

GSMA Roaming Database

IR. 21 Data

RAEX IR. 21 Information

Creation date:	2015-05-02
Creation time:	00:25:28+02:00
TADIG-GEN schema version:	2.4
RAEX-IR.21 schema version:	9.2

ORGANISATION INFORMATION

TADIG code: COLTM
Section ID: 1 (Mandatory)

Organisation name:	Colombia Telecomunicaciones S.A. ESP
Country initials:	COL

History of changes

TADIG Code	Section ID	Section	Date	Description
COLTM	10	MAP	2015-05-02	map version information
COLTM	13	Network Elements Information	2015-05-02	NE Information
COLTM	20	LTE Roaming Information	2015-05-02	updating data
COLTM	20	LTE Roaming Information	2015-05-02	lte updating data
COLTM	5	International SCCP Gateway	2015-04-30	Since may 30th TGS will be our sccp carrier.
COLTM	8	Subscriber Identity Authentication	2015-04-30	Subscriber Identity Authentication updated
COLTM	20	LTE Roaming Information	2015-04-30	lte updating data
COLTM	4	Routing Information	2015-03-16	Add new MSRNs over range 573172000000 thru 573172099999
COLTM	17	IP Roaming/Networking Information	2015-03-16	DNS deleted: 190.13.111.110 dns05tel.mnc123.mcc732.gprs (forth 2G&3G) 190.13.111.5 dns03tel.mnc123.mcc732.gprs (fifth 2G&3G) 190.13.111.37 dns04tel.mnc123.mcc732.gprs (sixth 2G&3G)
COLTM	5	International SCCP Gateway	2014-10-17	Clearing about SCCP carrier. TM Spain will remain as our main SCCP carrier. On november we'll make a new integration with new STPs belong to TGS (Madrid, Frankfurt, Miami and Puerto Rico)
COLTM	17	IP Roaming/Networking Information	2014-10-14	Correction of IP address range 190.13.111.224/28 with 190.13.111.224/29
COLTM	17	IP Roaming/Networking Information	2014-08-20	DNS UPDATING. New DNS DNS03BQ5.MNC123.MCC732.3GPPNETWORK.ORG and DNS04BQ5.MNC123.MCC732.3GPPNETWORK.ORG
COLTM	17	IP Roaming/Networking Information	2014-08-01	remove DNS 200.30.109.131 dns02tel.mnc123.mcc732.gprs (fourth)
COLTM	4	Routing Information	2014-07-31	New MSISDN for number portability 57322. MSRNs range updated, new MSRN range 573172000...
COLTM	4	Routing Information	2014-07-26	MSRNs range updated
COLTM	4	Routing Information	2014-07-21	Remove MSRN range 57316211xxxx
COLTM	5	International SCCP Gateway	2014-07-09	SCCP data updated
COLTM	20	LTE Roaming Information	2014-07-09	Add new hostname DRACA1.CAL.EPC.MNC123.MCC732.3GPPNETWORK.ORG
COLTM	20	LTE Roaming Information	2014-07-07	New hostname DRA
COLTM	17	IP Roaming/Networking Information	2014-06-05	remove IP address range 200.30.109.96/27. Add new IP addresses range 190.13.104.0/26 190.13.104.64/26 190.13.104.128/26. New DNS applied for LTE services 190.13.104.78 190.13.104.82
COLTM	5	International SCCP Gateway	2014-04-14	TM Spain is the only SCCP carrier
COLTM	16	Packet Data Service Information	2014-04-14	New APN identifier applied for LTE
COLTM	17	IP Roaming/Networking Information	2014-04-14	New DNS for LTE
COLTM	17	IP Roaming/Networking Information	2014-04-14	New IP range
COLTM	17	IP Roaming/Networking Information	2014-04-14	New IP range
COLTM	17	IP Roaming/Networking Information	2014-04-14	New IP range
COLTM	20	LTE Roaming Information	2014-04-14	EPS QOS Information
COLTM	20	LTE Roaming Information	2014-04-14	EPS QOS
COLTM	20	LTE Roaming Information	2014-04-14	LTE Information
COLTM	4	Routing Information	2013-12-13	New GT range 57319, new MSRN range 57319
COLTM	5	International SCCP Gateway	2013-10-19	Please note that on November, 15th 2013 DPCs 2-030-2, 2-030-3, 2-030-4 and 2-030-5 will be decommissioned. These DPCs will be replaced with: 4-235-5 and 4-235-6
COLTM	16	Packet Data Service Information	2013-10-19	gprs update information
COLTM	16	Packet Data Service Information	2013-10-19	gprs update information
COLTM	17	IP Roaming/Networking Information	2013-10-19	Since October 21st dns01tel.mnc123.mcc732.gprs is removed. New dns05tel.mnc123.mcc732.gprs belongs to 190.13.111.110

TADIG Code	Section ID	Section	Date	Description
COLTM	17	IP Roaming/Networking Information	2013-10-19	Since October 21st dns01tel.mnc123.mcc732.gprs is removed. New dns05tel.mnc123.mcc732.gprs belongs to 190.13.111.110
COLTM	21	Contact Information	2013-10-19	update of Contact List
COLTM	21	Contact Information	2013-05-30	Updating of contact list for Support 7*24
COLTM	21	Contact Information	2013-05-30	Updating of contact for Support 7*24
COLTM	17	IP Roaming/Networking Information	2013-04-23	Correction of DNS Name
COLTM	21	Contact Information	2013-03-11	contact list updated
COLTM	21	Contact Information	2013-03-11	contact list updated
COLTM	16	Packet Data Service Information	2013-02-28	correction in fields of Paket Data Service Information
COLTM	17	IP Roaming/Networking Information	2013-02-28	correction in fields of packet data service information
COLTM	21	Contact Information	2013-01-23	updating contact list
COLTM	21	Contact Information	2013-01-23	updating contact list
COLTM	4	Routing Information	2013-01-09	New MSRN range 57 316 218 xxxx
COLTM	17	IP Roaming/Networking Information	2013-01-09	Replacing IP address range 190.13.111.0/24
COLTM	4	Routing Information	2012-11-16	Addition new MSISDN serie 57319
COLTM	4	Routing Information	2012-11-08	Add new MSISDN serie 57319
COLTM	17	IP Roaming/Networking Information	2012-08-29	Correction of DNS identifying: DNS primary: dns04tel.movistar.com.co, DNS secondary: dns02tel.mnc0123.mcc0732.gprs, DNS tertiary: dns03tel.movistar.com.co and DNS fourth: dns01tel.mnc0123.mcc0732.gprs
COLTM	21	Contact Information	2012-07-09	updating contact list
COLTM	4	Routing Information	2012-05-14	MSRN Updated
COLTM	4	Routing Information	2011-07-16	New Mobile Number Portability Information
COLTM	21	Contact Information	2011-06-13	updating contact list email addresses for IREG testing team and TADIG testing
COLTM	21	Contact Information	2011-06-13	Updating email address Roaming Support 7*24

NETWORK

TADIG code: COLTM
Section ID: 2 (Mandatory, Repeating)

TADIG code:	COLTM
Network type:	Terrestrial
Presentation of country initials and MNN:	COL
Abbreviated MNN:	TM
Network colour code:	8

NETWORK INFORMATION

TADIG code: COLTM
Section ID: 3 (Mandatory)

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

ROUTING INFORMATION

TADIG code: COLTM

Section ID: 4 (Mandatory)

Effective date of change: 2015-03-16

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC
MSISDN number ranges (s)						
	57	315	0000000	9999999		
	57	316	2200000	9999999		
	57	317	0000000	9999999		
	57	318	0000000	9999999		
	57	319	2010000	9999999		

Network Nodes Global Title Number Range(s)						
	57	316	0000000	0099999		
	57	319	2000000	2000999		

MSRN Number Range(s)						
	57	316	2002000	2039999		
	57	316	2092000	2095999		
	57	316	2137000	2164799		
	57	316	2169000	2197199		
	57	317	2000000	2099999		
	57	319	2001000	2009999		

E. 212 Number series	Mobile Country Code (MCC)	Mobile Network Code (MNC)
	732	123

E. 214 Mobile Global Title (MGT)	Country Code of MGT (CC)	Network Code of MGT (NC)
	57	316

Does Number Portability apply ?	Yes
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USIM SIM Header	8957
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E. 164 Number Ranges due to Number Portability	CC	NDC	SN Range Start	SN Range Stop
	57	300		
	57	301		
	57	304		
	57	310		
	57	311		
	57	312		
	57	313		
	57	314		
	57	320		
	57	321		
	57	350		
	57	322		

INTERNATIONAL SCCP GATEWAY

TADIG code: COLTM

Section ID: 5 (Optional)

Effective date of change: 2015-04-30

International SCCP carrier list	
SCCP carrier name:	SCCP Carrier
Connectivity information:	Primary
MNO TADIG code list:	
DPC info:	
Signature:	iSTP Miami
Type:	
International DPC:	3.182.2
Comments:	New SCCP Carrier TGS
DPC info:	
Signature:	iSTP Puerto Rico
Type:	
International DPC:	3.60.0
Comments:	New SCCP Carrier TGS
DPC info:	
Signature:	Alias PC America
Type:	
International DPC:	3.191.7
Comments:	New SCCP Carrier TGS
DPC info:	
Signature:	iSTP Madrid
Type:	
International DPC:	2.31.4
Comments:	New SCCP Carrier TGS
DPC info:	
Signature:	iSTP Frankfurt
Type:	
International DPC:	2.242.6
Comments:	New SCCP Carrier TGS
DPC info:	
Signature:	Alias PC Europe
Type:	
International DPC:	2.31.5
Comments:	New SCCP Carrier TGS

SCCP Protocol available at PMN for connection for International SS7 Roaming

TADIG code: COLTM

Section ID: 7 (Optional)

Effective date of change: 2011-05-16

SCCP Protocol available at PMN	Availability (Yes / No)
ETSI (ITU):	Yes
ANSI:	No

SUBSCRIBER IDENTITY AUTHENTICATION

TADIG code: COLTM

Section ID: 8 (Optional)

Effective date of change: 2015-04-30

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

MOBILE APPLICATION PART (MAP)

TADIG code: COLTM

Section ID: 10 (Optional)

Effective date of change: 2015-05-02

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	MAPv3	
subscribeDataMngt	MAPv3	MAPv3	MAPv3	
networkFunctionalSs	MAPv3	N/A	MAPv3	
mwdMngt	MAPv3	MAPv3	MAPv3	
shortMsgMT-Relay (called shortMsgRelay in v1)	MAPv3	MAPv3	MAPv3	
shortMsgMO-Relay (called shortMsgRelay in v1)	MAPv3	MAPv3	MAPv3	
ss-InvocationNotification	MAPv3	N/A	MAPv3	
subscriberInfoEnquiry	MAPv3	MAPv3	MAPv3	
gprsLocationUpdate	N/A	MAPv3	MAPv3	
locationCancellation	MAPv3	MAPv3	MAPv3	
msPurging	MAPv3	MAPv3	MAPv3	
reset	MAPv3	MAPv3	MAPv3	
networksUnstructuredSs	MAPv3	N/A	MAPv3	
reporting	MAPv3	N/A	MAPv3	
callCompletion	MAPv3	N/A	MAPv3	
istAlerting	MAPv3	N/A	MAPv3	
service Termination	MAPv3	N/A	MAPv3	
locationSvcGateway	N/A	N/A	MAPv3	
mm-EventReporting	MAPv3	N/A	MAPv3	
authenticationFailureReport	MAPv3	MAPv3	MAPv3	
imsiRetrieval	MAPv3	N/A	MAPv3	
gprsNotifyContext	N/A	MAPv3	MAPv3	
gprsLocationInfoRetrieval	N/A	MAPv3	MAPv3	
failureReport	N/A	MAPv3	MAPv3	
secureTransportHandling	MAPv3	MAPv3	MAPv3	

MAP Inter Operator SMS Enhancement

TADIG code: COLTM

Section ID: 12 (Optional)

Effective date of change: 2011-05-16

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

NETWORK ELEMENTS INFORMATION

TADIG code: COLTM
Section ID: 13 (Optional)
Effective date of change: 2015-05-02

Node type	Node ID	GT address / Address range	IP address / Address range	Vendor info	SW / HW version	Dual access	Location	UTC offset	DST start	DST end
VLR		57 3160		Nokia				-05:00		
SGSN-2G+3G		57 3160		Huawei				-05:00		
HLR		57 3160		Huawei				-05:00		

USSD Information

TADIG code: COLTM
Section ID: 14 (Optional)
Effective date of change: 2011-05-16

USSD capability available	Yes
Supported phase	

CAMEL INFO

TADIG code: COLTM

Section ID: 15 (Conditional)

Effective date of change: 2011-05-16

gsmSSF/MSC

CAP Version supported (Inbound)		CAP Version supported (Outbound)	
CAPv2 CAPv1		CAPv2	
CAMEL Functionality Information			
Service(s) Name	SK	CAP Version	SCP GT addresses
CAPv4 Partial Implementations			
CAMEL Phase 4 CSIs:	Supported (Yes / No)		Planned Date
O - CSI			
D - CSI			
VT - CSI			
MT - SMS - CSI			
Functionalities:	Supported (Yes / No)		Planned Date
Initiate Call Attempt			
Split Leg			
Move Leg			
Disconnect Leg			
Entity Released			
DFC With Argument			
Play Tone			
DTMF Mid Call			
Charging Indicator			
Alerting DP			
Location At Alerting			
Change Of Position DP			
OR Interactions			
Warning Tone Enhancements			
CF Enhancements			
CAPv4 Partial Implementations			
CAMEL Phase 4 CSIs:	Supported (Yes / No)		Planned Date
MT - SMS -CSI			
MG - CSI			
PSI Enhancements			

Packet Data Services Information

TADIG code: COLTM

Section ID: 16 (Conditional)

Effective date of change: 2014-04-14

List of APN Operator Identifiers

APN Operator Identifier	Description	Example
MNC123.MCC732.GPRS		
MNC123.MCC732.3GPPNETWORK.ORG	LTE Information	

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

APN Credential			ISP DNS IP address (primary)	ISP DNS IP address (secondary)
APN	Username	Password		
internet.movistar.com.co				
Blackberry.net				
correomovil.movistar.com.co				

APN WAP List

APN Credential			WAP Gateway IP address	WAP Server URL	WAP Port ver 1	WAP Port ver 2
APN	Username	Password				
Wap.movistar.com.co						

APN MMS List

APN Credential			WAP Gateway IP address for MMS	Messaging Server URL
APN	Username	Password		
mms.movistar.com.co				

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:	UMTS2500
Traffic class:	Interactive
ARP:	1
Evolved ARP:	1
Maximum bit rate uplink:	320
Maximum bit rate downlink:	2500
Guaranteed bit rate uplink:	320
Guaranteed bit rate downlink:	2500
Traffic handling priority:	All

GTP Version

SGSN	GTPv1
GGSN	GTPv1

List of Data Service supported

2G Data Services	Multislot Class Capability
EDGE	

3G Data Services	UE 3G Category
HSDPA	
3GPP	

Multiple PDP Context Support

Number of Primary PDP Context	Not supported
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IP - Roaming and IP - Interworking Information

TADIG code: COLTM

Section ID: 17 (Conditional)

Effective date of change: 2015-03-16

List of All IP address ranges used by PMN for connection to inter - PMN IP backbone	IP Address Range
	200.30.109.128/27
	190.13.111.0/27
	190.13.111.32/27
	190.13.111.64/27
	190.13.111.96/27
	190.13.111.128/27
	190.13.111.160/27
	190.13.111.192/27
	190.13.104.0/26
	190.13.104.64/26
	190.13.104.128/26
	190.13.111.224/29

RAI Additional MCC/MNC List	MCC	MNC
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ULI Additional MCC/MNC List	MCC	MNC
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List of Autonomous System Number (ASN):	ASN
	64854

List of Autonomous System Number (ASN4B):	ASN4B
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List of PMN authoritative DNS server IP addresses and names	IP address	DNS Name
	190.13.104.142	DNS03SB5.MNC123.MCC732.3GPPNETWORK.ORG (primary
	190.13.104.146	DNS04SB5.MNC123.MCC732.3GPPNETWORK.ORG (primary
	190.13.104.78	DNS04CA5.MNC123.MCC732.3GPPNETWORK.ORG (seconda
	190.13.104.82	DNS05CA5.MNC123.MCC732.3GPPNETWORK.ORG (seconda
	190.13.104.14	DNS03BQ5.MNC123.MCC732.3GPPNETWORK.ORG (tertiary
	190.13.104.18	DNS04BQ5.MNC123.MCC732.3GPPNETWORK.ORG (tertiary

List of GRX Providers	GRX Provider
	TELEFONICA TIWS

MMS Interworking Information

TADIG code: COLTM

Section ID: 18 (Optional)

Effective date of change: 2011-05-16

MMS Elementa Data

Domain name of MMSC	IP Address	Max. size of MMS allowed	Delivery Report allowed? (Yes / No)	Read Report allowed? (Yes / No)	IP address(es) of Incoming MTA	IP address(es) of Outgoing MTA
mms.movistar.com.co	10.59.32.32/28	14	Yes	Yes	192.168.222.7	192.168.222.7 192.168.222.7

List of MMS IW Hub Provider	MMS IW Hub Provider Name	GT address(es)
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LTE Roaming Information

TADIG code: COLTM

Section ID: 20 (Optional)

Effective date of change: 2015-05-02

Roaming Interconnection**FQDN Diameter Edge Agent**

FQDN	Primary IP Address DEA FQDN	Secondary IP Address DEA FQDN
DRASB1.BOG.EPC.MNC123.MCC732.3 GPPNETWORK.ORG	190.13.103.36	190.13.103.44
DRACA1.CAL.EPC.MNC123.MCC732.3 GPPNETWORK.ORG	190.13.103.148	190.13.103.156

EPC Realms For Roaming

EPC.MNC123.MCC732.3GPPNETWORK.ORG

S6a Supported without IWF	S6a MAP IWF supported to HSS	S6a MAP IWF supported to MME
true	false	false
S6d used for legacy SGSN	S8 GTP interface available	S8 PMIP interface available
false	true	false
S9 used for PCC	false	

SMS ITW

SMS delivery over IP	SMS delivery over SGs
false	true

Voice ITW

CSFB

Roaming Retry

Is Roaming Retry supported?	No
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LTE Roaming Agreement Only	LTE Only Roaming Supported	HPMN	VPMN
2G/3G Roaming Agreement Only	Scenario 2 Supported	Yes	Yes
	Scenario 3 Supported	No	No
2G/3G/LTE Roaming Agreement	Scenario 1 Supported	No	No
	Scenario 2 Supported	Yes	Yes
	Scenario 3 Supported	No	No
	Scenario 4 Supported	No	No

IPv6 Connectivity Information

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

Information for Diameter certificates exchange

IP Addresses of 1st IPsec gateway	10.104.1.4
IP Addresses of 2nd IPsec gateway	10.104.5.4
	10.104.9.4

LTE Information

QCI Value 1 Supported	Yes
QCI Value 2 Supported	No
QCI Value 3 Supported	No
QCI Value 4 Supported	No
QCI Value 5 Supported	No
QCI Value 6 Supported	No
QCI Value 7 Supported	No
QCI Value 8 Supported	No
QCI Value 9 Supported	No

CONTACT INFORMATION

TADIG code: COLTM

Section ID: 21 (Optional, Repeating)

Effective date of change: 2013-05-30

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

Location		Madrid	
Office Time Zone in UTC		+01:00	
Office Hours	Week Day (s)	Start Time	End Time
	all week days	02:00:00	23:00:00

Main Contact for Troubleshooting (Office Hours)

Team Name	Tel.	Mobile	Fax	Email
Roaming Department	34914522379	34914522379		grtu_problem_support.tgsolutions@telefonica.com

Escalation Contact for Troubleshooting

Person Name	Tel.	Mobile	Fax	Email
1 Roaming Support GRTU Problem Support	34914522379	34914522379	34914522379	grtu_problem_support.tgsolutions@telefonica.com

24 x 7 Troubleshooting (contact out of Office Hours)

Team Name	Tel.	Mobile	Fax	Email
Roaming Support	573153280028	34914522379 573153280028	34914522379	plataformasDatasyTX.movil.co@telefonica.com grtu_problem_support.tgsolutions@telefonica.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
Vladimir Matulevich Engineering Department	5717050000 72432	573162100021	573162100021
JobTitle		Email	
Signalling Configuration		vladimir.matulevich@telefonica.com	

Roaming Coordinator

Person Name	Tel.	Mobile	Fax
Carlos Arturo Ramirez Roaming Coordinator	5717050000 78423	573153679934	573153679934
JobTitle		Email	
Contract Negotiation & Handling Test SIM cards		carlos.ramirezp@telefonica.com	
Person Name	Tel.	Mobile	Fax
Luis Ernesto Gonzalez Roaming Coordinator	5717050000 78344	573164714041	573164714041
JobTitle		Email	
Contract Negotiation & Handling Test SIM cards		luise.gonzalezp@telefonica.com	

IREG Tests

Person Name	Tel.	Mobile	Fax
IREG tests Platforms Department	5717050000 74121 5717050000 74122	573153280028	573153280028
JobTitle		Email	
GPRS and Ireg tester		plataformasDatasyTX.movil.co@telefonica.com	

TADIG Tests

Person Name	Tel.	Mobile	Fax
Diana Milena Lievano Billing Department	5717050000 79282	573153289373	
JobTitle		Email	
TADIG tester		diana.lievano@telefonica.com	
Person Name	Tel.	Mobile	Fax
Edna Camargo Guerrero Billing Department	5717050000 72005	573174342375	
JobTitle		Email	
TADIG tester		edna.camargo@telefonica.com	

IR21 Distribution Email Address

Email
vladimir.matulevich@telefonica.com plataformasDatasyTX.movil.co@telefonica.com

SECTIONS NOT IN USE

TADIG Code	Section ID	Section Name
COLTM	6	Domestic SCCP Gateway
COLTM	9	Test Numbers Information
COLTM	11	MAP Optimal Routing Section
COLTM	19	WLAN Information
COLTM	22	Hosted Networks
COLTM	23	M2M Roaming Information
COLTM	24	MVNO Information