
	54	34147545						
	54	34147546						
	54	34147547						
	54	34147548						
	54	34147549						
	54	34147550						
	54	34147551						
	54	34147552						
	54	34147553						
	54	34147554						
	54	34464515						
	54	34464516						
	54	34464517						
	54	34464518						
	54	34464519						
	54	34464774						
	54	35624501						
	54	35624502						
	54	35624503						
	54	35624504						
	54	35624505						
	54	35624506						
	54	34348176						
	54	34348177						
	54	34348178						

MSRN Number Range(s)								
	54	34348179						
	54	34348180						
	54	34348181						
	54	34543510						
	54	34543511						
	54	34543512						
	54	34543513						
	54	34543514						
	54	34543515						
	54	38214940						
	54	38214941						
	54	38214943						
	54	38214942						
	54	38214944						
	54	38214945						
	54	38340960						
	54	38340961						
	54	38340962						
	54	38340963						
	54	38340964						
	54	38340965						
	54	38147020						
	54	38147021						
	54	38147022						
	54	38147023						
	54	38147024						
	54	38147025						
	54	38147026						
	54	38147027						
	54	38147028						
	54	38147029						
	54	38147060						
	54	38147061						
	54	38546020						
	54	38546021						
	54	38546022						
	54	38546023						
	54	38546024						
	54	38546025						
	54	34084500						
	54	34084501						
	54	34084502						
	54	34084503						
	54	34084504						
	54	34084505						
	54	37724950						
	54	37724951						

MSRN Number Range(s)								
	54	37724952						
	54	37724953						
	54	37724954						
	54	37724955						
	54	38764960						
	54	38764961						
	54	38764962						
	54	38764963						
	54	38764964						
	54	38764965						
	54	36442800						
	54	36442801						
	54	36442802						
	54	36442803						
	54	36442804						
	54	36442805						
	54	36442806						
	54	36442807						
	54	36442808						
	54	36241990						
	54	36241991						
	54	36241992						
	54	36241993						
	54	36241994						
	54	36241995						
	54	36241996						
	54	36241997						
	54	37554597						
	54	37554598						
	54	37554599						
	54	38746056						
	54	38746057						
	54	38746058						
	54	38746059						
	54	38746070						
	54	38746071						
	54	37049290						
	54	37049291						
	54	37049292						
	54	37049293						
	54	37049294						
	54	37049295						
	54	37049296						
	54	37049297						
	54	37049298						
	54	38784400						
	54	38784401						

MSRN Number Range(s)								
	54	38784402						
	54	38784403						
	54	38784404						
	54	38784405						
	54	22574520						
	54	22574521						
	54	22574522						
	54	22574523						
	54	22574524						
	54	22574525						
	54	26145580						
	54	26145581						
	54	26145582						
	54	26145583						
	54	26145584						
	54	26145585						
	54	29644620						
	54	29644621						
	54	29644622						
	54	29155280						
	54	29155281						
	54	29155282						
	54	29155283						
	54	29155284						
	54	29155285						
	54	29444533						
	54	22844620						
	54	22844621						
	54	22844622						
	54	23444940						
	54	23444941						
	54	23444942						
	54	23444943						
	54	23444944						
	54	23444945						
	54	23444946						
	54	23444947						
	54	23444948						
	54	22624626						
	54	22624627						
	54	22624628						
	54	22414011						
	54	22414012						
	54	22414013						
	54	26644721						
	54	26644722						
	54	26450001						

MSRN Number Range(s)								
	54	26450002						
	54	29205994						
	54	29205995						
	54	29205996						
	54	29546346						
	54	29546347						
	54	29546348						
	54	28045000						
	54	28045001						
	54	28045002						
	54	29664623						
	54	29666895						
	54	29666896						
	54	23024520						
	54	23024521						
	54	23024522						
	54	29423720						
	54	29423721						
	54	29423722						
	54	26044625						
	54	26044626						
	54	26044627						
	54	29745204						
	54	29745205						
	54	29745206						
	54	11	708500	708549				
	54	11	708600	708649				
	54	11	708700	708749				
	54	11415567						
	54	11533014						
	54	23144380						
	54	23144381						
	54	23144382						
	54	23144383						
	54	23144384						
	54	35847390						
	54	35847391						
	54	35848978						
	54	35848979						
	54	35345790						
	54	35345791						
	54	35345792						
	54	35143710						
	54	35143711						
	54	35143712						
	54	35143713						
	54	35143715						

MSRN Number Range(s)								
	54	35143718						
	54	35143720						
	54	35143722						
	54	35143724						
	54	35143727						
	54	351	43780	43789				
	54	34146771						
	54	34146773						
	54	34146775						
	54	34147515						
	54	34147542						
	54	34147560						
	54	341	47571	47574				
	54	341	47576	47579				
	54	34147589						
	54	34826582						
	54	35644778						
	54	34348191						
	54	34348197						
	54	34348198						
	54	34348199						
	54	34348470						
	54	34348471						
	54	34348472						
	54	345	43590	43593				
	54	38044870						
	54	38044878						
	54	35143721						
	54	38344870						
	54	38344871						
	54	38344878						
	54	381	47080	47088				
	54	38147090						
	54	38147091						
	54	38148973						
	54	381	48975	48979				
	54	38546090						
	54	34826580						
	54	34826583						
	54	34826584						
	54	34826581						
	54	377	74470	74473				
	54	38764770						
	54	38764771						
	54	36444410						
	54	364	44412	44419				
	54	36444470						

MSRN Number Range(s)								
	54	373	14950	14959				
	54	373	54500	54509				
	54	34824479						
	54	36244572						
	54	36244573						
	54	362	44575	44578				
	54	36244770						
	54	376	44730	44733				
	54	376	44770	44774				
	54	375	14970	14973				
	54	38746092						
	54	38746094						
	54	38746097						
	54	38746098						
	54	387	49871	49879				
	54	37044703						
	54	37044704						
	54	370	44771	44775				
	54	370	44777	44779				
	54	387	84476	84478				
	54	22350000						
	54	22350003						
	54	22350005						
	54	22350006						
	54	22350070						
	54	26145597						
	54	26148092						
	54	29015230						
	54	29443726						
	54	22350071						
	54	11415566						
	54	11510074						
	54	23465865						
	54	23465866						
	54	22350073						
	54	22350076						
	54	266	42470	42473				
	54	26440266						
	54	26440269						
	54	26450000						
	54	29951399						
	54	29204521						
	54	22350077						
	54	29146081						
	54	28045009						
	54	29666899						
	54	22350079						

MSRN Number Range(s)								
	54	22415032						
	54	22415033						
	54	22624624						
	54	23464529						
	54	29544727						
	54	29424529						
	54	29950017						
	54	29950018						
	54	29951396						
	54	26148093						
	54	35143723						
	54	29146085						
	54	11	415560	415565				
	54	11415571						
	54	11	415580	415582				
	54	11415586						
	54	11510012						
	54	11	510015	510018				
	54	11	510021	510026				
	54	11	510030	510047				
	54	11510049						
	54	11	510051	510060				
	54	11	510063	510066				
	54	11510073						
	54	11510075						
	54	11510076						
	54	11	510080	510089				
	54	23045181						
	54	23045182						
	54	34844021						
	54	34844022						
	54	34844023						
	54	34844025						
	54	34844026						
	54	34895026						
	54	34895027						
	54	11510038						
	54	29544728						
	54	34348478						
	54	35143791						
	54	35345704						
	54	11510011						
	54	11510061						
	54	22346076						
	54	22346077						
	54	22350007						
	54	22350078						

MSRN Number Range(s)								
	54	26044624						
	54	26145598						
	54	26148094						
	54	34147569						
	54	35143729						
	54	35143799						
	54	35345799						
	54	29544820						
	54	29544821						
	54	29544822						

E. 212 Number series	Mobile Country Code (MCC)	Mobile Network Code (MNC)
	722	34

E. 214 Mobile Global Title (MGT)	Country Code of MGT (CC)	Network Code of MGT (NC)
	54	34

Does Number Portability apply ?	Yes
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Is 15 Digit MSISDN Supported ?	No
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Additional Information
NEW DIALING MODALITY
Following is the new dialing modality established by the Communications Secretary of Argentina.
It must be used when calling from any country, except from Argentina, to CPP
(Calling party Pays)mobile numbers in Argentina without caring the location
of this mobile at the moment of the call. (See all Telecom Personal ranges below).
As from October 7, 2002, a new digit (9) shall be added to mobile numbers when dialing from abroad,
all incoming calls to CPP mobile numbers in Argentina shall have the following format:
54 + 9 + AREA CODE + CUSTOMER MOBILE NUMBER
-
How to dial to a CPP mobile number in Argentina (e.g. dialing to a mobile from Buenos Aires City which
area code is 11).
Dialing format from the abroad after October 7, 2002
+ 54 9 11 XXXX XXXX
-
All national numbers in Argentina have a length of 10 digits. The area codes can have 2, 3 or 4 digits
resulting in local numbers with lengths of 8, 7 or 6 digits respectively.
-
-
CALL FORWARDING
Due to the implementation of the above New Dialing Modality all Call Forwarding must be loaded in the
international format following below instructions:
Forwarding to a CPP mobile from Argentina
The call forwarding number must be loaded adding digit 9 after the Country Code:
Example: +54 9 11 5174 1111
-
Forwarding to a fix or MPP mobile from Argentina
The call forwarding number must be loaded as it is, WITHOUT adding any digit:

Additional Information
Example: +54 11 4706 9238
-
REQUIREMENT FOR SMS INTERWORKING
According to the dialing modality in use today for calling CPP NDC ranges of Argentina from abroad (see above), which require including digit 9 after country code (54), we ask you please to analyze the following implementation in your SMSCs.
In order to do not open our NDCs in your STPs twice (with and without digit 9 after country code), perform +549 to +54 translation at your SMSCs.
-
MSISDN
The MSISDN range complies with the GSM 03.03 and the CCITT E.164 and has a fixed length of 12 digits.
MSISDN (E.164) = CC(E.164) + NDC(E.164) + SN(E.164)
-

History of changes

Date	Description
2019-12-23	remove MSISDN range 54114091000 to 541140999999
2017-10-20	add MSRN 29544820,29544821,29544822
2017-06-14	ADD MSRN
2017-06-14	ADD MSRN
2017-06-14	ADD MSRN
2017-06-14	ADD MSRN
2017-06-14	ADD NEW MSRN FROM 5435847390 to the END line
2017-06-12	ADD NEW MSRN 11415567,11533014, 5423144380&&5423144384
2017-04-17	ADD MSRN RANGE
2017-04-17	ADD NEW MSRN From 26644720
2017-04-17	ADD NEW MSRN RANGE From 5426644720 to 5411708749
2017-01-19	Add MSRN from 5423045183 to 543434845
2017-01-19	ADD MSRN to line 5411415573
2016-10-03	Modify range 54222545200 & 542923596000
2016-10-03	ADD MSRN FROM 5434824471 at the end.
2016-05-18	New MSISDN
2016-05-16	NEW MSRN Ranges from 5435634950 to 5435644425
2016-04-01	NEW MSRN from this line 54-35847396
2015-11-18	ADD NEW MSRN RANGS FROM 5435847392 to 5426044623
2015-10-07	ADD MSRN from 54-35848970 to 54-11415585
2015-07-16	ADD MSRN FROM line 5422414014
2015-04-27	ADD NEW MSRN (11533015 to 28042225)
2015-03-11	Add MSRN from line 5437774400 to line 5429666894
2014-10-10	add msisdn
2014-10-09	ADD NEW MSRN
2014-10-09	ADD NEW MSRN
2014-07-08	New MSRN
2014-07-08	new mww
2014-07-08	New Ranges MSRN
2014-06-13	dd new MSRN Ranges
2014-06-04	pepeasdfsdf

Date	Description
2013-05-09	CCITT E.164 Number series: MSRN Number Ranges update
2012-11-10	E.164 new number ranges update: 543704500000 to 543704619999
2012-09-25	E.164 new number ranges update: 541124500000 to 541126299999
2012-04-19	ROUTING INFORMATION CCITT E164 Number series and MSRN Number Ranges updates Old NDCs->New NDCs 3833->3834, 3822->3804, 3461->3364, 2293->2494, 2362->2364, 3488->3484, 2322->2304, 3717->3704
2012-04-01	Number portability launch
2012-02-14	ROUTING INFORMATION CCITT E164 Number series and MSRN Number Ranges updates Old NDCs->New NDCs 3783->3794, 3722->3624, 3534->3537, 2623->2634, 2627->2604, 3732->3644

INTERNATIONAL SCCP GATEWAY

TADIG code: ARGTP

Section ID: 5 (Optional)

Effective date of change: 2017-10-20

International SCCP carrier list	
SCCP carrier name:	COMFONE
Connectivity information:	Primary
Comments:	COMFONE is our Primary SCCP CARRIER
MNO TADIG code list:	
DPC info:	
Signature:	Lausanne –Savoie Comfone STP CSP1
Type:	STP
International DPC:	2.61.6
Comments:	
DPC info:	
Signature:	Bern- Baumgarten Comfone STP CSP 2
Type:	STP
International DPC:	2.61.7
Comments:	
SCCP carrier name:	Telecom Personal
Connectivity information:	Backup
MNO TADIG code list:	
DPC info:	
Signature:	Telecom Personal
Type:	ISC
International DPC:	7.42.2
Comments:	
DPC info:	
Signature:	Telecom Personal
Type:	ISC
International DPC:	7.42.3
Comments:	
SCCP carrier name:	BICS Belgacom
Connectivity information:	Backup
Comments:	BICS, BACKUP SCCP Carrier
MNO TADIG code list:	
DPC info:	
Signature:	BICS Belgacom
Type:	STP/SCCP
International DPC:	2.56.6
Comments:	FOR ANSIROAMING PARTNERS Geneve, Switzerland STPs

DPC info:	
Signature:	BICS Belgacom
Type:	STP/SCCP
International DPC:	2.56.7
Comments:	for itu roaming partners Zurich, Switzerland STPs

DPC info:	
Signature:	BICS Belgacom
Type:	STP/SCCP
International DPC:	2.13.1
Comments:	FOR ANSI ROAMING PARTNERS Brussels, Belgium STPs

DPC info:	
Signature:	BICS Belgacom
Type:	STP/SCCP
International DPC:	2.14.7
Comments:	FOR ITU ROAMING PARTNERS Brussels Belgium STPs

DPC info:	
Signature:	BICS Belgacom
Type:	STP/SCCP
International DPC:	3.181.5
Comments:	FOR ANSI ROAMING PARTNERS New York, USA STPs

DPC info:	
Signature:	BICS Belgacom
Type:	STP/SCCP
International DPC:	3.181.6
Comments:	FOR ITU ROAMING PARTNERS Ashburn, USA STPs

History of changes

Date	Description
2017-10-20	ADD NEW SCCP CARRIER Backup - BICS Belgacom
2017-09-01	NEW CARRIER COMFONE (DELETE TIS from your NETWORK)
2017-07-07	Point 2.45.4 & 2.46.2 BACKUP (until End of July 2017)
2017-07-05	COMFONE is our Primary SCCP carrier and TIS is Backup (until End of July 2017)
2017-07-04	COMFONE is our Primary SCCP carrier and TIS is Backup (until End of July 2017)
2017-06-26	NEW SCCP CARRIER - COMFONE
2011-11-24	No changes

SUBSCRIBER IDENTITY AUTHENTICATION

TADIG code: ARGTP

Section ID: 8 (Optional)

Effective date of change: 2011-06-02

Authentications	Performed (Yes / No)
Authentication performed for Roaming subscribers at the commencement of GSM service	Yes
Authentication performed for roaming subscribers in case of GPRS	Yes
A5 Cipher Algorithm version in use	A5/1

History of changes

Date	Description
2011-06-10	No changes

Test Numbers Information

TADIG code: ARGTP

Section ID: 9 (Optional)

Effective date of change: 2020-04-01

Number Type	Test Number	Location	Comments
AAC	541151009098	Buenos Aires	
AAC	542234949999	Mar del Plata	
AAC	541154800480	Buenos Aires	
AAC	541147019999	Buenos Aires	

History of changes

Date	Description
2020-04-01	New AAC test NUMBER
2020-03-20	Change AAC TEST NUMBER

MOBILE APPLICATION PART (MAP)

TADIG code: ARGTP

Section ID: 10 (Optional)

Effective date of change: 2011-06-02

Interworking specifically for roaming				
Application context name	Current version in			Comments
	Inbound roaming		Outbound roaming	
	MSC/VLR	SGSN	Outbound roaming	
networkLocUp	MAPv3	N/A	MAPv3	
roamingNumberEnquiry	MAPv3	N/A	MAPv3	
InfoRetrieval	MAPv3	-	MAPv3	
subscribeDataMngt	MAPv3	-	-	
networkFunctionalSs	MAPv2	N/A	MAPv2	
mwdMngt	MAPv3	MAPv3	MAPv3	
shortMsgMT-Relay (called shortMsgRelay in v1)	MAPv2	-	MAPv2	
shortMsgMO-Relay (called shortMsgRelay in v1)	MAPv3	-	MAPv2	
ss-InvocationNotification	MAPv3	N/A	-	
subscriberInfoEnquiry	MAPv3	-	MAPv3	
gprsLocationUpdate	N/A	-	MAPv3	
locationCancellation	MAPv2	-	MAPv3	
msPurging	MAPv2	-	MAPv3	
reset	MAPv2	-	MAPv2	
networksUnstructuredSs	MAPv2	N/A	-	
reporting	-	N/A	-	
callCompletion	-	N/A	-	
istAlerting	-	N/A	-	
service Termination	-	N/A	-	
locationSvcGateway	N/A	N/A	MAPv3	
mm-EventReporting	-	N/A	-	
authenticationFailureReport	-	-	-	
imsiRetrieval	-	N/A	-	
gprsNotifyContext	N/A	-	-	
gprsLocationInfoRetrieval	N/A	-	-	
faillureReport	N/A	-	-	
secureTransportHandling	-	-	-	

History of changes

Date	Description
2011-06-10	No changes

MAP Optimal Routing Section

TADIG code: ARGTP

Section ID: 11 (Optional)

Effective date of change: 2011-06-02

MAP Optimal Routing of mobile - to - mobile calls

Application Context Name	Current version in			Comments
	MSC	GMSC	HLR	
CallControlTransfer	MAPv3	MAPv3	N/A	
LocationInfoRetrieval	N/A	MAPv3	MAPv3	

History of changes

Date	Description
2011-06-10	No changes

MAP Inter Operator SMS Enhancement

TADIG code: ARGTP

Section ID: 12 (Optional)

Effective date of change: 2011-06-02

Inter - Operator SMS Enhancement

Application context name	Current version in			Comments
	SMS - IWMSC	SMS - GMSC	HLR	
shortMsgGateway	N/A	MAPv3	MAPv3	
shortMsgAlert	MAPv2	N/A	MAPv2	

History of changes

Date	Description
2011-06-10	No changes

NETWORK ELEMENTS INFORMATION

TADIG code: ARGTP

Section ID: 13 (Optional)

Effective date of change: 2020-04-02

Node type	Node ID	GT address / Address range	IP address / Address range	IPv6 address / Address range	Vendor info	SW / HW version	UTC offset
MMSC	MMSC01	54 34990103			Ericsson		-03:00
SCP	SCP01	54 1151740073			Ericsson		-03:00
SCP	SCP02	54 1151740074			Ericsson		-03:00
SCP	VPN	54 34990000			Ericsson		-03:00
SMSC		54 1151740011					-03:00
SMSC		54 1151740048					-03:00
SMSC		54 1151740050					-03:00
SMSC		54 1151740051					-03:00
SMSC		54 1151740055					-03:00
SMSC		54 1151740056					-03:00
SMSC		54 34990015					-03:00
SMSC		54 34990016					-03:00
SMSC		54 34990017					-03:00
SMSC		54 34990018					-03:00
SMSC		54 34990048					-03:00
SMSC		54 34990070					-03:00
SMSC		54 34990071					-03:00
SMSC		54 34990072					-03:00
SMSC		54 34990073					-03:00
SMSC		54 34990074					-03:00
SMSC		54 34990075					-03:00
SMSC		54 34990076					-03:00
SMSC		54 34990077					-03:00
SMSC		54 34990117					-03:00
SMSC		54 34990118					-03:00
SMSC		54 34990130					-03:00
SMSC		54 34990131					-03:00
SMSC		54 34990132					-03:00
SMSC		54 34990133					-03:00
SMSC		54 34990134					-03:00
SMSC		54 34990135					-03:00
SMSC		54 34990136					-03:00
SMSC		54 34990137					-03:00
SMSC		54 34990138					-03:00
SMSC		54 34990139					-03:00
HLR		54 34990140					-03:00
HLR		54 34990141					-03:00
SMSC		54 34990142					-03:00
SMSC		54 34990143					-03:00
SMSC		54 34990144					-03:00
SMSC		54 34990145					-03:00
SMSC		54 34990150					-03:00
SMSC		54 34990151					-03:00
SMSC		54 34990154					-03:00
SMSC		54 34990155					-03:00
SMSC		54 1151740052					-03:00
SMSC		54 1151740054					-03:00
SMSC	RTR1	54 34990072					-03:00
SMSC	RTR2	54 34990073					-03:00
SMSC	RTR3	54 34990074					-03:00
SMSC	RTR4	54 34990075					-03:00
SMSC	RTR5	54 34990076					-03:00
SMSC	RTR6	54 34990077					-03:00
SMSC	RTR7	54 34990078					-03:00
SMSC	RTR8	54 34990079					-03:00
SMSC	RTR9	54 34990080					-03:00
SMSC	CLI-RTR1	54 34990081					-03:00
SMSC	CLI-RTR2	54 34990082					-03:00
SMSC	CLI-RTR3	54 34990083					-03:00
SMSC	CLI-RTR4	54 34990084					-03:00
SMSC	CLI-RTR5	54 34990085					-03:00

Node type	Node ID	GT address / Address range	IP address / Address range	IPv6 address / Address range	Vendor info	SW / HW version	UTC offset
SMSC	CLI-RTR6	54 34990086					-03:00
SMSC	CLI-RTR7	54 34990087					-03:00
SMSC	CLI-RTR8	54 34990088					-03:00
SMSC	CLI-RTR9	54 34990089					-03:00
SMSC		54 1151740089					-03:00
MSC/VLR-2G+3G		54 34 990400 / 990499			ERICSSON		-03:00
MSC/VLR-2G+3G		54 34 990500 / 990599			ERICSSON		-03:00
PGW	PGW1MUNa		181.88.119.184/29				-03:00
PGW	PGW1MUNb		181.88.119.192/30				-03:00
PGW	PGW1BELa		181.88.119.196/29				-03:00
PGW	PGW1BELb		181.88.119.204/30				-03:00
MME	MME1CLI	54 34990044	181.88.119.232				-03:00
MME	MME1CLI	54 34990044	181.88.119.233				-03:00
MME	MME2CLI	54 34990045	181.88.119.234				-03:00
MME	MME2CLI	54 34990045	181.88.119.235				-03:00
MME	MME1MUN	54 34990042	181.88.119.235				-03:00
MME	MME1MUN	54 34990042	181.88.119.237				-03:00
MME	MME2MUN	54 34990043	181.88.119.238				-03:00
MME	MME2MUN	54 34990043	181.88.119.239				-03:00
MME	MME1BEL	54 34990040	181.88.119.246				-03:00
MME	MME1BEL	54 34990040	181.88.119.247				-03:00
MME	MME2BEL	54 34990041	181.88.119.248				-03:00
MME	MME2BEL	54 34990041	181.88.119.249				-03:00
PGW	PGW1MZAa		181.96.75.73/29				-03:00
PGW	PGW1MZAa		181.96.75.81/30				-03:00
PGW	PGW1BHBa		181.96.75.57/29				-03:00
PGW	PGW1BHBb		181.96.75.67/30				-03:00
PGW	PGW1TUCa		181.96.75.43/29				-03:00
PGW	PGW1TUCb		181.96.75.51/30				-03:00
PGW	PGW1CORa		181.96.75.29/29				-03:00
PGW	PGW1CORb		181.96.75.37/30				-03:00
PGW	PGW1ROSa		181.96.75.15/29				-03:00
PGW	PGW1ROSc		181.96.75.23/30				-03:00
PGW	PGW1RESa		181.96.75.1/29				-03:00
PGW	PGW1RESb		181.96.75.9/30				-03:00
MSC/VLR-2G+3G	MUN1MSC	54 1151740094			HUAWEI		-03:00
MSC/VLR-2G+3G	BEL1MSC	54 1151740093			HUAWEI		-03:00
MSC/VLR-2G+3G	CLI1MSC	54 1151740092			HUAWEI		-03:00
HLR	Clinicas	54 1151740014			Huawei		-03:00
HLR	Belgrano	54 1151740015			Huawei		-03:00
HLR	Munro	54 1151740016			Huawei		-03:00
MSC/VLR-2G+3G		54 34 990200 / 990214			Huawei		-03:00
PGW	PGW1CLia		181.88.119.208/29				-03:00
PGW	PGW1CLib		181.88.119.216/30				-03:00
PGW	PGW2CLia		190.224.101.39/32				-03:00
PGW	PGW2CLib		190.224.101.40/29				-03:00
PGW	PGW2CLic		190.224.101.48/30				-03:00
PGW	PGW2MUNa		181.88.119.220/30				-03:00
PGW	PGW2MUNb		181.88.119.223/29				-03:00
HLR		54 34990147					-03:00
SMSC		54 1151740047					-03:00
SMSC		54 34990146					-03:00
SMSC		54 34990152					-03:00
SMSC		54 34990153					-03:00

History of changes

Date	Description
2020-04-02	New Elemen Network (5434990140;5434990141;5434990147;541151740047;5434990146;5434990152;5434990153)
2019-10-04	New PGW nodes (PGW1CLI, PGW2CLI,PGW2MUN)
2019-10-04	new IP PGW2Munb
2019-06-21	new VLR/MSC node (GT 5434990200&&5434990214)

Date	Description
2018-12-04	Remove node SGSN Ericsson
2018-12-04	Delete old MSC/VLR
2018-07-12	Remove OLD HLRs (HLR01,HLR04,HLR06,MTD2HLR,MTD1HLR,CLI1HLR ,HLR02,HLR03,HLR07,,HLR05,HLR08,HLR09,,CLI2HLR ,DAR2HLR)
2017-11-01	Modify GT of HLR Cinicas, Munro and Belgrano. New GT : 541151740014,541151740015;541151740016
2017-10-26	Add NEW HLR/HSS (GT=541151000228,541151000229,541151000230,541151000231
2017-07-21	Delete SGW and PGW (GG02MU; GG02BE;SSRRO;PGWSSRROS;SGWSSRROS;PGWSSRCBA;SGWSSRCBA
2016-10-12	New Network Node Huawei
2016-10-03	ADD new nodes MME&PGW
2015-12-02	ADD NEW MSC RANGE 5434990400/499 and 5434990500/599
2015-06-17	ADD New SMSC
2015-05-19	MOD. SGSN IP
2015-03-13	SGW & PGW
2015-03-13	ADD Network nodes SGW & PGW
2014-06-11	ADD NEW NODES SMSC, HLR AND MSC/VLR
2014-06-02	Node ID CLI1BC & DAR2BC
2014-06-02	New nodes MSC/VLR and HLR
2014-05-14	ADD GT in SGSN
2014-04-22	modify UTC Time
2014-04-22	Updating new SGSN nodes and SMSC
2012-09-25	New network node Global Titles: MSC/VLR: 5434990245, SGSN: 541151740065, 541151740066, 541151740067, 541151740068, 5434990265, 5434990266, 5434990267 and 5434990268
2012-04-19	New network node Global Titles: MSC/VLR: RES1MSS 541151740078, MTD1MSS 541151740046, ANA1MSS 541151740045
2012-04-19	New network node Global Titles: MSC/VLR: RES1MSS 5434990278, MTD1MSS 5434990246, ANA1MSS 5434990245
2012-04-19	New network node Global Titles: HLR: CLI1HLR 541151740047

USSD Information

TADIG code: ARGTP
Section ID: 14 (Optional)
Effective date of change: 2011-06-02

USSD capability available	Yes
Supported phase	Phase 1

History of changes

Date	Description
2011-06-10	No changes

CAMEL INFO

TADIG code: ARGTP

Section ID: 15 (Conditional)

Effective date of change: 2011-06-02

gsmSSF/MSC

CAP Version supported (Inbound)	CAP Version supported (Outbound)
CAPv2 CAPv1	CAPv2

CAPv4 Partial Implementations

CAMEL Phase 4 CSIs:	Supported (Yes / No)	<i>Planned Date</i>
MT-SMS-CSI		
MG-CSI		
PSI Enhancements		

History of changes

Date	Description
2011-06-10	No changes

Packet Data Services Information

TADIG code: ARGTP

Section ID: 16 (Conditional)

Effective date of change: 2019-03-20

List of APN Operator Identifiers

APN Operator Identifier	Description	Example
mnc034.mcc722.gprs		
mnc034.mcc722.3gppnetwork.org		

List of APN's available for testing and troubleshooting**APN WEB List**

APN Credential			APN Type	ISP DNS IP address (primary)	ISP DNS IP address (secondary)
APN	Username	Password			
gprs.personal.com	blank	blank	H-APN		
datos.personal.com	blank	blank	H-APN		

APN WAP List

APN Credential			APN Type	WAP Gateway	WAP Server URL	WAP Port ver 1	WAP Port ver 2
APN	Username	Password		IP address			
gprs.personal.com	blank	blank	H-APN	172.16.0.20	http://wap.personal.com.ar	9201 8080	

APN MMS List

APN	APN Credential		WAP Gateway IP address for MMS	Messaging Server URL
	Username	Password		
mms	blank	blank	172.25.7.31	http://mms.personal.com

IPv6 Connectivity Information

	IPv6 PDP Supported	IPv4v6 PDP Supported
SGSN Support	No	No
GGSN Support	No	No

List of 2G/3G QOS profiles

Profile name:	Dummy
Traffic class:	Conversational
ARP:	1
Evolved ARP support:	Yes
Evolved ARP priority level:	1
Evolved APR preemption vulnerability list:	
Evolved APR preemption capability list:	
Maximum bit rate uplink:	123
Maximum bit rate downlink:	1234
Delivery order:	Yes

GTP Version

SGSN	GTPv1
GGSN	GTPv1

List of Data Service supported

2G Data Services	Multislot Class Capability
GPRS	
EDGE	

3G Data Services	UE 3G Category
HSDPA	2
HSUPA	1
3GPP	

Multiple PDP Context Support

Number of Primary PDP Context	Not supported
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History of changes

Date	Description
2019-03-20	remove APN mnc341.mcc722.gprs
2019-03-20	add Type of APN
2015-05-05	New APN LTE Operator Identifier
2015-04-27	NEW APN datos.personal.com
2011-06-10	No changes

IP - Roaming and IP - Interworking Information

TADIG code: ARGTP

Section ID: 17 (Conditional)

Effective date of change: 2017-11-01

List of All IP address ranges used by PMN for connection to inter - PMN IP backbone	IP Address Range
	200.43.139.64/26
	200.43.168.0/27
	200.43.168.32/27
	200.43.168.64/27
	200.43.168.96/27
	200.43.168.128/27
	200.43.168.160/27
	200.43.168.192/27
	200.43.168.224/27
	190.224.101.0/24
	186.125.172.0/28
	190.226.172.96/27
	181.88.80.0/25
	181.88.119.0/24
	190.225.250.128/29
	190.225.250.136/29
	190.225.250.144/29
	181.88.119.184/29
	181.96.75.0/26
	181.96.75.64/27
	181.88.119.0/24

List of Autonomous System Number (ASN):	ASN
	64763
	64763

List of Autonomous System Number (ASN4B):	ASN4B
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List of PMN authoritative DNS server IP addresses and names		
IP address	IPv6 address	DNS Name
181.88.119.170		DNS1MUN
181.88.119.162		DNS1CLI
181.88.119.178		DNS1BEL
181.88.119.174		DNS1MUN
181.88.119.166		DNS1CLI
181.88.119.182		DNS1BEL

List of GRX Providers	GRX Provider
	COMFONE COMFONE_LTE BICS Belgacom (backup) BICS Belgacom_ LTE (backup)

History of changes

Date	Description
2017-11-01	Add GRX Provider BICS (backup)
2017-10-19	DELETE DNS 190.224.101.33 and 190.224.101.34
2017-10-19	Remove TIS GRX provider
2017-07-24	TIS GRX Provider will be active Primary until End of July 2017
2017-07-21	Put in service DNS1MUN&DNS1CLI&DNS1BEL. the DNS 190.224.101.33&190.224.101.34 will be in service until 20/09/2017
2017-07-07	Modification of IP range (add value 181.96.75.0/26;181.96.75.64/27;181.88.119.0/24)
2017-07-07	Modification of IP range (add value 181.96.75.0/26;181.96.75.64/27;181.88.119.0/24)
2017-06-26	ADD NEW IP from 181.96.75.73/29 to 181.88.119.196/29

Date	Description
2015-11-05	DELETE DNS0,DNS1,DNS2,DNS3 with IPs (200.43.139.95;200.43.139.96;200.43.139.114;200.43.139.117)
2015-05-19	DEL IP 190.225.250.128/27 and ADD 190.225.250.128/29,190.225.250.136/29,190.225.250.144/29
2015-05-05	ADD DNS LTE
2015-04-10	ADD GRX_LTE provider and DNS by LTE
2015-03-13	ADD IP 181.88.119.0/24
2014-07-02	New GGSN Ranges
2014-06-13	MODIFY /29 BY 190.225.250.128/27
2014-04-22	New DNS bring in service on 2014-05-08 (190.224.101.33 &190.224.101.34)
2013-12-17	Resumarize IP /29. Was detected an error in IR21 version 59
2013-12-05	Modify mask of IP /32 to /29
2013-10-24	IP Inter PLNM - modify mask
2013-10-21	IP Interworking chage
2011-06-10	No changes

LTE Roaming Information

TADIG code: ARGTP

Section ID: 20 (Optional)

Effective date of change: 2017-11-12

IPX Provider Name	IPX DA Realm Used	Diameter Architecture
COMFONE (Primary)		
Primary IP address of DA	Secondary IP address of DA	
IPX Provider Name	IPX DA Realm Used	Diameter Architecture
BICS Belgacom (Backup)		
Primary IP address of DA	Secondary IP address of DA	
94.102.166.168	94.102.166.184	
94.102.166.199	94.102.166.215	

Roaming Interconnection

EPC Realms For Roaming
epc.mnc034.mcc722.3gppnetwork.org

FQDN Diameter Edge Agent

FQDN	Primary IP Address DEA FQDN	Secondary IP Address DEA FQDN
S6a Supported without IWF	S6a MAP IWF supported to HSS	S6a MAP IWF supported to MME
true	false	false
S6d used for legacy SGSN	S9 used for PCC	
false	false	

SMS ITW

SMS delivery over IP	SMS delivery over NAS
false	true

Voice ITW

CSFB

Roaming CS Fallback

Not Supported

		HPMN	VPMN
LTE Roaming Agreement Only	LTE Only Roaming Supported	No	No
2G/3G Roaming Agreement Only	Scenario 2 Supported	Yes	Yes
	Scenario 3 Supported	Yes	No
2G/3G/LTE Roaming Agreement	Scenario 1 Supported	Yes	Yes
	Scenario 2 Supported	Yes	Yes
	Scenario 3 Supported	No	No
	Scenario 4 Supported	No	No
	Scenario 5 Supported	No	No
	Scenario 6 Supported	No	No

List of LTE QOS profiles

Profile name:	General
QCI Value List:	9
QOS ARP List:	14
ARP Preemption Vulnerability List:	1
ARP Preemption Capability List:	1

IPv6 Connectivity Information

	IPv6 PDP Supported	IPv4v6 PDP Supported
MME Support	No	No
SGW Support	No	No
PGW Support	No	No

Information for Diameter certificates exchange**History of changes**

Date	Description
2017-11-12	ADD BICS DRA (dra01ashb.dra.bics.3gppnetwork.org IP pri:94.102.166.168:IP sec:94.102.166.184/ dra01nyk.dra.bics.3gppnetwork.org IP pri:94.102.166.199 IP sec: 94.102.166.215)
2017-11-12	FQDN BICS
2017-11-01	NEW IPX Provider BICS (backup)
2017-09-01	IPX Provider COMFONE
2017-07-24	New IPX PROVIDER COMFONE (TIS willbe active until End of July 2017)
2016-10-03	LTE IPX provider TIS
2015-05-04	DEA IP
2015-04-30	LTE INFO
2015-04-30	ADD EPC
2015-04-30	ADD IP address DEA
2015-04-13	S9 hostname added by Roamsys
2015-04-10	ARP data
2015-04-10	Add LTE

CONTACT INFORMATION

TADIG code: ARGTP

Section ID: 21 (Optional, Repeating)

Effective date of change: 2019-10-04

List of Roaming Troubleshooting Contact Information**Roaming Troubleshooting Contact Information**

Location		Buenos Aires, Argentina	
Office Time Zone in UTC		-03:00	
Office Hours	Week Day (s)	Start Time	End Time
	Mon Tue Wed Thu Fri	09:00:00	18:00:00

Main Contact for Troubleshooting (Office Hours)

Team Name	Tel.	Mobile	Fax	Email
Roaming Specialist Troubleshooting	5491168599898			IRtroubleshooting@teco.com.ar

Escalation Contact for Troubleshooting

Person Name	Tel.	Mobile	Fax	Email
Mr. Luis Sayago		+5491169795379		lasayago@teco.com.ar

24 x 7 Troubleshooting (contact out of Office Hours)

Team Name	Tel.	Mobile	Fax	Email
NOC – CSN Movil (Centro de Supervisión nacional)	541149682914			csrtp@teco.com.ar

Roaming Troubleshooting Contact Information

Location		Buenos Aires	
Office Time Zone in UTC		-03:00	
Office Hours	Week Day (s)	Start Time	End Time
	all week days	00:00:00	23:59:00

Main Contact for Troubleshooting (Office Hours)

Team Name	Tel.	Mobile	Fax	Email
NOC – CSN Movil (Centro de Supervisión nacional)	541149682914			csrtp@teco.com.ar

Escalation Contact for Troubleshooting

Person Name	Tel.	Mobile	Fax	Email
Mr Juan Manuel Rodriguez Feijo		+5491168544681		jmrodriguezfeijo@teco.com.ar

24 x 7 Troubleshooting (contact out of Office Hours)

Team Name	Tel.	Mobile	Fax	Email
NOC – CSN Movil (Centro de Supervisión nacional)	541149682914			csrtp@teco.com.ar

Roaming Troubleshooting Ticketing System Information

Ticket system web address

Ticket system email address

Additional Contacts**SCCP Inquires and ordering of SS7 Routes**

Person Name	Tel.	Mobile	Fax
NOC Comfone			
JobTitle		Email	
STP provider SS7 Provisioning		noc@comfone.com	

Roaming Coordinator

Person Name	Tel.	Mobile	Fax
Mrs Analia Leonelli	+541149687627		
JobTitle		Email	
Roaming Coordinator		AVLeonelli@teco.com.ar	

IREG Tests

Person Name	Tel.	Mobile	Fax
Omar Fernandez			
JobTitle		Email	
IREG Testing, Network and Signaling Issues		implementacionroaming@teco.com.ar	
Person Name	Tel.	Mobile	Fax
Mr Francisco Macchi			
JobTitle		Email	
IREG Test		implementacionroaming@teco.com.ar	

TADIG Tests

Person Name	Tel.	Mobile	Fax
Mr Greco Diego Hernan			
JobTitle		Email	

TAP and TADIG Issues	DHgreco@teco.com.ar
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IR21 Distribution Email Address	Email
	AsuntosInternacionales@teco.com.ar

History of changes

Date	Description
2019-10-04	Change IREG contacts
2019-03-28	Modify IREG coordinator
2019-03-28	add IREG test
2019-03-20	contact IREG
2019-02-27	new mails
2017-10-20	contacts
2017-10-20	NOC escalation
2016-10-12	NOC Escalation contact
2016-10-12	Contact
2016-10-12	NOC Contact
2016-10-12	Main Contact
2016-10-12	Troubleshooting contact
2016-10-12	NOC Contact
2016-10-12	Contact NOC
2016-10-04	Add Escalation Contact
2016-10-04	Escalation contact Troubleshooting
2016-04-01	NEW TADIG Contact
2016-04-01	ADD NEW CONTACT
2015-10-07	New Contact
2014-04-22	Add SIM CARD handling
2014-04-22	New Distribution Email Address
2014-04-22	ADD contact IREG Coordinator
2014-04-22	IREG Coordinator
2013-05-09	IREG Tests: Contacts update
2012-09-21	New contacts update
2011-06-10	No changes

SECTIONS NOT IN USE

TADIG Code	Section ID	Section Name
ARGTP	6	Domestic SCCP Gateway
ARGTP	7	SCCP Protocol available at PMN for connection for International SS7 Roaming
ARGTP	18	MMS Interworking Information
ARGTP	19	WLAN Information
ARGTP	22	Hosted Networks
ARGTP	23	M2M Roaming Information
ARGTP	24	MVNO Information
ARGTP	26	VoLTE Roaming Information Section
ARGTP	27	LPWA Roaming Information Section

NETWORK

TADIG code: ARGVO

Section ID: 2 (Mandatory, Repeating)

TADIG code:	ARGVO
Network name:	TELECOM PERSONAL
Network type:	Terrestrial
Technology:	Frequency list:
2G-GSM frequencies:	GSM 850, PCS 1900
3G-UTRA/FDD frequencies:	5 - 850 MHz, 2 - PCS 1900
3G-UTRA/TDD frequencies:	Unsupported
4G-E-UTRAN frequencies:	Unsupported
4G-E-UTRAN-MIoT-LTE-M frequencies:	Unsupported
4G-E-UTRAN-MIoT-NB-IoT frequencies:	Unsupported
MIoT-NB-IoT deployment modes:	Unsupported
Presentation of country initials and MNN:	ARG
Abbreviated MNN:	ARGVOTP

NETWORK INFORMATION

TADIG code: ARGVO
Section ID: 3 (Mandatory)

The following information refer to the network identified by TADIG code ARGVO

ROUTING INFORMATION

TADIG code: ARGVO

Section ID: 4 (Mandatory)

Effective date of change: 2012-12-07

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC	MVNO Number	Location
MSISDN number ranges (s)								
	54	11						
Network Nodes Global Title Number Range(s)								
	54	115174						
	54	3499						

E. 212 Number series	Mobile Country Code (MCC)	Mobile Network Code (MNC)
	722	36

E. 214 Mobile Global Title (MGT)	Country Code of MGT (CC)	Network Code of MGT (NC)
	54	36

Does Number Portability apply ?	Yes
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Is 15 Digit MSISDN Supported ?	No
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Additional Information
E.164 number ranges idem ARGTP
E.212 MCC:722 MNC:36 is a second IMSI range of Telecom Personal Argentina

History of changes

Date	Description
2012-12-07	E.212 update: new IMSI range 72236 (MCC:722 MNC:36)
2012-09-25	No changes
2012-02-14	ROUTING INFORMATION CCITT E164 Number series and MSRN Number Ranges updates Old NDCs->New NDCs 3783->3794, 3722->3624, 3534->3537, 2623->2634, 2627->2604, 3732->3644

INTERNATIONAL SCCP GATEWAY

TADIG code: ARGVO

Section ID: 5 (Optional)

Effective date of change: 2017-10-23

International SCCP carrier list	
SCCP carrier name:	SCCP Carrier
Connectivity information:	Primary
Comments:	COMFONE is our Primary SCCP CARRIER
MNO TADIG code list:	
DPC info:	
Signature:	Lausanne –Savoie Comfone STP CSP1
Type:	STP
International DPC:	2.61.6
Comments:	Load sharing
DPC info:	
Signature:	Bern- Baumgarten Comfone STP CSP 2
Type:	STP
International DPC:	2.61.7
Comments:	Load sharing
SCCP carrier name:	SCCP Carrier
Connectivity information:	Backup
Comments:	dummy
MNO TADIG code list:	
DPC info:	
Signature:	Telecom Personal
Type:	ISC
International DPC:	7.42.2
Comments:	
DPC info:	
Signature:	Telecom Personal
Type:	ISC
International DPC:	7.42.3
Comments:	
SCCP carrier name:	SCCP Carrier
Connectivity information:	Backup
Comments:	BICS Belgacom SCCP Backup
MNO TADIG code list:	
DPC info:	
Signature:	BICS Belgacom
Type:	STP/SCCP
International DPC:	2.56.6
Comments:	FOR ANSI ROAMING PARTNERS Geneve,Switzerland STPs

DPC info:	
Signature:	BICS Belgacom
Type:	STP/SCCP
International DPC:	2.56.7
Comments:	FOR ITU ROAMING PARTNERS Zurich, Switzerland STPs

DPC info:	
Signature:	BICS Belgacom
Type:	STP/SCCP
International DPC:	2.13.1
Comments:	FOR ANSI ROAMING PARTNERS, Brussels, Belgium STPs

DPC info:	
Signature:	BICS Belgacom
Type:	STP/SCCP
International DPC:	2.14.7
Comments:	FOR ITU ROAMING PARTNERS Brussels, Belgium STPs

DPC info:	
Signature:	BICS Belgacom
Type:	STP/SCCP
International DPC:	3.181.5
Comments:	FOR ANSI ROAMING PARTNERS New York, USA STPs

DPC info:	
Signature:	BICS Belgacom
Type:	STP/SCCP
International DPC:	3.181.6
Comments:	FOR ITU ROAMING PARTNERS Ashburn, USA STPs

History of changes

Date	Description
2017-10-23	ARGVO: new SCCP Carriers (COMFONE primary and BICS Backup)
2017-07-10	ADD COMFONE like Primary SCCP Carrier & TIS is a backup until end of july 2017

SUBSCRIBER IDENTITY AUTHENTICATION

TADIG code: ARGVO

Section ID: 8 (Optional)

Effective date of change: 2011-06-02

Authentications	Performed (Yes / No)
Authentication performed for Roaming subscribers at the commencement of GSM service	Yes
Authentication performed for roaming subscribers in case of GPRS	Yes
A5 Cipher Algorithm version in use	A5/1

History of changes

Date	Description
2011-06-10	No changes

Test Numbers Information

TADIG code: ARGVO

Section ID: 9 (Optional)

Effective date of change: 2013-12-05

Number Type	Test Number	Location	Comments
AAC	541151009099	Buenos Aires	
AAC	543514907099	Córdoba	
AAC	543414759120	Rosario	
AAC	542901462099	Ushuaia	

History of changes

Date	Description
2013-12-05	Delete TADIG code

MOBILE APPLICATION PART (MAP)

TADIG code: ARGVO

Section ID: 10 (Optional)

Effective date of change: 2011-06-02

Interworking specifically for roaming				
Application context name	Current version in			Comments
	Inbound roaming		Outbound roaming	
	MSC/VLR	SGSN	Outbound roaming	
networkLocUp	MAPv3	N/A	MAPv3	
roamingNumberEnquiry	MAPv3	N/A	MAPv3	
InfoRetrieval	MAPv3	-	MAPv3	
subscribeDataMngt	MAPv3	-	-	
networkFunctionalSs	MAPv2	N/A	MAPv2	
mwdMngt	MAPv3	MAPv3	MAPv3	
shortMsgMT-Relay (called shortMsgRelay in v1)	MAPv2	-	MAPv2	
shortMsgMO-Relay (called shortMsgRelay in v1)	MAPv3	-	MAPv2	
ss-InvocationNotification	MAPv3	N/A	-	
subscriberInfoEnquiry	MAPv3	-	MAPv3	
gprsLocationUpdate	N/A	-	MAPv3	
locationCancellation	MAPv2	-	MAPv3	
msPurging	MAPv2	-	MAPv3	
reset	MAPv2	-	MAPv2	
networksUnstructuredSs	MAPv2	N/A	-	
reporting	-	N/A	-	
callCompletion	-	N/A	-	
istAlerting	-	N/A	-	
service Termination	-	N/A	-	
locationSvcGateway	N/A	N/A	MAPv3	
mm-EventReporting	-	N/A	-	
authenticationFailureReport	-	-	-	
imsiRetrieval	-	N/A	-	
gprsNotifyContext	N/A	-	-	
gprsLocationInfoRetrieval	N/A	-	-	
failureReport	N/A	-	-	
secureTransportHandling	-	-	-	

History of changes

Date	Description
2011-06-10	No changes

MAP Optimal Routing Section

TADIG code: ARGVO
Section ID: 11 (Optional)

Effective date of change: 2011-06-02

MAP Optimal Routing of mobile - to - mobile calls				
Application Context Name	Current version in			Comments
	MSC	GMSC	HLR	
CallControlTransfer	MAPv3	MAPv3	N/A	
LocationInfoRetrieval	N/A	MAPv3	MAPv3	

History of changes

Date	Description
2011-06-10	No changes

MAP Inter Operator SMS Enhancement

TADIG code: ARGVO

Section ID: 12 (Optional)

Effective date of change: 2011-06-02

Inter - Operator SMS Enhancement				
Application context name	Current version in			Comments
	SMS - IWMSC	SMS - GMSC	HLR	
shortMsgGateway	N/A	MAPv3	MAPv3	
shortMsgAlert	MAPv2	N/A	MAPv2	

History of changes

Date	Description
2011-06-10	No changes

NETWORK ELEMENTS INFORMATION

TADIG code: ARGVO
Section ID: 13 (Optional)
Effective date of change: 2012-09-25

Node type	Node ID	GT address / Address range	IP address / Address range	IPv6 address / Address range	Vendor info	SW / HW version	UTC offset
Other	Idem_ARGTP						-03:00

History of changes

Date	Description
2012-09-25	No changes
2011-06-10	No changes

USSD Information

TADIG code: ARGVO
Section ID: 14 (Optional)
Effective date of change: 2011-06-02

USSD capability available	Yes
Supported phase	Phase 1

History of changes

Date	Description
2011-06-10	No changes

CAMEL INFO

TADIG code: ARGVO

Section ID: 15 (Conditional)

Effective date of change: 2011-06-02

gsmSSF/MSC

CAP Version supported (Inbound)	CAP Version supported (Outbound)
CAPv2 CAPv1	CAPv2

CAPv4 Partial Implementations

CAMEL Phase 4 CSIs:	Supported (Yes / No)	<i>Planned Date</i>
MT-SMS-CSI		
MG-CSI		
PSI Enhancements		

History of changes

Date	Description
2011-06-10	No changes

Packet Data Services Information

TADIG code: ARGVO

Section ID: 16 (Conditional)

Effective date of change: 2020-08-05

List of APN Operator Identifiers

APN Operator Identifier	Description	Example
mnc360.mcc722.gprs		
mnc368.mcc722.gprs	Used by M2M	
mnc361.mcc722.gprs		
mnc368.mcc722.3gppnetwork.org	Used by LTE M2M	

List of APN's available for testing and troubleshooting**APN WEB List**

APN	APN Credential		APN Type	ISP DNS IP address (primary)	ISP DNS IP address (secondary)
	Username	Password			
gprs.nuestro.com.ar	blank	blank	H-APN		

APN WAP List

APN Credential			APN Type	WAP Gateway IP address	WAP Server URL	WAP Port ver 1	WAP Port ver 2
APN	Username	Password					
gprs.nuestro.com.ar	blank	blank	H-APN	172.16.0.20	http://	9201 8080	

APN MMS List

APN	APN Credential		WAP Gateway IP address for MMS	Messaging Server URL
	Username	Password		
mms.nuestro.com.ar	blank	blank	172.16.0.20	http://mms.nuestro.com.ar

IPv6 Connectivity Information

	IPv6 PDP Supported	IPv4v6 PDP Supported
SGSN Support	No	No
GGSN Support	No	No

List of 2G/3G QOS profiles

Profile name:	Dummy
Traffic class:	Conversational
ARP:	1
Evolved ARP support:	Yes
Evolved ARP priority level:	1
Evolved APR preemption vulnerability list:	
Evolved APR preemption capability list:	
Maximum bit rate uplink:	123
Maximum bit rate downlink:	1234
Delivery order:	Yes

GTP Version

SGSN	GTPv1
GGSN	GTPv1

List of Data Service supported

2G Data Services	Multislot Class Capability
GPRS	
EDGE	

3G Data Services	UE 3G Category
HSDPA	2
HSUPA	1
3GPP	

Multiple PDP Context Support

Number of Primary PDP Context	Not supported
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History of changes

Date	Description
2020-08-05	Add APN mnc368.mcc722.3gppnetwork.org for M2M ARGVO
2020-04-02	Add APN: Wing.personal.com
2020-04-02	APN
2019-03-20	APN Type
2016-10-03	Delete APN mnc036.mcc722.gprs and Add mnc361.mcc722.gprs
2015-06-17	ADD APN operator identifier by M2M
2011-06-10	No changes

IP - Roaming and IP - Interworking Information

TADIG code: ARGVO

Section ID: 17 (Conditional)

Effective date of change: 2017-10-23

List of All IP address ranges used by PMN for connection to inter - PMN IP backbone	IP Address Range
	200.43.139.64/26
	200.43.168.0/27
	200.43.168.32/27
	200.43.168.64/27
	200.43.168.96/27
	200.43.168.128/27
	200.43.168.160/27
	200.43.168.192/27
	200.43.168.224/27
	190.224.101.0/24
	186.125.172.0/28
	190.226.172.96/27
	181.88.80.0/25
	181.88.119.0/24
	190.225.250.128/29
	190.225.250.136/29
	190.225.250.144/29
	181.88.119.184/29
	181.96.75.0/26
	181.96.75.64/27
	181.88.119.0/24

List of Autonomous System Number (ASN):	ASN
	64763

List of Autonomous System Number (ASN4B):	ASN4B
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List of PMN authoritative DNS server IP addresses and names		
IP address	IPv6 address	DNS Name
181.88.119.170		DNS1MUN
181.88.119.162		DNS1CLI
181.88.119.178		DNS1BEL
181.88.119.174		DNS1MUN
181.88.119.166		DNS1CLI
181.88.119.182		DNS1BEL

List of GRX Providers	GRX Provider
	Comfone

History of changes

Date	Description
2017-10-23	Delete old DNS and put a new DNS1MUN, DNS1CLI, DNS1BEL
2017-07-10	ADD IP range backbone
2015-11-10	Remove DNS0,DNS1,DNS2&DNS3; ADD DNS with IP 190.224.101.33 &190.224.101.34;ADD IP Address range
2011-06-10	No changes

LTE Roaming Information

TADIG code: ARGVO

Section ID: 20 (Optional)

Effective date of change: 2020-08-05

IPX Provider Name	IPX DA Realm Used	Diameter Architecture
COMFONE		

Primary IP address of DA	Secondary IP address of DA
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Roaming Interconnection

EPC Realms For Roaming
epc.mnc368.mcc722.3gppnetwork.org

FQDN Diameter Edge Agent

FQDN	Primary IP Address DEA FQDN	Secondary IP Address DEA FQDN
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S6a Supported without IWF	S6a MAP IWF supported to HSS	S6a MAP IWF supported to MME
true	false	false

S6d used for legacy SGSN	S9 used for PCC
false	false

SMS ITW

SMS delivery over IP	SMS delivery over NAS
false	true

Voice ITW

CSFB

Roaming CS Fallback

Not Supported

		HPMN	VPMN
LTE Roaming Agreement Only	LTE Only Roaming Supported	No	No
2G/3G Roaming Agreement Only	Scenario 2 Supported	Yes	Yes
	Scenario 3 Supported	Yes	No
2G/3G/LTE Roaming Agreement	Scenario 1 Supported	Yes	Yes
	Scenario 2 Supported	Yes	Yes
	Scenario 3 Supported	No	No
	Scenario 4 Supported	No	No
	Scenario 5 Supported	No	No
	Scenario 6 Supported	No	No

List of LTE QoS profiles

Profile name:	LTEQoS
QCI Value List:	9
QOS ARP List:	14
ARP Preemption Vulnerability List:	1
ARP Preemption Capability List:	1

IPv6 Connectivity Information

	IPv6 PDP Supported	IPv4v6 PDP Supported
MME Support	No	No
SGW Support	No	No
PGW Support	No	No

History of changes

Date	Description
2020-08-05	Add Real EPC for ARGVO

M2M Roaming Information

TADIG code: ARGVO

Section ID: 23 (Conditional)

Effective date of change: 2020-04-02

<i>List of Sub Range IMSI</i>	Subrange IMSI	Description	Example
	722368	range from 722368000000000 to 722368999999999	

APN M2M List	APN	Username	Password	ISP DNS Primary IP Address	ISP DNS Secondary IP Address
	m2m.personal.com	blank	blank		
	wing.personal.com	blank	blank		

History of changes

Date	Description
2020-04-02	APN IoT (wing.personal.com)
2015-06-17	ADD APN Network identifier and M2M data
2015-06-17	ADD new APN M2M and sub range IMSI

MVNO Information

TADIG code: ARGVO

Section ID: 24 (Conditional)

Effective date of change: 2020-05-12

List of All IP address ranges used by PMN for connection to inter - PMN IP backbone	IP Address Range
	135.92.40.3/32
	135.92.41.3/32

List of Autonomous System Number (ASN):	ASN
	62194

List of Autonomous System Number (ASN4B):	ASN4B
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List of GRX Providers	GRX Provider
	COMFONE

History of changes

Date	Description
2020-05-12	Change to IP Range MVNO (M2M)
2020-04-23	NEW IP Backbone M2M
2020-04-02	New IP Backbone IoT
2020-04-01	GRX provider IoT

CONTACT INFORMATION

TADIG code: ARGVO

Section ID: 21 (Optional, Repeating)

Effective date of change: 2019-03-28

List of Roaming Troubleshooting Contact Information**Roaming Troubleshooting Contact Information**

Location		Buenos Aires, Argentina	
Office Time Zone in UTC		-03:00	
Office Hours	Week Day (s)	Start Time	End Time
	Mon Tue Wed Thu Fri	09:00:00	18:00:00

Main Contact for Troubleshooting (Office Hours)

Team Name	Tel.	Mobile	Fax	Email
Roaming Specialist Troubleshooting	5491168599898			IRtroubleshooting@teco.com.ar

Escalation Contact for Troubleshooting

Person Name	Tel.	Mobile	Fax	Email
Mr. Luis Sayago		+5491169795379		lasayago@teco.com.ar

24 x 7 Troubleshooting (contact out of Office Hours)

Team Name	Tel.	Mobile	Fax	Email
NOC – CSN Movil (Centro de Supervisión nacional)	541149682914			csrtp@teco.com.ar

Roaming Troubleshooting Contact Information

Location		Buenos Aires	
Office Time Zone in UTC		-03:00	
Office Hours	Week Day (s)	Start Time	End Time
	all week days	00:00:00	23:59:00

Main Contact for Troubleshooting (Office Hours)

Team Name	Tel.	Mobile	Fax	Email
NOC – CSN Movil (Centro de Supervisión nacional)	541149682914			csrtp@teco.com.ar

Escalation Contact for Troubleshooting

Person Name	Tel.	Mobile	Fax	Email
Mr Juan Manuel Rodriguez Feijo		+5491168544681		jmrodriguezfeijo@teco.com.ar

24 x 7 Troubleshooting (contact out of Office Hours)

Team Name	Tel.	Mobile	Fax	Email
NOC – CSN Movil (Centro de Supervisión nacional)	541149682914			csrtp@teco.com.ar

Roaming Troubleshooting Ticketing System Information

Ticket system web address

Ticket system email address

Additional Contacts**SCCP Inquires and ordering of SS7 Routes**

Person Name	Tel.	Mobile	Fax
NOC Comfone			
JobTitle		Email	
STP provider SS7 Provisioning		noc@comfone.com	

Roaming Coordinator

Person Name	Tel.	Mobile	Fax
Mrs Analia Leonelli	+541149687627		
JobTitle		Email	
Roaming Coordinator		AVLeonelli@teco.com.ar	

IREG Tests

Person Name	Tel.	Mobile	Fax
Omar Fernandez			
JobTitle		Email	
IREG Testing, Network and Signaling Issues		implementacionroaming@teco.com.ar	
Person Name	Tel.	Mobile	Fax
Edgardo Salba			
JobTitle		Email	
Person Name	Tel.	Mobile	Fax
Mr Francisco Macchi			
JobTitle		Email	
IREG Test		implementacionroaming@teco.com.ar	

TADIG Tests

Person Name	Tel.	Mobile	Fax
Mr Greco Diego Hernan			
JobTitle	Email		
TAP and TADIG Issues	DHgreco@teco.com.ar		

IR21 Distribution Email Address	Email
	AsuntosInternacionales@personal.com.ar

History of changes

Date	Description
2019-03-28	change Roaming coordinator
2017-10-23	add contact 7x24
2017-10-23	new SCCP inquiry NOC@ comfone.com
2017-10-23	add Noc Comfone
2017-10-20	Contacts
2016-10-12	ARGVO Contacts
2016-10-12	ARGVO CONTACT
2016-10-04	New Contacts
2014-04-22	New Distribution List
2014-04-22	Add IREG Coordinator
2013-05-09	IREG Tests: Contacts update
2012-09-25	New contacts update
2011-06-10	No changes

SECTIONS NOT IN USE

TADIG Code	Section ID	Section Name
ARGVO	6	Domestic SCCP Gateway
ARGVO	7	SCCP Protocol available at PMN for connection for International SS7 Roaming
ARGVO	18	MMS Interworking Information
ARGVO	19	WLAN Information
ARGVO	22	Hosted Networks
ARGVO	26	VoLTE Roaming Information Section
ARGVO	27	LPWA Roaming Information Section