

GSMA Roaming Database

IR.85 Data



RAEX IR.85 Information

Creation date:	2022-10-20
Creation time:	17:06:14+02:00
File type:	IR.85
Sender TADIG:	CHECF
Publish Comment:	Key2roam IR.85
TADIG-GEN schema version:	2.4
RAEX-IR.21 schema version:	15.0

ORGANISATION INFORMATION

Section ID: 1 (Mandatory)

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

TADIG Code	Alias TADIG Code	Section ID	Section	Date	Description
ARGTP	ARGK9	13	Network Elements Information	2022-09-30	ADD NEW SGW AND PGW
ARGTP	ARGK9	17	IP Roaming/Networking Information	2022-08-12	Backbones added: 77.32.226.0/27, 77.32.226.32/27, 77.32.226.64/27, 77.32.226.96/27, 77.32.226.128/27, 77.32.226.160/27, 77.32.226.192/27, 77.32.226.224/27. Backbone removed: 77.32.226.0/24
ARGTP	ARGK9	13	Network Elements Information	2022-08-02	ADD NEW NODES CGW and DGW
ARGTP	ARGK9	26	VoLTE Roaming Information Section	2021-11-19	Add VOLTE Information
ARGTP	ARGK9	4	Routing Information	2021-10-29	Delete Duplicate MSRN
ARGTP	ARGK9	4	Routing Information	2021-10-28	Delete duplicate MSISDN
ARGTP	ARGK9	4	Routing Information	2021-10-14	Add MSISDN Ranges
ARGTP	ARGK9	13	Network Elements Information	2020-11-24	Modify GT of SCP nodes 5434990064/5434990065
ARGTP	ARGK9	13	Network Elements Information	2020-04-02	New Elemen Network (5434990140;5434990141;5434990147;541151740047;5434990148;5434990149;5434990150;5434990151;5434990152;5434990153;5434990154;5434990155;5434990156;5434990157;5434990158;5434990159;5434990160;5434990161;5434990162;5434990163;5434990164;5434990165;5434990166;5434990167;5434990168;5434990169;5434990170;5434990171;5434990172;5434990173;5434990174;5434990175;5434990176;5434990177;5434990178;5434990179;5434990180;5434990181;5434990182;5434990183;5434990184;5434990185;5434990186;5434990187;5434990188;5434990189;5434990190;5434990191;5434990192;5434990193;5434990194;5434990195;5434990196;5434990197;5434990198;5434990199;541151740000;541151740001;541151740002;541151740003;541151740004;541151740005;541151740006;541151740007;541151740008;541151740009;541151740010;541151740011;541151740012;541151740013;541151740014;541151740015;541151740016;541151740017;541151740018;541151740019;541151740020;541151740021;541151740022;541151740023;541151740024;541151740025;541151740026;541151740027;541151740028;541151740029;541151740030;541151740031;541151740032;541151740033;541151740034;541151740035;541151740036;541151740037;541151740038;541151740039;541151740040;541151740041;541151740042;541151740043;541151740044;541151740045;541151740046;541151740047;541151740048;541151740049;541151740050;541151740051;541151740052;541151740053;541151740054;541151740055;541151740056;541151740057;541151740058;541151740059;541151740060;541151740061;541151740062;541151740063;541151740064;541151740065;541151740066;541151740067;541151740068;541151740069;541151740070;541151740071;541151740072;541151740073;541151740074;541151740075;541151740076;541151740077;541151740078;541151740079;541151740080;541151740081;541151740082;541151740083;541151740084;541151740085;541151740086;541151740087;541151740088;541151740089;541151740090;541151740091;541151740092;541151740093;541151740094;541151740095;541151740096;541151740097;541151740098;541151740099;541151740100;541151740101;541151740102;541151740103;541151740104;541151740105;541151740106;541151740107;541151740108;541151740109;541151740110;541151740111;541151740112;541151740113;541151740114;541151740115;541151740116;541151740117;541151740118;541151740119;541151740120;541151740121;541151740122;541151740123;541151740124;541151740125;541151740126;541151740127;541151740128;541151740129;541151740130;541151740131;541151740132;541151740133;541151740134;541151740135;541151740136;541151740137;541151740138;541151740139;541151740140;541151740141;541151740142;541151740143;541151740144;541151740145;541151740146;541151740147;541151740148;541151740149;541151740150;541151740151;541151740152;541151740153;541151740154;541151740155;541151740156;541151740157;541151740158;541151740159;541151740160;541151740161;541151740162;541151740163;541151740164;541151740165;541151740166;541151740167;541151740168;541151740169;541151740170;541151740171;541151740172;541151740173;541151740174;541151740175;541151740176;541151740177;541151740178;541151740179;541151740180;541151740181;541151740182;541151740183;541151740184;541151740185;541151740186;541151740187;541151740188;541151740189;541151740190;541151740191;541151740192;541151740193;541151740194;541151740195;541151740196;541151740197;541151740198;541151740199;541151740200;541151740201;541151740202;541151740203;541151740204;541151740205;541151740206;541

TADIG Code	Alias TADIG Code	Section ID	Section	Date	Description
ARGTP	ARGK9	4	Routing Information	2017-06-14	ADD NEW MSRN FROM 5435847390 to the END line
ARGTP	ARGK9	4	Routing Information	2017-04-17	ADD NEW MSRN From 26644720
ARGTP	ARGK9	4	Routing Information	2017-03-21	Key2roam Hub prefixes 4179991 and 4179995 added in order to ensure that all traffic reaches platform for certain mixed SMS-IW scenarios
ARGTP	ARGK9	5	International SCCP Gateway	2017-03-21	Additional DPC information added
ARGTP	ARGK9	13	Network Elements Information	2017-03-21	SMS-C network nodes added with Key2roam Hub prefixes 4179991 and 4179995 in order to ensure that all traffic can be exchanged for certain mixed SMS-IW scenarios
ARGTP	ARGK9	17	IP Roaming/Networking Information	2017-03-21	New caching DNS IP added for existing DNS server dnsf03.comfone.grx 195.211.13.123 and for DNS server dnsf04.comfone.grx 195.211.13.124
ARGTP	ARGK9	17	IP Roaming/Networking Information	2017-03-21	New caching DNS servers added for geo-distribution dnsf05.comfone.grx 91.221.82.123, dnsf06.comfone.grx 91.221.82.124, dnsf07.comfone.grx 91.221.83.123, dnsf08.comfone.grx 91.221.83.124
ARGTP	ARGK9	17	IP Roaming/Networking Information	2017-03-21	New virtual IP range added 91.221.83.96/27
ARGTP	ARGK9	21	Contact Information	2017-03-21	Escalation contact added

NETWORK

TADIG code: ARGTP

Alias TADIG code: ARGK9

Section ID: 2 (Mandatory, Repeating)

TADIG code:	ARGTP
Network name:	ARGTP - 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
5G NR frequencies:	Unsupported
Presentation of country initials and MNN:	ARG
Abbreviated MNN:	ARGTP

NETWORK INFORMATION

TADIG code: ARGTP

Alias TADIG code: ARGK9

Section ID: 3 (Mandatory)

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

ROAMING HUB PROVIDER INFORMATION

TADIG code: ARGTP

Alias TADIG code: ARGK9

Section ID: 25 (Mandatory)

Hub name:	Comfone Ltd.
Hub country:	CHE
Hub TADIG code:	CHERB
Alias TADIG Code:	ARGK9
Routing method:	MTP Routine

History of changes

ROUTING INFORMATION

TADIG code: ARGTP

Alias TADIG code: ARGK9

Section ID: 4 (Mandatory)

Effective date of change: 2021-10-29

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	Operator ID	Translation Type	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	0310000	0319999						
	54	114	0370000	0389999						
	54	114	0520000	0549999						
	54	114	0560000	0599999						
	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						
	54	115	3390000	3399999						
	54	115	3410000	3419999						
	54	115	3440000	3489999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	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	117	0890000	0899999						
	54	117	0940000	0999999						
	54	117	1600000	2319999						
	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	Operator ID	Translation Type	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	5455000	5455999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	223	5300000	5349999						
	54	223	5480000	5489999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	225	4540000	4549999						
	54	225	4550000	4559999						
	54	225	5402000	5402999						
	54	225	5420000	5429999						
	54	225	5520000	5529999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	227	2405000	2409999						
	54	227	3420000	3421999						
	54	227	3423000	3425999						
	54	227	3428000	3432999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	230	4510000	4512999						
	54	230	4518000	4518999						
	54	230	4550000	4559999						
	54	230	4570000	4579999						
	54	231	4415000	4419999						
	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	0697000	0699999						
	54	232	3221000	3221999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	232	5520000	5526999						
	54	232	6426000	6430999						
	54	232	6436000	6441999						
	54	233	3405000	3405999						
	54	233	3410000	3412999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	235	4430000	4435999						
	54	235	4436000	4437999						
	54	235	5400000	5409999						
	54	235	5452000	5452999						
	54	235	5467000	5471999						
	54	235	5535000	5541999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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						
	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	2237500	2237999						
	54	262	2316000	2317999						
	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	4488000	4492999						
	54	263	4500000	4504999						
	54	263	4530000	4531999						
	54	263	4575000	4576999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	263	4585000	4586999						
	54	263	4610000	4610999						
	54	263	4640000	4649999						
	54	263	4720000	4749999						
	54	263	4867000	4874999						
	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						
	54	264	5150000	5249999						
	54	264	5490000	5599999						
	54	264	5680000	5699999						
	54	264	6103000	6106999						
	54	264	6110000	6149999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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						
	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	1637000	1639999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	292	0390000	0399999						
	54	292	0452000	0452999						
	54	292	0500000	0509999						
	54	292	0535000	0539999						
	54	292	0561000	0567999						
	54	292	0591000	0595999						
	54	292	0599000	0599999						
	54	292	0630000	0639999						
	54	292	0668000	0695999						
	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	3660000	3664999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	296	2410000	2413999						
	54	296	2418000	2422999						
	54	296	4303000	4305999						
	54	296	4310000	4319999						
	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						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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						
	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	9361000	9362999						
	54	332	9370000	9379999						
	54	332	9450000	9450999						
	54	332	9574000	9580999						
	54	332	9600000	9619999						
	54	332	9690000	9699999						
	54	336	4006000	4007999						
	54	336	4008000	4009999						
	54	336	4170000	4179999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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						
	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	0440000	0446999						
	54	340	0459000	0459999						
	54	340	0497000	0499999						
	54	340	0530000	0534999						
	54	340	0582000	0587999						
	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	1585000	1588999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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						
	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	5465000	5468999						
	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	6527500	6527999						
	54	340	6640000	6649999						
	54	340	7407000	7407999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	2429999						
	54	341	2500000	2699999						
	54	341	2852000	2856999						
	54	341	2859000	2859999						
	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	341	7025000	7026999						
	54	341	7028000	7029999						
	54	341	7230000	7319999						
	54	342	4050000	4089999						
	54	342	4450000	4469999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	5871000	5879999						
	54	342	5880000	5899999						
	54	342	5900000	5999999						
	54	342	6100000	6159999						
	54	342	6200000	6239999						
	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						
	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	5518000	5519999						
	54	343	5523000	5526999						
	54	343	5610000	5620999						
	54	343	6100000	6101999						
	54	343	6103000	6107999						
	54	343	6110000	6119999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	343	6126000	6128999						
	54	343	6130000	6139999						
	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	7528300	7528999						
	54	343	7540000	7549999						
	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						
	54	344	2560000	2569999						
	54	344	2620000	2629999						
	54	344	2640000	2649999						
	54	344	2657000	2657999						
	54	344	2660000	2684999						
	54	344	4430000	4430999						
	54	344	4436000	4447999						
	54	344	4450000	4450999						
	54	344	4497000	4498999						
	54	344	4500000	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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	344	4520000	4529999						
	54	344	4540000	4541999						
	54	344	4547000	4556999						
	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	5558000	5559999						
	54	344	5570000	5572999						
	54	344	5623000	5623999						
	54	344	5645000	5645999						
	54	344	5653000	5654999						
	54	344	6212000	6213999						
	54	344	6220000	6229999						
	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						
	54	344	7549000	7549999						
	54	344	7550000	7569999						
	54	344	7625000	7625999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	4470000	4472999						
	54	345	4473000	4473499						
	54	345	4480000	4489999						
	54	345	4490000	4490999						
	54	345	4655000	4657999						
	54	345	4927000	4929999						
	54	345	4930000	4969999						
	54	345	4975000	4979999						
	54	345	4987000	4987999						
	54	345	5090000	5099999						
	54	345	5228000	5229999						
	54	345	5260000	5279999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	345	6509000	6509999						
	54	345	6529000	6529999						
	54	345	6540000	6559999						
	54	345	6574000	6576999						
	54	345	6580000	6589999						
	54	345	6620000	6622999						
	54	345	6659000	6659999						
	54	345	8404000	8405999						
	54	345	8412000	8415999						
	54	345	8430000	8434999						
	54	345	8435000	8439999						
	54	345	8456000	8456999						
	54	345	8497000	8497999						
	54	345	8498000	8499999						
	54	345	8658000	8659999						
	54	346	0450000	0459999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	346	5463000	5463999						
	54	346	5485000	5486999						
	54	346	5487000	5488999						
	54	346	5530000	5539999						
	54	346	5650000	5669999						
	54	346	6403000	6404999						
	54	346	6410000	6411999						
	54	346	6430000	6434999						
	54	346	6450000	6450999						
	54	346	6497000	6497999						
	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	1327000	1328999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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						
	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	2295000	2299999						
	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	2700000	2719999						
	54	348	2730000	2734999						
	54	348	3408000	3408999						
	54	348	3433000	3435999						
	54	348	3439000	3445999						
	54	348	3450000	3451999						
	54	348	3453000	3453999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	348	3458000	3459999						
	54	348	3467000	3469999						
	54	348	3490000	3490999						
	54	348	3499000	3499999						
	54	348	3516000	3516999						
	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						
	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	7281000	7288999						
	54	348	7290000	7299999						
	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	9230000	9237999						
	54	348	9330000	9339999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	1515000	1516999						
	54	349	1524000	1528999						
	54	349	1530000	1546999						
	54	349	1547000	1549999						
	54	349	1550000	1559999						
	54	349	1560000	1568999						
	54	349	1590000	1599999						
	54	349	1687000	1699999						
	54	349	2200000	2204999						
	54	349	2210000	2229999						
	54	349	2250000	2259999						
	54	349	2260000	2264999						
	54	349	2307000	2326999						
	54	349	2387000	2389999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	349	3520000	3524999						
	54	349	3540000	3548999						
	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	8468300	8468999						
	54	349	8473000	8476999						
	54	349	8520000	8529999						
	54	349	8533000	8539999						
	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						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	2499500	2499999						
	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						
	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	352	5663000	5669999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	352	5690000	5694999						
	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						
	54	353	7370000	7379999						
	54	353	7484000	7484999						
	54	353	7520000	7534999						
	54	353	7560000	7579999						
	54	353	7680000	7689999						
	54	353	7810000	7829999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	4538000	4539999						
	54	354	4540000	4549999						
	54	354	4586000	4599999						
	54	354	4609000	4619999						
	54	354	4620000	4649999						
	54	354	4668000	4668999						
	54	354	4680000	4699999						
	54	354	6478000	6479999						
	54	354	6488000	6489999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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						
	54	356	4363000	4364999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	Operator ID	Translation Type	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	358	6540000	6549999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	370	4000000	4099999						
	54	370	4200000	4209999						
	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	4540000	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	370	5000000	5199999						
	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	5409000	5409999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	371	8520000	8539999						
	54	371	8542000	8549999						
	54	371	8558000	8565999						
	54	371	8572000	8644999						
	54	371	8679000	8679999						
	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	5590000	5599999						
	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	1606000	1612999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	373	4510000	4526999						
	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						
	54	373	5520000	5549999						
	54	373	5560000	5579999						
	54	373	5600000	5619999						
	54	373	5620000	5631999						
	54	373	5632000	5636999						
	54	373	5640000	5659999						
	54	374	1402000	1408999						
	54	374	1413000	1418999						
	54	374	1442000	1447999						
	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	3599999						
	54	374	3549000	3549999						
	54	374	3560000	3569999						
	54	374	3583000	3585999						
	54	374	3590000	3609999						
	54	374	3666000	3668999						
	54	375	1300000	1319999						
	54	375	1330000	1369999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	4503000	4505999						
	54	375	4520000	4534999						
	54	375	4548000	4549999						
	54	375	4560000	4569999						
	54	375	4570000	4572999						
	54	375	4659000	4660999						
	54	375	5200000	5249999						
	54	375	5260000	5299999						
	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	5700000	5709999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	375	6610000	6619999						
	54	375	7300000	7302999						
	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	7609000	7609999						
	54	375	7610000	7634999						
	54	375	7637000	7638999						
	54	375	7643000	7649999						
	54	375	7650000	7659999						
	54	375	7670000	7679999						
	54	375	7680000	7699999						
	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	8540000	8549999						
	54	375	8560000	8566999						
	54	375	8568000	8569999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	376	5009000	5009999						
	54	376	5050000	5219999						
	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	2612000	2616999						
	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	3502000	3509999						
	54	377	3520000	3529999						
	54	377	3540000	3549999						
	54	377	3550000	3551999						
	54	377	3627000	3629999						
	54	377	4409000	4409999						
	54	377	4412000	4415999						
	54	377	4430000	4432999						
	54	377	4440000	4449999						
	54	377	4460000	4460999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	377	4465000	4469999						
	54	377	4478000	4478999						
	54	377	4500000	4504999						
	54	377	4508000	4509999						
	54	377	4540000	4545999						
	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	7290000	7299999						
	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	377	7700000	7739999						
	54	378	1400000	1410999						
	54	378	1419000	1419499						
	54	378	1440000	1441999						
	54	378	1482000	1482999						
	54	378	1484000	1485999						
	54	378	1489000	1489999						
	54	378	1490000	1494999						
	54	378	1608000	1609999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	378	2409000	2409999						
	54	378	2412000	2414999						
	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	6442000	6448999						
	54	378	6450000	6450999						
	54	378	6455000	6456999						
	54	378	6494000	6499999						
	54	378	6610000	6619999						
	54	379	4000000	4099999						
	54	379	4150000	4154999						
	54	379	4180000	4184999						
	54	379	4189000	4189999						
	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	379	5160000	5199999						
	54	379	5300000	5419999						
	54	380	4234000	4273999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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						
	54	380	4640000	4649999						
	54	380	4660000	4699999						
	54	380	4756000	4780999						
	54	380	4848000	4899999						
	54	381	2000000	2039999						
	54	381	3215000	3219999						
	54	381	3241000	3243999						
	54	381	3250000	3299999						
	54	381	3300000	3499999						
	54	381	3860000	3999999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	5608000	5636999						
	54	382	5660000	5679999						
	54	382	6400000	6400999						
	54	382	6403000	6406999						
	54	382	6406100	6406199						
	54	382	6410000	6411999						
	54	382	6430000	6434999						
	54	382	6443000	6449999						
	54	382	6473000	6473999						
	54	382	6477000	6477999						
	54	382	6500000	6509999						
	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	7499000	7499999						
	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	4080000	4095999						
	54	383	4213000	4214999						
	54	383	4260000	4299999						
	54	383	4320000	4354999						
	54	383	4360000	4374999						
	54	383	4400000	4409999						
	54	383	4460000	4460999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	5507000	5509999						
	54	383	5510000	5519999						
	54	383	5530000	5539999						
	54	383	5550000	5555999						
	54	383	5690000	5699999						
	54	383	7405000	7407999						
	54	383	7430000	7439999						
	54	383	7474000	7474999						
	54	383	7494000	7495999						
	54	383	7498000	7499999						
	54	383	7690000	7699999						
	54	383	8400000	8403999						
	54	383	8470000	8473999						
	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	1450000	1454799						
	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	3436000	3436999						
	54	384	3450000	3451999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	384	3456000	3459999						
	54	384	3460000	3469999						
	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	4540000	4549999						
	54	384	4570000	4586999						
	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	6440000	6446999						
	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						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	6100000	6199999						
	54	385	6400000	6406999						
	54	385	6410000	6418999						
	54	385	6430000	6439999						
	54	385	6450000	6459999						
	54	385	6476500	6481999						
	54	385	6494000	6495999						
	54	385	6677000	6678999						
	54	385	6770000	6780000						
	54	385	6790000	6792999						
	54	385	6799000	6799999						
	54	385	6880000	6889999						
	54	385	6890000	6894999						
	54	385	6970000	6989999						
	54	385	7400000	7417999						
	54	385	7435000	7435999						
	54	385	7440000	7449999						
	54	385	7460000	7469999						
	54	385	7470000	7470999						
	54	385	7472000	7476999						
	54	385	7483000	7489999						
	54	385	7674000	7676999						
	54	385	8409000	8409999						
	54	385	8416000	8416999						
	54	385	8430000	8430999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	5745000	5753999						
	54	386	7403000	7405999						
	54	386	7407000	7408999						
	54	386	7492000	7493999						
	54	386	7495000	7495999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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	2100000	2199999						
	54	387	3020000	3039999						
	54	387	3100000	3149999						
	54	387	3160000	3199999						
	54	387	3205000	3205999						
	54	387	3210000	3239999						
	54	387	3290000	3299999						
	54	387	3300000	3309999						
	54	387	3387000	3389999						
	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						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	387	4520000	4539999						
	54	387	4560000	4609999						
	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	6395000	6399999						
	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	6618000	6619999						
	54	387	6629000	6642999						
	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	7545000	7549999						
	54	387	7580000	7589999						
	54	387	7666000	7668999						
	54	387	8230000	8259999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	387	8300000	8324999						
	54	387	8391000	8399999						
	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						
	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	4546000	4599999						
	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	5435000	5437999						
	54	388	5470000	5471999						
	54	388	5473000	5476999						
	54	388	5480000	5480499						
	54	388	5628000	5629999						
	54	388	5910000	5914999						
	54	388	5924000	5928999						
	54	388	5959000	5989999						
	54	388	6400000	6403999						
	54	388	6412000	6414999						
	54	388	6447000	6452999						
	54	388	6473000	6473999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	54	388	6478000	6479999						
	54	388	6520000	6529999						
	54	388	6560000	6569999						
	54	388	6592000	6599999						
	54	388	6601000	6601999						
	54	388	6618000	6619999						
	54	388	6650000	6659999						
	54	388	6670000	6679999						
	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						
	54	388	8140000	8159999						
	54	388	8305000	8309999						
	54	388	8315000	8319999						
	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	8656000	8656999						
	54	388	8657000	8659999						
	54	388	8660000	8679999						
	54	388	8683000	8689999						
	54	388	8700000	8709999						
	54	388	8750000	8779999						
	54	388	8800000	8809999						
	54	388	8840000	8849999						
	54	388	8870000	8889999						

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	Operator ID	Translation Type	Location
MSISDN number ranges (s)										
	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						
Network Nodes Global Title Number Range(s)										
	41	799915434	0000	9999						
	54	115174	0000	9999						
	54	3499	0000	9999						
MSRN Number Range(s)										
	54	11	415560	415565						
	54	11	415580	415582						
	54	11	510015	510018						
	54	11	510021	510026						
	54	11	510030	510047						
	54	11	510051	510060						
	54	11	510063	510066						
	54	11	510080	510089						
	54	11	708500	708549						
	54	11	708600	708649						
	54	11	708700	708749						
	54	1141556								
	54	11415566								
	54	11415567								
	54	11415569								
	54	1141557								
	54	11415571								
	54	11415572								
	54	11415573								
	54	11415575								
	54	1141558								
	54	11415583								
	54	11415584								
	54	11415585								
	54	11415586								
	54	11415588								

MSRN Number Range(s)										
	54	11510001								
	54	11510004								
	54	11510005								
	54	11510006								
	54	11510007								
	54	11510009								
	54	1151001								
	54	11510010								
	54	11510011								
	54	11510012								
	54	11510013								
	54	11510014								
	54	1151002								
	54	11510020								
	54	1151003								
	54	11510038								
	54	1151004								
	54	11510048								
	54	11510049								
	54	1151005								
	54	11510050								
	54	1151006								
	54	11510061								
	54	11510069								
	54	1151007								
	54	11510073								
	54	11510074								
	54	11510075								
	54	11510076								
	54	11510077								
	54	11510078								
	54	11510079								
	54	1151008								
	54	11510091								
	54	11510093								
	54	11510097								
	54	1151010								
	54	11533014								
	54	11533015								
	54	11533016								
	54	11533017								
	54	11533018								
	54	11533019								
	54	11533025								
	54	11533045								
	54	22151000								
	54	22151005								

MSRN Number Range(s)										
	54	22151006								
	54	22151007								
	54	22151008								
	54	22151009								
	54	22151010								
	54	22151011								
	54	22151012								
	54	22151013								
	54	22151014								
	54	22151015								
	54	22151016								
	54	22151017								
	54	22151018								
	54	22151020								
	54	22151021								
	54	22151023								
	54	22151024								
	54	22151025								
	54	22151026								
	54	22151027								
	54	22151029								
	54	22151033								
	54	22151037								
	54	22151039								
	54	22151044								
	54	22346040								
	54	22346041								
	54	22346042								
	54	22346043								
	54	22346044								
	54	22346045								
	54	22346046								
	54	22346047								
	54	22346048								
	54	22346049								
	54	22346070								
	54	22346071								
	54	22346072								
	54	22346073								
	54	22346074								
	54	22346075								
	54	22346076								
	54	22346077								
	54	2235000								
	54	22350000								
	54	22350003								
	54	22350005								

MSRN Number Range(s)										
	54	22350006								
	54	22350007								
	54	22350009								
	54	2235007								
	54	22350070								
	54	22350071								
	54	22350073								
	54	22350076								
	54	22350077								
	54	22350078								
	54	22350079								
	54	22414010								
	54	22414011								
	54	22414012								
	54	22414013								
	54	22414014								
	54	22414015								
	54	22414016								
	54	22414017								
	54	22414018								
	54	22415032								
	54	22415033								
	54	22415034								
	54	22415035								
	54	22415036								
	54	22574520								
	54	22574521								
	54	22574522								
	54	22574523								
	54	22574524								
	54	22574525								
	54	22624624								
	54	22624626								
	54	22624627								
	54	22624628								
	54	22624629								
	54	22626110								
	54	22626111								
	54	22626112								
	54	22626113								
	54	22626114								
	54	22626115								
	54	22844620								
	54	22844621								
	54	22844622								
	54	22844624								
	54	22844625								

MSRN Number Range(s)										
	54	22844626								
	54	22844627								
	54	22844628								
	54	22844629								
	54	22844940								
	54	22844941								
	54	22844942								
	54	22844943								
	54	23024520								
	54	23024521								
	54	23024522								
	54	23045180								
	54	23045181								
	54	23045182								
	54	23045183								
	54	23045184								
	54	23045185								
	54	23045186								
	54	23045187								
	54	23045188								
	54	23045189								
	54	23144380								
	54	23144381								
	54	23144382								
	54	23144383								
	54	23144384								
	54	23444940								
	54	23444941								
	54	23444942								
	54	23444943								
	54	23444944								
	54	23444945								
	54	23444946								
	54	23444947								
	54	23444948								
	54	2346452								
	54	23464520								
	54	23464521								
	54	23464522								
	54	23464524								
	54	23464525								
	54	23464526								
	54	23464527								
	54	23464528								
	54	23464529								
	54	2346586								
	54	23465860								

MSRN Number Range(s)										
	54	23465861								
	54	23465862								
	54	23465863								
	54	23465864								
	54	23465865								
	54	23465866								
	54	23465869								
	54	23749020								
	54	23749021								
	54	23749022								
	54	23749023								
	54	23749024								
	54	23749025								
	54	23749026								
	54	23749027								
	54	23749028								
	54	26043150								
	54	26043151								
	54	26043152								
	54	26043153								
	54	26043154								
	54	26043155								
	54	26043156								
	54	26043159								
	54	26044620								
	54	26044621								
	54	26044622								
	54	26044623								
	54	26044624								
	54	26044625								
	54	26044626								
	54	26044627								
	54	26145580								
	54	26145581								
	54	26145582								
	54	26145583								
	54	26145584								
	54	26145585								
	54	26145590								
	54	26145591								
	54	26145593								
	54	26145594								
	54	26145595								
	54	26145597								
	54	26145598								
	54	26145599								
	54	2614809								

MSRN Number Range(s)										
	54	26148090								
	54	26148092								
	54	26148093								
	54	26148094								
	54	2616289								
	54	26162890								
	54	26162891								
	54	26162892								
	54	26162893								
	54	2644026								
	54	26440260								
	54	26440261								
	54	26440262								
	54	26440263								
	54	26440266								
	54	26440269								
	54	26450000								
	54	26450001								
	54	26450002								
	54	26450004								
	54	26450005								
	54	26450006								
	54	26450007								
	54	26450008								
	54	26450009								
	54	266	42470	42473						
	54	26642474								
	54	26642475								
	54	26642476								
	54	26642479								
	54	2664472								
	54	26644720								
	54	26644721								
	54	26644722								
	54	26644724								
	54	26644726								
	54	26644727								
	54	26644728								
	54	28042220								
	54	28042221								
	54	28042222								
	54	28042223								
	54	28042224								
	54	28042225								
	54	2804500								
	54	28045000								
	54	28045001								

MSRN Number Range(s)										
54	28045002									
54	28045004									
54	28045005									
54	28045006									
54	28045007									
54	28045009									
54	29014621									
54	29014622									
54	29014625									
54	29014626									
54	29014628									
54	29014629									
54	29015231									
54	29015232									
54	29015233									
54	29015234									
54	29015235									
54	2914608									
54	29146080									
54	29146081									
54	29146083									
54	29146085									
54	29146086									
54	29146089									
54	29150000									
54	29150001									
54	29150002									
54	29150003									
54	29150004									
54	29150005									
54	29150006									
54	29150008									
54	29150009									
54	29155280									
54	29155281									
54	29155282									
54	29155283									
54	29155284									
54	29155285									
54	2920452									
54	29204520									
54	29204521									
54	29204524									
54	29204525									
54	29204526									
54	29204527									
54	29204529									

MSRN Number Range(s)										
	54	29205990								
	54	29205991								
	54	29205992								
	54	29205993								
	54	29205994								
	54	29205995								
	54	29205996								
	54	29423720								
	54	29423721								
	54	29423722								
	54	29424520								
	54	29424521								
	54	29424522								
	54	29424523								
	54	29424524								
	54	29424525								
	54	29424526								
	54	29424529								
	54	2944372								
	54	29443720								
	54	29443721								
	54	29443722								
	54	29443723								
	54	29443724								
	54	29443725								
	54	29443726								
	54	29443729								
	54	29444530								
	54	29444531								
	54	29444532								
	54	29444533								
	54	29444534								
	54	29444535								
	54	29444536								
	54	29444537								
	54	29444538								
	54	29444539								
	54	2954472								
	54	29544720								
	54	29544721								
	54	29544722								
	54	29544723								
	54	29544724								
	54	29544725								
	54	29544726								
	54	29544727								
	54	29544728								

MSRN Number Range(s)										
	54	29544820								
	54	29544821								
	54	29544822								
	54	29546340								
	54	29546341								
	54	29546342								
	54	29546343								
	54	29546344								
	54	29546345								
	54	29546346								
	54	29546347								
	54	29546348								
	54	29546349								
	54	29644620								
	54	29644621								
	54	29644622								
	54	29664620								
	54	29664623								
	54	29664626								
	54	29664627								
	54	29664628								
	54	29664629								
	54	2966689								
	54	29666890								
	54	29666891								
	54	29666892								
	54	29666893								
	54	29666894								
	54	29666895								
	54	29666896								
	54	29666899								
	54	29745200								
	54	29745201								
	54	29745202								
	54	29745203								
	54	29745204								
	54	29745205								
	54	29745206								
	54	29745209								
	54	29745210								
	54	29745211								
	54	29745212								
	54	29745213								
	54	29745214								
	54	29745215								
	54	29950010								
	54	29950011								

MSRN Number Range(s)										
	54	29950012								
	54	29950014								
	54	29950015								
	54	29950016								
	54	29950017								
	54	29950018								
	54	2995139								
	54	29951390								
	54	29951391								
	54	29951392								
	54	29951393								
	54	29951394								
	54	29951395								
	54	29951396								
	54	29951399								
	54	34084500								
	54	34084501								
	54	34084502								
	54	34084503								
	54	34084504								
	54	34084505								
	54	341	47571	47574						
	54	341	47576	47579						
	54	3414677								
	54	34146770								
	54	34146771								
	54	34146773								
	54	34146774								
	54	34146775								
	54	34146778								
	54	34146779								
	54	34147500								
	54	34147502								
	54	34147503								
	54	34147504								
	54	34147505								
	54	34147506								
	54	34147507								
	54	34147508								
	54	34147509								
	54	34147510								
	54	34147511								
	54	34147512								
	54	34147513								
	54	34147514								
	54	34147515								
	54	34147530								

MSRN Number Range(s)										
	54	34147531								
	54	34147532								
	54	34147533								
	54	34147540								
	54	34147541								
	54	34147542								
	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	3414756								
	54	34147560								
	54	34147564								
	54	34147565								
	54	34147566								
	54	34147567								
	54	34147569								
	54	3414757								
	54	34147570								
	54	34147575								
	54	3414758								
	54	34147580								
	54	34147581								
	54	34147582								
	54	34147583								
	54	34147584								
	54	34147585								
	54	34147586								
	54	34147589								
	54	34157515								
	54	34348100								
	54	34348101								
	54	34348102								
	54	34348103								
	54	34348104								
	54	34348105								
	54	34348106								
	54	34348107								
	54	34348108								

MSRN Number Range(s)										
	54	34348110								
	54	34348111								
	54	34348112								
	54	34348113								
	54	34348114								
	54	34348115								
	54	34348116								
	54	34348117								
	54	34348118								
	54	34348119								
	54	34348120								
	54	34348121								
	54	34348122								
	54	34348170								
	54	34348171								
	54	34348172								
	54	34348173								
	54	34348174								
	54	34348175								
	54	34348176								
	54	34348177								
	54	34348178								
	54	34348179								
	54	34348180								
	54	34348181								
	54	34348190								
	54	34348191								
	54	34348193								
	54	34348194								
	54	34348195								
	54	34348196								
	54	34348197								
	54	34348198								
	54	34348199								
	54	3434847								
	54	34348470								
	54	34348471								
	54	34348472								
	54	34348473								
	54	34348474								
	54	34348475								
	54	34348476								
	54	34348478								
	54	34464500								
	54	34464501								
	54	34464502								
	54	34464503								

MSRN Number Range(s)										
	54	34464504								
	54	34464505								
	54	34464506								
	54	34464507								
	54	34464508								
	54	34464509								
	54	34464510								
	54	34464511								
	54	34464512								
	54	34464513								
	54	34464514								
	54	34464515								
	54	34464516								
	54	34464517								
	54	34464518								
	54	34464519								
	54	34464770								
	54	34464771								
	54	34464772								
	54	34464773								
	54	34464774								
	54	34464778								
	54	34464779								
	54	345	43590	43593						
	54	34543501								
	54	34543502								
	54	34543503								
	54	34543504								
	54	34543505								
	54	34543506								
	54	34543507								
	54	34543508								
	54	34543510								
	54	34543511								
	54	34543512								
	54	34543513								
	54	34543514								
	54	34543515								
	54	3454359								
	54	34543594								
	54	34543595								
	54	34543596								
	54	34543597								
	54	34549870								
	54	34549871								
	54	34549872								
	54	34549873								

MSRN Number Range(s)										
	54	34549874								
	54	34824471								
	54	34824473								
	54	34824474								
	54	34824475								
	54	34824477								
	54	34824478								
	54	34824479								
	54	34824590								
	54	34824591								
	54	34824592								
	54	34824594								
	54	34824595								
	54	34824596								
	54	34824597								
	54	34824598								
	54	34824599								
	54	3482658								
	54	34826580								
	54	34826581								
	54	34826582								
	54	34826583								
	54	34826584								
	54	34826585								
	54	34826586								
	54	34826587								
	54	34826588								
	54	34826589								
	54	34834500								
	54	34834501								
	54	34834502								
	54	34844021								
	54	34844022								
	54	34844023								
	54	34844024								
	54	34844025								
	54	34844026								
	54	34844027								
	54	34844028								
	54	34844029								
	54	34875001								
	54	34875002								
	54	34875003								
	54	34875004								
	54	34875005								
	54	34875006								
	54	34875007								

MSRN Number Range(s)										
	54	34875008								
	54	34875009								
	54	34895026								
	54	34895027								
	54	34895028								
	54	34895029								
	54	351	43780	43789						
	54	3514371								
	54	35143710								
	54	35143711								
	54	35143712								
	54	35143713								
	54	35143714								
	54	35143715								
	54	35143718								
	54	3514372								
	54	35143720								
	54	35143721								
	54	35143722								
	54	35143723								
	54	35143724								
	54	35143727								
	54	35143729								
	54	35143730								
	54	35143731								
	54	35143732								
	54	35143733								
	54	35143734								
	54	35143735								
	54	35143736								
	54	35143737								
	54	35143738								
	54	35143739								
	54	35143740								
	54	35143741								
	54	35143742								
	54	35143743								
	54	35143745								
	54	35143746								
	54	35143747								
	54	35143748								
	54	35143749								
	54	35143750								
	54	35143751								
	54	35143752								
	54	35143753								
	54	35143754								

MSRN Number Range(s)										
	54	35143755								
	54	35143756								
	54	35143757								
	54	35143758								
	54	35143759								
	54	3514378								
	54	3514379								
	54	35143791								
	54	35143796								
	54	35143797								
	54	35143799								
	54	35149071								
	54	35149072								
	54	35345600								
	54	35345601								
	54	35345602								
	54	35345603								
	54	35345604								
	54	35345605								
	54	35345606								
	54	35345607								
	54	35345610								
	54	35345611								
	54	35345612								
	54	35345613								
	54	35345614								
	54	35345615								
	54	3534570								
	54	35345704								
	54	3534579								
	54	35345790								
	54	35345791								
	54	35345792								
	54	35345793								
	54	35345794								
	54	35345795								
	54	35345796								
	54	35345799								
	54	35624501								
	54	35624502								
	54	35624503								
	54	35624504								
	54	35624505								
	54	35624506								
	54	35634950								
	54	35634951								
	54	35634952								

MSRN Number Range(s)										
54	35634953									
54	35634954									
54	35634955									
54	35634956									
54	35634957									
54	35634958									
54	35634959									
54	35644420									
54	35644421									
54	35644422									
54	35644423									
54	35644424									
54	35644425									
54	35644426									
54	35644428									
54	35644429									
54	35644770									
54	35644771									
54	35644772									
54	35644773									
54	35644778									
54	35847300									
54	35847301									
54	35847302									
54	35847303									
54	35847304									
54	35847305									
54	3584739									
54	35847390									
54	35847391									
54	35847392									
54	35847393									
54	35847394									
54	35847395									
54	35847396									
54	35847397									
54	35847398									
54	35847399									
54	35848970									
54	35848971									
54	35848972									
54	35848973									
54	35848974									
54	35848975									
54	35848978									
54	35848979									
54	362	44575	44578							

MSRN Number Range(s)										
	54	36241990								
	54	36241991								
	54	36241992								
	54	36241993								
	54	36241994								
	54	36241995								
	54	36241996								
	54	36241997								
	54	3624457								
	54	36244572								
	54	36244573								
	54	36244574								
	54	3624472								
	54	3624475								
	54	36244770								
	54	36244771								
	54	36244772								
	54	36244773								
	54	36244776								
	54	36244777								
	54	36244778								
	54	36244779								
	54	364	44412	44419						
	54	36442800								
	54	36442801								
	54	36442802								
	54	36442803								
	54	36442804								
	54	36442805								
	54	36442806								
	54	36442807								
	54	36442808								
	54	3644441								
	54	36444410								
	54	3644447								
	54	36444470								
	54	36444472								
	54	36444473								
	54	36444474								
	54	36444475								
	54	36444477								
	54	36444478								
	54	36444479								
	54	370	44771	44775						
	54	370	44777	44779						
	54	37044700								
	54	37044701								

MSRN Number Range(s)										
	54	37044702								
	54	37044703								
	54	37044704								
	54	37044705								
	54	37044706								
	54	37044707								
	54	37044708								
	54	3704477								
	54	37044770								
	54	37049290								
	54	37049291								
	54	37049292								
	54	37049293								
	54	37049294								
	54	37049295								
	54	37049296								
	54	37049297								
	54	37049298								
	54	37174703								
	54	37174704								
	54	37214810								
	54	37214811								
	54	37214812								
	54	37214813								
	54	37214814								
	54	37214815								
	54	37254500								
	54	37254501								
	54	37254502								
	54	37254503								
	54	37254504								
	54	373	14950	14959						
	54	373	54500	54509						
	54	375	14970	14973						
	54	37514720								
	54	37514721								
	54	37514722								
	54	37514723								
	54	37514724								
	54	37514725								
	54	37514726								
	54	37514727								
	54	37514728								
	54	37514729								
	54	3751497								
	54	37514974								
	54	37514975								

MSRN Number Range(s)										
	54	37514977								
	54	37514978								
	54	37514979								
	54	37544500								
	54	37544501								
	54	37544502								
	54	37544503								
	54	37544504								
	54	37544505								
	54	37544506								
	54	37544507								
	54	37554591								
	54	37554592								
	54	37554593								
	54	37554594								
	54	37554595								
	54	37554596								
	54	37554597								
	54	37554598								
	54	37554599								
	54	376	44730	44733						
	54	376	44770	44774						
	54	37644720								
	54	37644721								
	54	37644722								
	54	37644723								
	54	37644724								
	54	37644725								
	54	37644726								
	54	37644727								
	54	37644728								
	54	37644729								
	54	37644734								
	54	37644735								
	54	37644736								
	54	37644737								
	54	37644738								
	54	37644739								
	54	3764477								
	54	37644775								
	54	37644777								
	54	37644778								
	54	37644779								
	54	3766473								
	54	377	74470	74473						
	54	37724950								
	54	37724951								

MSRN Number Range(s)										
	54	37724952								
	54	37724953								
	54	37724954								
	54	37724955								
	54	37774400								
	54	37774401								
	54	37774402								
	54	37774403								
	54	37774404								
	54	37774405								
	54	37774406								
	54	37774407								
	54	37774408								
	54	3777447								
	54	37774474								
	54	37774475								
	54	37774477								
	54	37774478								
	54	37944801								
	54	37944802								
	54	37944803								
	54	37944804								
	54	37944805								
	54	37944806								
	54	37944807								
	54	37944808								
	54	38044832								
	54	38044833								
	54	38044834								
	54	38044835								
	54	38044836								
	54	38044837								
	54	38044838								
	54	38044870								
	54	38044871								
	54	38044872								
	54	38044873								
	54	38044874								
	54	38044875								
	54	38044877								
	54	38044878								
	54	381	47080	47088						
	54	381	48975	48979						
	54	38147000								
	54	38147001								
	54	38147002								
	54	38147003								

MSRN Number Range(s)										
	54	38147004								
	54	38147010								
	54	38147011								
	54	38147012								
	54	38147013								
	54	38147014								
	54	38147015								
	54	38147016								
	54	38147017								
	54	38147018								
	54	38147019								
	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	3814708								
	54	38147089								
	54	3814709								
	54	38147090								
	54	38147091								
	54	38147092								
	54	38147093								
	54	38147094								
	54	38147095								
	54	38147096								
	54	38147097								
	54	38147098								
	54	3814897								
	54	38148973								
	54	38214940								
	54	38214941								
	54	38214942								
	54	38214943								
	54	38214944								
	54	38214945								
	54	38340960								
	54	38340961								
	54	38340962								
	54	38340963								

MSRN Number Range(s)										
	54	38340964								
	54	38340965								
	54	38344601								
	54	38344602								
	54	38344603								
	54	38344604								
	54	38344605								
	54	38344870								
	54	38344871								
	54	38344872								
	54	38344873								
	54	38344874								
	54	38344875								
	54	38344877								
	54	38344878								
	54	38344879								
	54	38444770								
	54	38444771								
	54	38444772								
	54	38444773								
	54	38444774								
	54	38444775								
	54	38444777								
	54	38444778								
	54	38444779								
	54	38444840								
	54	38444841								
	54	38444842								
	54	38444843								
	54	38444844								
	54	38444845								
	54	38444846								
	54	38444847								
	54	38546020								
	54	38546021								
	54	38546022								
	54	38546023								
	54	38546024								
	54	38546025								
	54	3854609								
	54	38546090								
	54	38546091								
	54	38546092								
	54	38546093								
	54	38546094								
	54	38546095								
	54	38546096								

MSRN Number Range(s)										
	54	38546097								
	54	38546098								
	54	38549070								
	54	38549071								
	54	38549072								
	54	38549073								
	54	387	49871	49879						
	54	387	84476	84478						
	54	38746000								
	54	38746001								
	54	38746002								
	54	38746003								
	54	38746004								
	54	38746005								
	54	38746006								
	54	38746007								
	54	38746008								
	54	38746009								
	54	38746010								
	54	38746011								
	54	38746012								
	54	38746013								
	54	38746014								
	54	38746015								
	54	38746016								
	54	38746017								
	54	38746018								
	54	38746019								
	54	38746020								
	54	38746021								
	54	38746022								
	54	38746023								
	54	38746024								
	54	38746025								
	54	38746026								
	54	38746030								
	54	38746031								
	54	38746032								
	54	38746033								
	54	38746034								
	54	38746035								
	54	38746036								
	54	38746037								
	54	38746038								
	54	38746039								
	54	38746050								
	54	38746051								

MSRN Number Range(s)										
	54	38746052								
	54	38746053								
	54	38746054								
	54	38746055								
	54	38746056								
	54	38746057								
	54	38746058								
	54	38746059								
	54	38746070								
	54	38746071								
	54	38746090								
	54	38746091								
	54	38746092								
	54	38746093								
	54	38746094								
	54	38746096								
	54	38746097								
	54	38746098								
	54	3874987								
	54	3876477								
	54	38764770								
	54	38764771								
	54	38764772								
	54	38764773								
	54	38764774								
	54	38764775								
	54	38764776								
	54	38764777								
	54	38764778								
	54	38764779								
	54	38764960								
	54	38764961								
	54	38764962								
	54	38764963								
	54	38764964								
	54	38764965								
	54	38784400								
	54	38784401								
	54	38784402								
	54	38784403								
	54	38784404								
	54	38784405								
	54	38784470								
	54	38784471								
	54	38784472								
	54	38784473								
	54	38784474								

MSRN Number Range(s)									
	54	38784475							
	54	38784479							
	544	29015230							

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
54 + 9 + AREA CODE + CUSTOMER MOBILE NUMBER
-
area code is 11).
+ 54 9 11 XXXX XXXX
CALL FORWARDING
Forwarding to a CPP mobile from Argentina
Example: +54 9 11 5174 1111
Example: +54 11 4706 9238
REQUIREMENT FOR SMS INTERWORKING
MSISDN
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:
How to dial to a CPP mobile number in Argentina (e.g. dialing to a mobile from Buenos Aires City which
Dialing format from the abroad after October 7, 2002
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.
Due to the implementation of the above New Dialing Modality all Call Forwarding must be loaded in the
international format following below instructions:
The call forwarding number must be loaded adding digit 9 after the Country Code:
Forwarding to a fix or MPP mobile from Argentina
The call forwarding number must be loaded as it is, WITHOUT adding any digit:
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.
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)
-

Additional Information
-
=====
Implementation Information for Key2roam Hub
=====
-
Signalling Part
- Customer unique ID GT: The originator of the traffic is identified based on the Key2roam Hub Customer Unique ID GT. Customer unique ID GT (15 digits) = the Key2roam Hub prefix (4179991) + Unique Operator Identity (X digits)
-
-
SMS traffic
- Please define Key2roam Hub prefix 4179991 in order to receive SMS Interworking traffic from the Key2roam Hub
-
-
Data Roaming and LTE Key2roam
1) Operator Identifier DNS query for 2G/3G and LTE:
- The Key2roam Hub roaming partner operator identifiers *.mncXXX.mccYYY.gprs / *.epc.mncXXX.mccYYY.3gppnetwork.org to be sent from VPMN DNS to the DNS function (DNSF) of the Key2roam Hub IP: 195.211.12.122 and 195.211.13.122
- Not to be sent to the GRX/IPX carrier DNS. The DNSF query response will contain the Virtual IP address which identifies the roaming partner within the Key2roam Hub community
2) The Key2roam HUB IP backbone ranges:
- IP ranges to be opened on the PMN and its GRX/IPX carrier firewalls
3) Operator Identification Virtual IP address: 195.211.13.246
4) The Key2roam Hub member is identified by the unique static Virtual IP address (195.211.13.246 for ARGK9) assigned by the Key2roam Hub for each network connected
5) DNSF IP addresses:
- HPMN DNS queried by the DNSF (195.211.12.122 / 195.211.13.122 / 195.211.13.123 / 195.211.13.124 / 91.221.82.123 / 91.221.82.124 / 91.221.83.123 / 91.221.83.124) in order to get the IP address of the GGSN (2G/3G) or PGW (LTE)

History of changes

Date	Description
2021-10-29	Delete Duplicate MSRN
2021-10-28	Delete duplicate MSISDN
2021-10-14	Add MSISDN Ranges
2019-12-23	remove MSISDN range 54114091000 to 541140999999
2018-03-13	Key2roam Hub GT prefixes 4179991 and 4179995 removed from MSISDN Number Ranges and Network Node GT Number Range due to simplifications of the Alias GT mechanism
2018-03-13	Network specific Key2roam Hub GT prefix 41799915434 added in Network Node GT Number Range due to simplifications of the Alias GT mechanism
2017-10-20	add MSRN 29544820,29544821,29544822
2017-06-14	ADD NEW MSRN FROM 5435847390 to the END line
2017-04-17	ADD NEW MSRN From 26644720
2017-03-21	Key2roam Hub prefixes 4179991 and 4179995 added in order to ensure that all traffic reaches platform for certain mixed SMS-IW scenarios

INTERNATIONAL SCCP GATEWAY

TADIG code: ARGTP

Alias TADIG code: ARGK9

Section ID: 5 (Optional)

Effective date of change: 2017-10-20

International SCCP carrier list	
SCCP carrier name:	Comfone Key2roam
Connectivity information:	Primary
MNO TADIG code list:	
DPC info:	
Signature:	Comfone
Type:	Roaming HUB
International DPC:	2.57.6
Comments:	
DPC info:	
Signature:	Comfone
Type:	Roaming HUB
International DPC:	0.244.3
Comments:	The international spare DPC can only be addressed by Comfone on-net SCCP customers

History of changes

Date	Description
2017-03-21	Additional DPC information added

SUBSCRIBER IDENTITY AUTHENTICATION

TADIG code: ARGTP

Alias TADIG code: ARGK9

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

Test Numbers Information

TADIG code: ARGTP

Alias TADIG code: ARGK9

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

Alias TADIG code: ARGK9

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

MAP Optimal Routing Section

TADIG code: ARGTP

Alias TADIG code: ARGK9

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

MAP Inter Operator SMS Enhancement

TADIG code: ARGTP

Alias TADIG code: ARGK9

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

NETWORK ELEMENTS INFORMATION

TADIG code: ARGTP

Alias TADIG code: ARGK9

Section ID: 13 (Optional)

Effective date of change: 2022-09-30

Node type	Node ID	GT address / Address range	IP address / Address range	IPv6 address / Address range	Vendor info	SW / HW version	UTC offset
SMSC		41 799915434 0000 / 9999					-03:00
HLR	Clinicas	54 1151740014			Huawei		-03:00
HLR	Belgrano	54 1151740015			Huawei		-03:00
HLR	Munro	54 1151740016			Huawei		-03:00
HLR		54 34990140					-03:00
HLR		54 34990141					-03:00
HLR		54 34990147					-03:00
MME	MME1BEL	54 34990040					-03:00
MME	MME1BEL	54 34990040					-03:00
MME	MME2BEL	54 34990041					-03:00
MME	MME2BEL	54 34990041					-03:00
MME	MME1MUN	54 34990042					-03:00
MME	MME1MUN	54 34990042					-03:00
MME	MME2MUN	54 34990043					-03:00
MME	MME2MUN	54 34990043					-03:00
MME	MME1CLI	54 34990044					-03:00
MME	MME1CLI	54 34990044					-03:00
MME	MME2CLI	54 34990045					-03:00
MME	MME2CLI	54 34990045					-03:00
MMSC	MMSC01	54 34990103			Ericsson		-03:00
MSC/VLR-2G+3G	CL1MSC	54 1151740092			HUAWEI		-03:00
MSC/VLR-2G+3G	BEL1MSC	54 1151740093			HUAWEI		-03:00
MSC/VLR-2G+3G	MUN1MSC	54 1151740094			HUAWEI		-03:00
MSC/VLR-2G+3G		54 34 990500 / 990599			ERICSSON		-03:00
MSC/VLR-2G+3G		54 34 990200 / 990214			Huawei		-03:00
MSC/VLR-2G+3G		54 34 990400 / 990499			ERICSSON		-03:00
Other	DGW6BELu3				Huawei		-03:00
Other	DGW6BELu2				Huawei		-03:00
Other	DGW6BLEu4				Huawei		-03:00
Other	DGW6BELu5				Huawei		-03:00
Other	DGW6BELu6				Huawei		-03:00
Other	DGW6BELu7				Huawei		-03:00
Other	DGW6BELu8				Huawei		-03:00
Other	DGW6MUNu1				Huawei		-03:00
Other	DGW6MUNu2				Huawei		-03:00
Other	DGW6MUNu3				Huawei		-03:00
Other	DGW6MUNu4				Huawei		-03:00
Other	DGW6MUNu5				Huawei		-03:00
PGW	PGW1MUNa		195.211.13.246				-03:00
PGW	PGW1MUNb		195.211.13.246				-03:00
PGW	PGW1BELa		195.211.13.246				-03:00
PGW	PGW1BELb		195.211.13.246				-03:00
PGW	CGW6HORc1		195.211.13.246		Huawei		-03:00
PGW	CGW6SLOc1		195.211.13.246		Huawei		-03:00
PGW	DGW6BELS5u1		195.211.13.246		Huawei		-03:00
PGW	DGW6MUNS5Y5		195.211.13.246		HUAWEI		-03:00
PGW	DGW6MUNS5U1		195.211.13.246		HUAWEI		-03:00
PGW	DGW6MUNS5U2		195.211.13.246		HUAWEI		-03:00
PGW	DGW6MUNS5U3		195.211.13.246		HUAWEI		-03:00
PGW	DGW6MUNS5U4		195.211.13.246		HUAWEI		-03:00
PGW	PGW1CL1a		195.211.13.246				-03:00
PGW	PGW1CL1b		195.211.13.246				-03:00
PGW	PGW2CL1a		195.211.13.246				-03:00
PGW	PGW2CL1b		195.211.13.246				-03:00
PGW	PGW2CL1c		195.211.13.246				-03:00
PGW	PGW2MUNa		195.211.13.246				-03:00
PGW	PGW2MUNb		195.211.13.246				-03:00
PGW	PGW1MZAa		195.211.13.246				-03:00
PGW	PGW1MZAb		195.211.13.246				-03:00
PGW	PGW1BHBa		195.211.13.246				-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
PGW	PGW1BHBb		195.211.13.246				-03:00
PGW	PGW1TUCa		195.211.13.246				-03:00
PGW	PGW1TUCb		195.211.13.246				-03:00
PGW	PGW1CORa		195.211.13.246				-03:00
PGW	PGW1CORb		195.211.13.246				-03:00
PGW	PGW1ROSa		195.211.13.246				-03:00
PGW	PGW1ROSc		195.211.13.246				-03:00
PGW	PGW1RESa		195.211.13.246				-03:00
PGW	PGW1RESb		195.211.13.246				-03:00
SCP	VPN	54 34990063			Huawei		-03:00
SCP	SCP01	54 34990064			Huawei		-03:00
SCP	SCP02	54 34990065			Huawei		-03:00
SGW	DGW6BELS5U3		195.211.13.246		HUAWEI		-03:00
SGW	DGW6BELS5U4		195.211.13.246		HUAWEI		-03:00
SGW	DGW6BELS5U5		195.211.13.246		HUAWEI		-03:00
SGW	DGW6BELS5U6		195.211.13.246		HUAWEI		-03:00
SGW	DGW6BELS5U2		195.211.13.246		hUAWEI		-03:00
SGW	CGW6SLOC2		195.211.13.246				-03:00
SGW	CGW6HORc2		195.211.13.246		Huawei		-03:00
SGW	DGW6BELS5U8		195.211.13.246		HUAWEI		-03:00
SGW	DGW6BELS5U7		195.211.13.246		HUAWEI		-03:00
SMSC		54 1151740011					-03:00
SMSC		54 1151740047					-03:00
SMSC		54 1151740048					-03:00
SMSC		54 1151740050					-03:00
SMSC		54 1151740051					-03:00
SMSC		54 1151740052					-03:00
SMSC		54 1151740054					-03:00
SMSC		54 1151740055					-03:00
SMSC		54 1151740056					-03:00
SMSC		54 1151740089					-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	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
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 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

Node type	Node ID	GT address / Address range	IP address / Address range	IPv6 address / Address range	Vendor info	SW / HW version	UTC offset
SMSC		54 34990137					-03:00
SMSC		54 34990138					-03:00
SMSC		54 34990139					-03:00
SMSC		54 34990142					-03:00
SMSC		54 34990143					-03:00
SMSC		54 34990144					-03:00
SMSC		54 34990145					-03:00
SMSC		54 34990146					-03:00
SMSC		54 34990150					-03:00
SMSC		54 34990151					-03:00
SMSC		54 34990152					-03:00
SMSC		54 34990153					-03:00
SMSC		54 34990154					-03:00
SMSC		54 34990155					-03:00

History of changes

Date	Description
2022-09-30	ADD NEW SGW AND PGW
2022-08-02	ADD NEW NODES CGW and DGW
2020-11-24	Modify GT of SCP nodes 5434990064/5434990065
2020-04-02	New Elemen Network (5434990140;5434990141;5434990147;541151740047;5434990146;5434990152;5434990153)
2019-06-21	new VLR/MSC node (GT 5434990200&&5434990214)
2018-12-04	Delete old MSC/VLR
2018-12-04	Remove node SGSN Ericsson
2018-07-12	Remove OLD HLRs (HLR01,HLR04,HLR06,MTD2HLR,MTD1HLR,CLI1HLR ,HLR02,HLR03,HLR07,,HLR05,HLR08,HLR09,,CLI2HLR ,DAR2HLR)
2018-03-13	Operator specific SMS-C network node range added with Key2roam Hub prefix 41799915434 in order to ensure that all traffic can be exchanged for certain mixed SMS-IW scenarios
2018-03-13	SMS-C network nodes with Key2roam Hub prefixes 4179991 and 4179995 removed due to simplifications of the Alias GT mechanism
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
2017-03-21	SMS-C network nodes added with Key2roam Hub prefixes 4179991 and 4179995 in order to ensure that all traffic can be exchanged for certain mixed SMS-IW scenarios

USSD Information

TADIG code: ARGTP

Alias TADIG code: ARGK9

Section ID: 14 (Optional)

Effective date of change: 2011-06-02

USSD capability available	Yes
Supported phase	Phase 1

History of changes

CAMEL INFO

TADIG code: ARGTP

Alias TADIG code: ARGK9

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)	Planned Date
MT-SMS-CSI		
MG-CSI		
PSI Enhancements		

History of changes

Packet Data Services Information

TADIG code: ARGTP

Alias TADIG code: ARGK9

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	APN Credential		APN Type	ISP DNS IP address (primary)	ISP DNS IP address (secondary)
	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 IP address	WAP Server URL	WAP Port ver 1	WAP Port ver 2
APN	Username	Password					
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	add Type of APN
2019-03-20	remove APN mnc341.mcc722.gprs

IP - Roaming and IP - Interworking Information

TADIG code: ARGTP

Alias TADIG code: ARGK9

Section ID: 17 (Conditional)

Effective date of change: 2022-09-30

List of All IP address ranges used by PMN for connection to inter - PMN IP backbone	IP Address Range
	77.32.226.0/27
	77.32.226.32/27
	77.32.226.64/27
	77.32.226.96/27
	77.32.226.128/27
	77.32.226.160/27
	77.32.226.192/27
	77.32.226.224/27
	91.221.82.96/27
	91.221.83.96/27
	185.47.24.0/26
	185.47.24.64/26
	185.47.24.128/26
	185.47.24.192/26
	185.47.25.0/26
	185.47.25.64/26
	185.47.25.128/26
	185.47.25.192/26
	185.47.26.0/25
	195.211.12.96/27
	195.211.12.128/25
	195.211.13.96/27
	195.211.13.128/25

List of Autonomous System Number (ASN):	ASN
	35030

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
195.211.12.122		dnsf01.comfone.grx
195.211.13.122		dnsf02.comfone.grx

List of PMN local caching DNS server IP addresses and names		
IP address	IPv6 address	DNS Name
195.211.12.122		dnsf01.comfone.grx
195.211.13.122		dnsf02.comfone.grx
195.211.13.123		dnsf03.comfone.grx
195.211.13.124		dnsf04.comfone.grx
91.221.82.123		dnsf05.comfone.grx
91.221.82.124		dnsf06.comfone.grx
91.221.83.123		dnsf07.comfone.grx
91.221.83.124		dnsf08.comfone.grx

List of GRX Providers	GRX Provider
	Comfone

History of changes

Date	Description
2022-08-12	Backbones added: 77.32.226.0/27, 77.32.226.32/27, 77.32.226.64/27, 77.32.226.96/27, 77.32.226.128/27, 77.32.226.160/27, 77.32.226.192/27, 77.32.226.224/27. Backbone removed: 77.32.226.0/24
2019-05-13	New virtual IP range added 185.47.26.0/25
2018-09-25	New IP address range 77.32.226.0/24 added to be used as virtual IP addresses for new Key2roam Hub members

Date	Description
2017-03-21	New caching DNS IP added for existing DNS server dnsf03.comfone.grx 195.211.13.123 and for DNS server dnsf04.comfone.grx 195.211.13.124
2017-03-21	New caching DNS servers added for geo-distribution dnsf05.comfone.grx 91.221.82.123, dnsf06.comfone.grx 91.221.82.124, dnsf07.comfone.grx 91.221.83.123, dnsf08.comfone.grx 91.221.83.124
2017-03-21	New virtual IP range added 91.221.83.96/27

LTE Roaming Information

TADIG code: ARGTP

Alias TADIG code: ARGK9

Section ID: 20 (Optional)

Effective date of change: 2017-11-12

IPX Provider Name	IPX DA Realm Used	Diameter Architecture
Comfone	epc.mnc034.mcc722.3gppnetwork.org	

Primary IP address of DA	Secondary IP address of DA
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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
draus01.comfone.com	91.221.82.96 91.221.82.104 91.221.82.98 91.221.82.106	91.221.82.97 91.221.82.105
dranl01.comfone.com	195.211.12.96 195.211.12.104 195.211.12.98 195.211.12.106	195.211.12.97 195.211.12.105

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 over NAS (SGs) via SS7	SMS over NAS (SGd) via Diameter
false	true	false

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

5G early drop support

	As HPMN	AS VPMN
5G NSA (non-standalone access) supported	No	No
DNS PGW NAPTR includes +nc-nr	No	No
NSA options for EN-DC		
ARD set to support of NR as secondary RAT	No	
Restrict NR access if HSS is not set to support NR as secondary RAT		No

History of changes

VoLTE Roaming Information Section

TADIG code: ARGTP

Alias TADIG code: ARGK9

Section ID: 26 (Conditional)

Effective date of change: 2021-11-19

VoLTE roaming architectures

Architecture	VPMN	HPMN
S8HR	Supported	Supported

Mobility and voice continuity

Technology	VPMN	HPMN
Single Radio Voice Call Continuity	Not supported	Not supported

S8HR roaming constraints

VPLMN technology Strategy for EC	IMS
Lawful Interception	No
EPS QoS to be enforced	General

History of changes

Date	Description
2021-11-19	Add VOLTE Information

CONTACT INFORMATION

TADIG code: ARGTP

Alias TADIG code: ARGK9

Section ID: 21 (Optional, Repeating)

Effective date of change: 2022-07-05

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

Location	Bern, Switzerland		
Office Time Zone in UTC	+01:00		
Office Hours	Week Day (s)	Start Time	End Time
	Mon Tue Wed Thu Fri	08:00:00	17:00:00

Main Contact for Troubleshooting (Office Hours)

Team Name	Tel.	Mobile	Fax	Email
NOC	+41313411100			noc@comfone.com

Escalation Contact for Troubleshooting

Person Name	Tel.	Mobile	Fax	Email
Pedro Da Silva	+41313411354			pedro.dasilva@comfone.com

24 x 7 Troubleshooting (contact out of Office Hours)

Team Name	Tel.	Mobile	Fax	Email
NOC	+41313411100			noc@comfone.com

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 Team	+41313411100		
JobTitle	Email		
	noc@comfone.com		

Roaming Coordinator

Person Name	Tel.	Mobile	Fax
SOC Team	+41313411122		
JobTitle	Email		
	soc@comfone.com		

IREG Tests

Person Name	Tel.	Mobile	Fax
SOC Team	+41313411122		
JobTitle	Email		
	soc@comfone.com		

TADIG Tests

Person Name	Tel.	Mobile	Fax
SOC Team	+41313411122		
JobTitle	Email		
	soc@comfone.com		

IR21 Distribution Email Address

Email
soc@comfone.com

History of changes

Date	Description
2018-03-13	New Escalation Contact for Troubleshooting
2017-03-21	Escalation contact added

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	27	LPWA Roaming Information Section