

# GSMA Roaming Database

## IR. 21 Data

RAEX IR. 21 Information

Creation date:	2013-12-11
Creation time:	16:14:33+01:00
TADIG-GEN schema version:	2.4
RAEX-IR.21 schema version:	8.2

**ORGANISATION INFORMATION**

TADIG code: FRAF1  
Section ID: 1 (Mandatory)

Organisation name:	Orange
Country initials:	FRA

## History of changes

TADIG Code	Section ID	Section	Date	Description
FRAF1	16	Packet Data Service Information	2013-11-22	WARNING : Evolved ARP , in the 2G/3G QOS profiles, is not applicable on this case ! Don't take into account the value : Evolved ARP =1
FRAF1	20	LTE Roaming Information	2013-11-22	Add LTE Roaming Information
FRAF1	13	Network Elements Information	2013-11-08	Add new SGW and PGW
FRAF1	16	Packet Data Service Information	2013-11-08	Add 2G/3G Qos Profile
FRAF1	4	Routing Information	2013-08-21	Add new NDC 789
FRAF1	21	Contact Information	2013-07-03	Modify IREG expert
FRAF1	4	Routing Information	2013-06-10	Number portability, NDC update (For info only, check partner's IR21)
FRAF1	13	Network Elements Information	2013-06-10	Add new SGSN 33689007100
FRAF1	16	Packet Data Service Information	2013-06-10	Add LTE APN Operator Identifier
FRAF1	17	IP Roaming/Networking Information	2013-06-10	Additional LTE DNS Server
FRAF1	17	IP Roaming/Networking Information	2013-06-10	Change DNS Server Name
AAZOR	4	Routing Information	2013-06-10	Add new M2M network - Don't implement AAZOR if not asked
AAZOR	5	International SCCP Gateway	2013-06-10	Add International SCCP Gateway
AAZOR	7	SCCP Protocol	2013-06-10	Add SCCP protocol information
AAZOR	10	MAP	2013-06-10	Add MAP informations
AAZOR	12	MAP Inter Operator SMS Enhancement	2013-06-10	Add MAP inter operator SMS Enhancement informations
AAZOR	13	Network Elements Information	2013-06-10	Add new Network Elements Information
AAZOR	21	Contact Information	2013-06-10	Add Contacts
AAZOR	8	Subscriber Identity Authentication	2013-06-03	Add Subscriber Identity Authentication for AAZOR Network
FRAF1	21	Contact Information	2012-11-23	Modify IREG Manager
FRAF1	4	Routing Information	2012-11-15	Remove MSISDN range 33 6444 to 33 6446 which belongs to Transatel
FRAF1	13	Network Elements Information	2012-10-16	Add new SGSN range 3368900710X
FRAF1	4	Routing Information	2012-09-19	Add new MSISDN range 33785, 3377155 to 3377159
FRAF1	13	Network Elements Information	2012-09-19	Update minor information
FRAF1	17	IP Roaming/Networking Information	2012-09-19	Additional ULI MCC/MNC used for national roaming called White Zone
FRAF1	21	Contact Information	2012-09-19	Add new IREG contact
FRAF1	21	Contact Information	2012-09-19	Remove 24/7 troubleshooting contact
FRAF1	4	Routing Information	2012-04-11	Remove Short Code Translation 898
FRAF1	4	Routing Information	2012-04-11	Add new MSISDN range 336444 to 336446
FRAF1	13	Network Elements Information	2012-03-20	Add new MMSC 33689003448
FRAF1	13	Network Elements Information	2012-03-20	Add new MMSC range 3368900351X and 3368900352X
FRAF1	16	Packet Data Service Information	2012-02-01	In our GGSN GTPv0 is supported only if the PDP is initiated in GTPv0 (Create PDP Context). We do not support Update PDP Context performed in GTPv0 if the PDP was previously initiated in GTPv1.
FRAF1	21	Contact Information	2012-02-01	New Operation Manager, Troubleshooting & IREG contact number
FRAF1	13	Network Elements Information	2012-01-31	GGSN SW version Update
FRAF1	13	Network Elements Information	2012-01-31	Add new MMSC range 33689003446 to 33689003447
FRAF1	4	Routing Information	2011-11-07	Add new MSISDN range 337702
FRAF1	4	Routing Information	2011-11-07	Add new MSISDN range 3375061 to 3375069
FRAF1	4	Routing Information	2011-10-05	Number portability, NDC update
FRAF1	4	Routing Information	2011-10-05	Add SN Range Start and SN Range Stop for all NDC ranges
FRAF1	4	Routing Information	2011-10-05	Add Additional Information about SMS-IW with Monacell (Monaco)

TADIG Code	Section ID	Section	Date	Description
FRAF1	5	International SCCP Gateway	2011-10-05	Fixed DPC not present in SCCP Carrier List
FRAF1	13	Network Elements Information	2011-10-05	Add new SMSC range 3368900672 to 3368900675 (Voice Mail SMS Notification)
FRAF1	13	Network Elements Information	2011-10-05	Add new SGSN range 3368900339X
FRAF1	13	Network Elements Information	2011-10-05	BSS and UTRAN network elements are no longer provided
FRAF1	13	Network Elements Information	2011-10-05	SGSN SW version Update
FRAF1	15	CAMEL Information	2011-10-05	CAMEL Functionality Information are no longer provided
FRAF1	17	IP Roaming/Networking Information	2011-10-05	Additional RAI MCC/MNC used for national roaming called White Zone
FRAF1	21	Contact Information	2011-10-05	New mail domain @orange.com instead of @orange-ftgroup.com
FRAF1	21	Contact Information	2011-10-05	New Operation Manager, Ireg Manager, Ireg expert
FRAF1	4	Routing Information	2011-05-11	Add new MSISDN range 3364956 to 33664959, 3364992 to 33664993, 337701
FRAF1	4	Routing Information	2011-04-02	Add new MSISDN ranges 33 7872 to 33 7879, 33 7880 to 33 7885
FRAF1	21	Contact Information	2011-04-01	Update of Troubleshooting contact with RAEX
FRAF1	10	MAP	2011-03-08	MAP version Update and comments for UMTS and GPRS
FRAF1	4	Routing Information	2010-12-21	Add new MSISDN ranges 33 649 51 to 33 649 55, 33 6498, 33 7700

**NETWORK**

TADIG code: FRAF1  
Section ID: 2 (Mandatory, Repeating)

TADIG code:	FRAF1
Network type:	Terrestrial
Presentation of country initials and MNN:	Orange FR
Abbreviated MNN:	Orange
Network colour code:	1

**NETWORK INFORMATION**

TADIG code: FRAF1  
Section ID: 3 (Mandatory)

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The following information refer to the network identified by TADIG code FRAF1

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**ROUTING INFORMATION**

TADIG code: FRAF1

Section ID: 4 (Mandatory)

Effective date of change: 2013-09-03

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC
<b>MSISDN number ranges (s)</b>						
	33	602	000000	199999		
	33	607	000000	999999		
	33	608	000000	999999		
	33	630	000000	999999		
	33	631	000000	999999		
	33	632	000000	999999		
	33	633	000000	999999		
	33	636	500000	999999		
	33	637	000000	999999		
	33	638	100000	999999		
	33	640	100000	999999		
	33	641	600000	619999		
	33	641	700000	799999		
	33	642	000000	999999		
	33	643	000000	999999		
	33	644	100000	399999		
	33	645	000000	999999		
	33	647	000000	999999		
	33	648	000000	999999		
	33	649	000000	499999		
	33	649	510000	599999		
	33	649	600000	899999		
	33	649	920000	939999		
	33	670	000000	999999		
	33	671	000000	999999		
	33	672	000000	999999		
	33	673	000000	999999		
	33	674	000000	999999		
	33	675	000000	999999		
	33	676	000000	999999		
	33	677	000000	999999		
	33	678	000000	999999		
	33	679	000000	999999		
	33	680	000000	999999		
	33	681	000000	999999		
	33	682	000000	999999		
	33	683	000000	999999		
	33	684	000000	999999		
	33	685	000000	999999		
	33	686	000000	999999		
	33	687	000000	999999		

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC
<b>MSISDN number ranges (s)</b>						
	33	688	000000	999999		
	33	689	000000	999999		
	33	750	610000	699999		
	33	770	000000	299999		
	33	770	500000	999999		
	33	771	550000	599999		
	33	785	000000	999999		
	33	786	000000	999999		
	33	787	000000	999999		
	33	788	000000	599999		
	33	789	000000	999999		

<b>Network Nodes Global Title Number Range(s)</b>						
	33	689	000000	009999		

<b>MSRN Number Range(s)</b>						
	33	654	000000	999999		

<b>E. 212 Number series</b>	<b>Mobile Country Code (MCC)</b>	<b>Mobile Network Code (MNC)</b>
	208	01

<b>E. 214 Mobile Global Title (MGT)</b>	<b>Country Code of MGT (CC)</b>	<b>Network Code of MGT (NC)</b>
	33	689

<b>Does Number Portability apply ?</b>	Yes
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<b>USIM SIM Header</b>	893301
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<b>E. 164 Number Ranges due to Number Portability</b>	<b>CC</b>	<b>NDC</b>	<b>SN Range Start</b>	<b>SN Range Stop</b>
	33	6	00000000	99999999
	33	7	00000000	99999999

<b>Additional Information</b>	
The MSISDN size is always 11 digits.	
The MSISDNs ranges are coded as follow : 33 ABPQMCDU where A = 6 or 7	
Orange France host SMS-InterWorking for Monacell subscribers (Monaco) :	
SMS-MO from your network to Monacell subscribers (+3776XXXXXX) need to be routed to Orange France	
Implements +3776 GT in your SMSC and route SMS to +3776 subscribers towards our SS7 international SCCP Gateway	

<b>Short Number Translation Information List</b>		
<b>Short Number</b>	<b>Long Number</b>	<b>Service Name</b>
706	33675052000	Customer Care Business
700	33607626464	Customer Care
888	33654185488	Voice Mail retrieval



**INTERNATIONAL SCCP GATEWAY**

TADIG code: FRAF1

Section ID: 5 (Optional)

Effective date of change: 2011-04-01

International SCCP carrier list	
<b>SCCP carrier name:</b>	FT/IBNF
<b>Connectivity information:</b>	Primary
<b>MNO TADIG code list:</b>	
<b>DPC info:</b>	
Signature:	Paris TK1
Type:	SCCP/STP
International DPC:	2.202.3
Comments:	
<b>DPC info:</b>	
Signature:	Reims TK2
Type:	SCCP/STP
International DPC:	2.202.4
Comments:	
<b>SCCP carrier name:</b>	FT/IBNF for ANSI conversion
<b>Connectivity information:</b>	Primary
<b>MNO TADIG code list:</b>	
<b>DPC info:</b>	
Signature:	Paris TK1
Type:	SCCP/STP
International DPC:	6.254.15
Comments:	
<b>DPC info:</b>	
Signature:	Reims TK2
Type:	SCCP/STP
International DPC:	6.254.16
Comments:	

**SCCP Protocol available at PMN for connection for International SS7 Roaming**

TADIG code: FRAF1

Section ID: 7 (Optional)

Effective date of change: 2011-04-01

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

## **SUBSCRIBER IDENTITY AUTHENTICATION**

TADIG code: FRAF1

Section ID: 8 (Optional)

Effective date of change: 2011-04-01

<b>Authentications</b>	<b>Performed (Yes / No)</b>
<b>Authentication performed for Roaming subscribers at the commencement of GSM service</b>	Yes
<b>Authentication performed for roaming subscribers in case of GPRS</b>	Yes
<b>A5 Cipher Algorithm version in use</b>	A5/3

**MOBILE APPLICATION PART (MAP)**

TADIG code: FRAF1

Section ID: 10 (Optional)

Effective date of change: 2012-10-16

<b>Interworking specifically for roaming</b>				
<b>Application context name</b>	<b>Current version in</b>			<b>Comments</b>
	<b>Inbound roaming</b>		<b>Outbound roaming</b>	
	<b>MSC/VLR</b>	<b>SGSN</b>	<b>Outbound roaming</b>	
networkLocUp	MAPv2	N/A	MAPv2	V3 for CAMEL and UMTS
roamingNumberEnquiry	MAPv3	N/A	MAPv1	HLR at V3 for Camel and 3G
InfoRetrieval	MAPv2	MAPv3	MAPv3	V3 for UMTS
subscribeDataMngt	MAPv3	MAPv3	MAPv3	HLR : ACv2 for GSM only. ACv3 for Camel, GPRS and UMTS
networkFunctionalSs	MAPv2	N/A	MAPv1	
mwdMngt	-	-	-	
shortMsgMT-Relay (called shortMsgRelay in v1)	MAPv3	-	MAPv2	
shortMsgMO-Relay (called shortMsgRelay in v1)	MAPv1	-	MAPv1	
ss-InvocationNotification	MAPv3	N/A	-	
subscriberInfoEnquiry	MAPv3	-	MAPv3	
gprsLocationUpdate	N/A	MAPv3	MAPv3	
locationCancellation	MAPv3	MAPv3	MAPv1	HLR : ACv3 for GPRS (and UMTS)
msPurging	MAPv2	-	MAPv3	
reset	MAPv3	-	MAPv1	
networksUnstructuredSs	MAPv2	N/A	MAPv2	
reporting	MAPv3	N/A	MAPv3	
callCompletion	MAPv3	N/A	-	
istAlerting	-	N/A	-	
service Termination	-	N/A	-	
locationSvcGateway	N/A	N/A	-	
mm-EventReporting	-	N/A	-	
authenticationFailureReport	-	-	MAPv3	V3 for UMTS
imsiRetrieval	-	N/A	MAPv2	
gprsNotifyContext	N/A	-	-	
gprsLocationInfoRetrieval	N/A	-	-	
failureReport	N/A	-	-	
secureTransportHandling	-	-	-	

**MAP Inter Operator SMS Enhancement**

TADIG code: FRAF1

Section ID: 12 (Optional)

Effective date of change: 2011-04-01

<b>Inter - Operator SMS Enhancement</b>				
<b>Application context name</b>	<b>Current version in</b>			<b>Comments</b>
	<b>SMS - IWMSC</b>	<b>SMS - GMSC</b>	<b>HLR</b>	
shortMsgGateway	N/A	MAPv1	MAPv2	
shortMsgAlert	MAPv2	N/A	MAPv2	

## NETWORK ELEMENTS INFORMATION

TADIG code: FRAF1

Section ID: 13 (Optional)

Effective date of change: 2013-11-08

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
GGSN			80.10.3.32/27	Ericsson	2011A		FRA	+01:00		
GGSN			80.10.2.96/27	Ericsson	2011A		FRA	+01:00		
GGSN			80.10.3.192/26	Ericsson	2011A		FRA	+01:00		
GGSN			80.10.2.64/27	Ericsson	2011A		FRA	+01:00		
GGSN			80.10.2.160/27	Ericsson	2011A		FRA	+01:00		
HLR		33 689002 000 / 999		Alcatel-Lucent	R3.2		FRA	+01:00		
MMSC		33 6890034 46 / 48		NSN	R5.0		FRA	+01:00		
MMSC		33 6890035 10 / 29		NSN	R5.0		FRA	+01:00		
MMSC		33 689004089		FT/I-BNF			FRA	+01:00		
MMSC		33 68900514 0 / 9		Ericsson	R4.0		FRA	+01:00		
MSC/ VLR-2G+3G		33 68900 0000 / 1999		Ericsson	MSS 4.1		FRA	+01:00		
SCP		33 689003 000 / 999		Alcatel-Lucent	R2.4		FRA	+01:00		
SCP		33 689006 000 / 999		Alcatel-Lucent	R2.4		FRA	+01:00		
SGSN-2G+3G		33 6890033 30 / 59		Ericsson	2010B		FRA	+01:00		
SGSN-2G+3G		33 6890033 90 / 99		Ericsson	2010B		FRA	+01:00		
SMSC		33 689000200					FRA	+01:00		
SMSC		33 689000720					FRA	+01:00		
SMSC		33 6890040 00 / 29		Acision	v5.2		FRA	+01:00		
SMSC	STP	33 68900409 0 / 9		Tekelec	Eagle XG		FRA	+01:00		
SMSC		33 689005 100 / 299		Voice Mail SMS			FRA	+01:00		
SMSC		33 6890067 20 / 59		Voice Mail SMS			FRA	+01:00		
SGSN-2G+3G		33 68900710 0 / 5		CISCO			FRA	+01:00		
SGW			80.10.2.35	CISCO	R14		FRA	+01:00		
SGW			80.10.3.1	CISCO	R14		FRA	+01:00		
SGW			80.10.2.41	CISCO	R14		FRA	+01:00		
PGW			80.10.2.36	CISCO	R14		FRA	+01:00		
PGW			80.10.3.2	CISCO	R14		FRA	+01:00		
PGW			80.10.2.42	CISCO	R14		FRA	+01:00		

**USSD Information**

TADIG code: FRAF1  
Section ID: 14 (Optional)  
Effective date of change: 2011-04-01

USSD capability available	Yes
Supported phase	Phase 2

**CAMEL INFO**

TADIG code: FRAF1

Section ID: 15 (Conditional)

Effective date of change: 2011-04-01

**gsmSSF/MSC**

CAP Version supported (Inbound)		CAP Version supported (Outbound)	
CAPv1 CAPv2		CAPv2 CAPv1	
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: FRAF1

Section ID: 16 (Conditional)

Effective date of change: 2013-11-22

**List of APN Operator Identifiers**

APN Operator Identifier	Description	Example
mnc001.mcc208.gprs		
mnc001.mcc208.3gppnetwork.org	LTE	

**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		
orange.fr	orange	orange	194.51.3.56	194.51.3.76

**APN WAP List**

APN Credential			WAP Gateway	WAP Server URL	WAP Port ver 1	WAP Port ver 2
APN	Username	Password	IP address			
orange	orange	orange	192.168.10.100	http://wap.orange.fr	9201 8080	

**APN MMS List**

APN Credential			WAP Gateway IP address for MMS	Messaging Server URL
APN	Username	Password		
orange.acte	orange	orange	192.168.10.200	http://mms.orange.fr

**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:	default-Roam2G / default-Roam3G
Traffic class:	Interactive
ARP:	3
Evolved ARP:	1
Delivery order:	Yes

**GTP Version**

SGSN	GTPv1
GGSN	GTPv1

**List of Data Service supported**

Data Service	Multislot Class Capability
GPRS	
EDGE	
HSDPA	
HSUPA	
3G PS	

**Multiple PDP Context Support**

Number of Primary PDP Context	11
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**IP - Roaming and IP - Interworking Information**

TADIG code: FRAF1

Section ID: 17 (Conditional)

Effective date of change: 2013-07-01

List of All IP address ranges used by PMN for connection to inter - PMN IP backbone	IP Address Range
	212.234.96.0/24
	80.10.0.0/24
	80.10.1.0/24
	80.10.2.0/24
	80.10.3.0/24

RAI Additional MCC/MNC List	MCC	MNC
	208	02

ULI Additional MCC/MNC List	MCC	MNC
	208	02

List of Autonomous System Number (ASN):	ASN
	64646
	2300

List of PMN authoritative DNS server IP addresses and names	IP address	DNS Name
	212.234.96.11	PMASDNS1.mnc001.mcc208.gprs
	212.234.96.74	LYLADNS1.mnc001.mcc208.gprs
	212.234.96.11	PMASDNS1.mnc001.mcc208.3gppnetwork.org
	212.234.96.74	LYLADNS1.mnc001.mcc208.3gppnetwork.org

List of PMN local caching DNS server IP addresses and names	IP address	DNS Name
	212.234.96.11	PMASDNS1.mnc001.mcc208.gprs
	212.234.96.74	LYLADNS1.mnc001.mcc208.gprs
	212.234.96.11	PMASDNS1.mnc001.mcc208.3gppnetwork.org
	212.234.96.74	LYLADNS1.mnc001.mcc208.3gppnetwork.org

List of GRX Providers	GRX Provider
	France Telecom/IBNF

**MMS Interworking Information**

TADIG code: FRAF1

Section ID: 18 (Optional)

Effective date of change: 2011-04-01

**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.mnc001.mcc208.gprs	192.168.10.200	300	Yes	Yes	194.250.131.201	194.250.131.202 194.250.131.204

List of MMS IW Hub Provider	MMS IW Hub Provider Name	GT address(es)
	France Telecom/IBNF	33689004089

**WLAN Information**

TADIG code: FRAF1

Section ID: 19 (Optional)

Effective date of change: 2011-04-01

List of RADIUS server / RADIUS proxy IP addresses	IP address (Incoming)	IP address (Outgoing)
	80.10.46.225	80.10.46.226

List of IP address range(s) used for WLAN roaming	IP address Range
	80.10.46.0/24

List of WLAN Service Brands	
WLAN Service Brand	
Realm	orange.fr
Brand Name of WLAN Service	Orange WIFI Access

**LTE Roaming Information**

TADIG code: FRAF1

Section ID: 20 (Optional)

Effective date of change: 2013-11-22

**Roaming Interconnection**

IP Addresses Diameter Edge Agent	IP address(es)
	193.249.224.129
	193.249.224.130
	193.249.224.145
	193.249.224.146
	193.249.224.161
	193.249.224.162
	193.249.224.177
	193.249.224.178

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

**S6a hostnames**

epc.mnc001.mcc208.3gppnetwork.org
MME: mme080.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0001-diamproxy.mme080.epc.mnc001.mcc208.3gppnetwork.org
MME: mme080.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0002-diamproxy.mme080.epc.mnc001.mcc208.3gppnetwork.org
MME: mme080.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0003-diamproxy.mme080.epc.mnc001.mcc208.3gppnetwork.org
MME: mme080.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0004-diamproxy.mme080.epc.mnc001.mcc208.3gppnetwork.org
MME: mme080.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0005-diamproxy.mme080.epc.mnc001.mcc208.3gppnetwork.org
MME: mme080.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0006-diamproxy.mme080.epc.mnc001.mcc208.3gppnetwork.org
MME: mme080.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0007-diamproxy.mme080.epc.mnc001.mcc208.3gppnetwork.org
MME: mme080.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0008-diamproxy.mme080.epc.mnc001.mcc208.3gppnetwork.org
MME: mme080.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0009-diamproxy.mme080.epc.mnc001.mcc208.3gppnetwork.org
MME: mme056.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0001-diamproxy.mme056.epc.mnc001.mcc208.3gppnetwork.org
MME: mme056.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0002-diamproxy.mme056.epc.mnc001.mcc208.3gppnetwork.org
MME: mme056.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0003-diamproxy.mme056.epc.mnc001.mcc208.3gppnetwork.org
MME: mme056.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0004-diamproxy.mme056.epc.mnc001.mcc208.3gppnetwork.org
MME: mme056.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0005-diamproxy.mme056.epc.mnc001.mcc208.3gppnetwork.org
MME: mme056.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0006-diamproxy.mme056.epc.mnc001.mcc208.3gppnetwork.org
MME: mme056.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0007-diamproxy.mme056.epc.mnc001.mcc208.3gppnetwork.org
MME: mme056.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0008-diamproxy.mme056.epc.mnc001.mcc208.3gppnetwork.org
MME: mme056.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0009-diamproxy.mme056.epc.mnc001.mcc208.3gppnetwork.org
MME: mme032.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0001-diamproxy.mme032.epc.mnc001.mcc208.3gppnetwork.org
MME: mme032.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0002-diamproxy.mme032.epc.mnc001.mcc208.3gppnetwork.org
MME: mme032.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0003-diamproxy.mme032.epc.mnc001.mcc208.3gppnetwork.org
MME: mme032.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0004-diamproxy.mme032.epc.mnc001.mcc208.3gppnetwork.org
MME: mme032.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0005-diamproxy.mme032.epc.mnc001.mcc208.3gppnetwork.org
MME: mme032.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0006-diamproxy.mme032.epc.mnc001.mcc208.3gppnetwork.org
MME: mme032.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0007-diamproxy.mme032.epc.mnc001.mcc208.3gppnetwork.org
MME: mme032.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0008-diamproxy.mme032.epc.mnc001.mcc208.3gppnetwork.org
MME: mme032.epc.mnc001.mcc208.3gppnetwork.org HOSTNAME: 0009-diamproxy.mme032.epc.mnc001.mcc208.3gppnetwork.org
HSS: hss1.epc.mnc001.mcc208.3gppnetwork.org
HSS: hssfe1.epc.mnc001.mcc208.3gppnetwork.org
HSS: hssfe2.epc.mnc001.mcc208.3gppnetwork.org

**S6a hostnames**

HSS: hssfes3.epc.mnc001.mcc208.3gppnetwork.org

HSS: hssfes4.epc.mnc001.mcc208.3gppnetwork.org

HSS: hssfes21.epc.mnc001.mcc208.3gppnetwork.org

HSS: hssfes22.epc.mnc001.mcc208.3gppnetwork.org

HSS: hssfes23.epc.mnc001.mcc208.3gppnetwork.org

HSS: hssfes24.epc.mnc001.mcc208.3gppnetwork.org

HSS: hssfes25.epc.mnc001.mcc208.3gppnetwork.org

HSS: hssfes26.epc.mnc001.mcc208.3gppnetwork.org

**S9 hostnames PCRF list**

N/A

**S9 used for PCC**

false

**SMS ITW****SMS delivery over IP**

false

**SMS delivery over SGs**

true

**Voice ITW**

CSFB

**Roaming Retry**

Is Roaming Retry supported?

No

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

**List of LTE QOS profiles**

Profile name: default-Roam4G

QCI: 8

ARP: 11

**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****LTE Information**

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

**CONTACT INFORMATION**

TADIG code: FRAF1

Section ID: 21 (Optional, Repeating)

Effective date of change: 2012-10-16

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

<b>Location</b>	Paris		
<b>Office Time Zone in UTC</b>	+01:00		
<b>Office Hours</b>	<b>Week Day (s)</b>	<b>Start Time</b>	<b>End Time</b>
	Mon Tue Wed Thu Fri	08:00:00	18:00:00

**Main Contact for Troubleshooting (Office Hours)**

Team Name	Tel.	Fax	Email
Roaming Fault Management	33157369996		roamingfault.management@orange.com

**Escalation Contact for Troubleshooting**

Person Name	Tel.	Fax	Email
Mr. Porayko Stéphane	33157366658		stephane1.porayko@orange.com

**24 x 7 Troubleshooting (contact out of Office Hours)**

Team Name	Tel.	Fax	Email
No 24/7 support			

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

Person Name	Tel.	Mobile	Fax
Generic Contact	33140297418		33140297438
IBNF SS7 team	33140296622		
JobTitle	Email		
International SS7 support	ss7.roaming@orange.com		

**Roaming Coordinator**

Person Name	Tel.	Mobile	Fax
Orange France Generic contact			
JobTitle	Email		
International Roaming Coordinator	ofdme.roaming@orange.com		

**IREG Tests**

Person Name	Tel.	Mobile	Fax
Ms Caroline Chabrilange	33157366725		
JobTitle	Email		
IREG Manager	caroline.chabrilange@orange.com		
Person Name	Tel.	Mobile	Fax
Mr. Kamel Bennaceur	33157366706		
JobTitle	Email		
IREG Expert	kamel.bennaceur@orange.com		
Person Name	Tel.	Mobile	Fax
Mr. Guillaume Feraud	33157369921		
JobTitle	Email		
IREG expert	guillaume.feraud@orange.com		
Person Name	Tel.	Mobile	Fax
Mr. Abel Nikiema	33157366728		
JobTitle	Email		
IREG expert	abel.nikiema@orange.com		
Person Name	Tel.	Mobile	Fax
Ms. Stéphanie Beck	33157366818		
JobTitle	Email		
IREG expert	stephanie.beck@orange.com		
Person Name	Tel.	Mobile	Fax
Ms. Sabrina Taybi	+33157366579		
JobTitle	Email		
IREG expert	sabrina.taybi@orange.com		

**TADIG Tests**

Person Name	Tel.	Mobile	Fax
Ms. Sandrine Morgado	33687078238		33158965424
JobTitle	Email		
TADIG expert	sandrine.morgado@orange.com		

**IR21 Distribution Email Address**

Email
roamingevolution.management@orange.com
ofdme.roaming@orange.com

**SECTIONS NOT IN USE**

TADIG Code	Section ID	Section Name
FRAF1	6	Domestic SCCP Gateway
FRAF1	9	Test Numbers Information
FRAF1	11	MAP Optimal Routing Section
FRAF1	22	Hosted Networks



## History of changes

TADIG Code	Section ID	Section	Date	Description
FRAF1	16	Packet Data Service Information	2013-11-22	WARNING : Evolved ARP , in the 2G/3G QOS profiles, is not applicable on this case ! Don't take into account the value : Evolved ARP =1
FRAF1	20	LTE Roaming Information	2013-11-22	Add LTE Roaming Information
FRAF1	13	Network Elements Information	2013-11-08	Add new SGW and PGW
FRAF1	16	Packet Data Service Information	2013-11-08	Add 2G/3G Qos Profile
FRAF1	4	Routing Information	2013-08-21	Add new NDC 789
FRAF1	21	Contact Information	2013-07-03	Modify IREG expert
FRAF1	4	Routing Information	2013-06-10	Number portability, NDC update (For info only, check partner's IR21)
FRAF1	13	Network Elements Information	2013-06-10	Add new SGSN 33689007100
FRAF1	16	Packet Data Service Information	2013-06-10	Add LTE APN Operator Identifier
FRAF1	17	IP Roaming/Networking Information	2013-06-10	Additional LTE DNS Server
FRAF1	17	IP Roaming/Networking Information	2013-06-10	Change DNS Server Name
AAZOR	4	Routing Information	2013-06-10	Add new M2M network - Don't implement AAZOR if not asked
AAZOR	5	International SCCP Gateway	2013-06-10	Add International SCCP Gateway
AAZOR	7	SCCP Protocol	2013-06-10	Add SCCP protocol information
AAZOR	10	MAP	2013-06-10	Add MAP informations
AAZOR	12	MAP Inter Operator SMS Enhancement	2013-06-10	Add MAP inter operator SMS Enhancement informations
AAZOR	13	Network Elements Information	2013-06-10	Add new Network Elements Information
AAZOR	21	Contact Information	2013-06-10	Add Contacts
AAZOR	8	Subscriber Identity Authentication	2013-06-03	Add Subscriber Identity Authentication for AAZOR Network
FRAF1	21	Contact Information	2012-11-23	Modify IREG Manager
FRAF1	4	Routing Information	2012-11-15	Remove MSISDN range 33 6444 to 33 6446 which belongs to Transatel
FRAF1	13	Network Elements Information	2012-10-16	Add new SGSN range 3368900710X
FRAF1	4	Routing Information	2012-09-19	Add new MSISDN range 33785, 3377155 to 3377159
FRAF1	13	Network Elements Information	2012-09-19	Update minor information
FRAF1	17	IP Roaming/Networking Information	2012-09-19	Additional ULI MCC/MNC used for national roaming called White Zone
FRAF1	21	Contact Information	2012-09-19	Add new IREG contact
FRAF1	21	Contact Information	2012-09-19	Remove 24/7 troubleshooting contact
FRAF1	4	Routing Information	2012-04-11	Remove Short Code Translation 898
FRAF1	4	Routing Information	2012-04-11	Add new MSISDN range 336444 to 336446
FRAF1	13	Network Elements Information	2012-03-20	Add new MMSC 33689003448
FRAF1	13	Network Elements Information	2012-03-20	Add new MMSC range 3368900351X and 3368900352X
FRAF1	16	Packet Data Service Information	2012-02-01	In our GGSN GTPv0 is supported only if the PDP is initiated in GTPv0 (Create PDP Context). We do not support Update PDP Context performed in GTPv0 if the PDP was previously initiated in GTPv1.
FRAF1	21	Contact Information	2012-02-01	New Operation Manager, Troubleshooting & IREG contact number
FRAF1	13	Network Elements Information	2012-01-31	GGSN SW version Update
FRAF1	13	Network Elements Information	2012-01-31	Add new MMSC range 33689003446 to 33689003447
FRAF1	4	Routing Information	2011-11-07	Add new MSISDN range 337702
FRAF1	4	Routing Information	2011-11-07	Add new MSISDN range 3375061 to 3375069
FRAF1	4	Routing Information	2011-10-05	Number portability, NDC update
FRAF1	4	Routing Information	2011-10-05	Add SN Range Start and SN Range Stop for all NDC ranges
FRAF1	4	Routing Information	2011-10-05	Add Additional Information about SMS-IW with Monacell (Monaco)

TADIG Code	Section ID	Section	Date	Description
FRAF1	5	International SCCP Gateway	2011-10-05	Fixed DPC not present in SCCP Carrier List
FRAF1	13	Network Elements Information	2011-10-05	Add new SMSC range 3368900672 to 3368900675 (Voice Mail SMS Notification)
FRAF1	13	Network Elements Information	2011-10-05	Add new SGSN range 3368900339X
FRAF1	13	Network Elements Information	2011-10-05	BSS and UTRAN network elements are no longer provided
FRAF1	13	Network Elements Information	2011-10-05	SGSN SW version Update
FRAF1	15	CAMEL Information	2011-10-05	CAMEL Functionality Information are no longer provided
FRAF1	17	IP Roaming/Networking Information	2011-10-05	Additional RAI MCC/MNC used for national roaming called White Zone
FRAF1	21	Contact Information	2011-10-05	New mail domain @orange.com instead of @orange-ftgroup.com
FRAF1	21	Contact Information	2011-10-05	New Operation Manager, Ireg Manager, Ireg expert
FRAF1	4	Routing Information	2011-05-11	Add new MSISDN range 3364956 to 33664959, 3364992 to 33664993, 337701
FRAF1	4	Routing Information	2011-04-02	Add new MSISDN ranges 33 7872 to 33 7879, 33 7880 to 33 7885
FRAF1	21	Contact Information	2011-04-01	Update of Troubleshooting contact with RAEX
FRAF1	10	MAP	2011-03-08	MAP version Update and comments for UMTS and GPRS
FRAF1	4	Routing Information	2010-12-21	Add new MSISDN ranges 33 649 51 to 33 649 55, 33 6498, 33 7700

**NETWORK**

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

TADIG code:	AAZOR
Network type:	Terrestrial
Presentation of country initials and MNN:	Orange M2M
Abbreviated MNN:	ORM2M

**NETWORK INFORMATION**

TADIG code: AAZOR  
Section ID: 3 (Mandatory)

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

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**ROUTING INFORMATION**

TADIG code: AAZOR

Section ID: 4 (Mandatory)

Effective date of change: 2013-07-01

CCITT E.164 Number series	Country Code (CC)	National Destination Code (NDC)	SN Range Start	SN Range Stop	Primary International DPC	Secondary International DPC
<b>MSISDN number ranges (s)</b>						
	883	130	100000000	999999999		
<b>Network Nodes Global Title Number Range(s)</b>						
	883	130	000000000	099999999		

E. 212 Number series	Mobile Country Code (MCC)	Mobile Network Code (MNC)
	901	31

E. 214 Mobile Global Title (MGT)	Country Code of MGT (CC)	Network Code of MGT (NC)
	883	130

Does Number Portability apply ?	No
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USIM SIM Header	8988301
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Additional Information
The MSISDN size is always 15 digits.
The MSISDNs ranges are coded as follow : 883 130 XXXXXXXXX where X = 0 to 9

**INTERNATIONAL SCCP GATEWAY**

TADIG code: AAZOR

Section ID: 5 (Optional)

Effective date of change: 2013-07-01

International SCCP carrier list	
<b>SCCP carrier name:</b>	FT/IBNF
<b>Connectivity information:</b>	Primary
<b>MNO TADIG code list:</b>	
<b>DPC info:</b>	
Signature:	Paris TK1
Type:	SCCP/STP
International DPC:	2.202.3
Comments:	
<b>DPC info:</b>	
Signature:	Reims TK2
Type:	SCCP/STP
International DPC:	2.202.4
Comments:	
<b>SCCP carrier name:</b>	FT/IBNF for ANSI conversion
<b>Connectivity information:</b>	Primary
<b>MNO TADIG code list:</b>	
<b>DPC info:</b>	
Signature:	Paris TK1
Type:	SCCP/STP
International DPC:	6.254.15
Comments:	
<b>DPC info:</b>	
Signature:	Reims TK2
Type:	SCCP/STP
International DPC:	6.254.16
Comments:	

**SCCP Protocol available at PMN for connection for International SS7 Roaming**

TADIG code: AAZOR

Section ID: 7 (Optional)

Effective date of change: 2013-07-01

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

**SUBSCRIBER IDENTITY AUTHENTICATION**

TADIG code: AAZOR

Section ID: 8 (Optional)

Effective date of change: 2013-07-01

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	A5/3



**MOBILE APPLICATION PART (MAP)**

TADIG code: AAZOR

Section ID: 10 (Optional)

Effective date of change: 2013-07-01

<b>Interworking specifically for roaming</b>				
<b>Application context name</b>	<b>Current version in</b>			<b>Comments</b>
	<b>Inbound roaming</b>		<b>Outbound roaming</b>	
	<b>MSC/VLR</b>	<b>SGSN</b>	<b>Outbound roaming</b>	
networkLocUp	MAPv2	N/A	MAPv2	V3 for CAMEL UMTS
roamingNumberEnquiry	MAPv3	N/A	MAPv1	HLR at V3 for CAMEL and 3G
InfoRetrieval	MAPv2	MAPv3	MAPv3	V3 for UMTS
subscribeDataMngt	MAPv3	MAPv3	MAPv3	HLR : ACv2 for GSM only. ACv3 for CAMEL, GPRS and UMTS
networkFunctionalSs	MAPv2	N/A	MAPv1	
mwdMngt	-	-	-	
shortMsgMT-Relay (called shortMsgRelay in v1)	MAPv3	-	MAPv2	
shortMsgMO-Relay (called shortMsgRelay in v1)	MAPv1	-	MAPv1	
ss-InvocationNotification	MAPv3	N/A	-	
subscriberInfoEnquiry	MAPv3	-	MAPv3	
gprsLocationUpdate	N/A	MAPv3	MAPv3	
locationCancellation	MAPv3	MAPv3	MAPv1	HLR : ACv3 for GPRS ( and UMTS)
msPurging	MAPv2	-	MAPv3	
reset	MAPv3	-	MAPv1	
networksUnstructuredSs	MAPv2	N/A	MAPv2	
reporting	MAPv3	N/A	MAPv3	
callCompletion	MAPv3	N/A	-	
istAlerting	-	N/A	-	
service Termination	-	N/A	-	
locationSvcGateway	N/A	N/A	-	
mm-EventReporting	-	N/A	-	
authenticationFailureReport	-	-	MAPv3	V3 for UMTS
imsiRetrieval	-	N/A	MAPv2	
gprsNotifyContext	N/A	-	-	
gprsLocationInfoRetrieval	N/A	-	-	
failureReport	N/A	-	-	
secureTransportHandling	-	-	-	

**MAP Inter Operator SMS Enhancement**

TADIG code: AAZOR

Section ID: 12 (Optional)

Effective date of change: 2013-07-01

<b>Inter - Operator SMS Enhancement</b>				
<b>Application context name</b>	<b>Current version in</b>			<b>Comments</b>
	<b>SMS - IWMSC</b>	<b>SMS - GMSC</b>	<b>HLR</b>	
shortMsgGateway	N/A	MAPv1	MAPv2	
shortMsgAlert	MAPv2	N/A	MAPv2	

**NETWORK ELEMENTS INFORMATION**

TADIG code: AAZOR

Section ID: 13 (Optional)

Effective date of change: 2013-07-01

<b>Node type</b>	<b>Node ID</b>	<b>GT address / Address range</b>	<b>IP address / Address range</b>	<b>Vendor info</b>	<b>SW / HW version</b>	<b>Dual access</b>	<b>Location</b>	<b>UTC offset</b>	<b>DST start</b>	<b>DST end</b>
HLR		883 130000010000		Alcatel-Lucent	R3.1			+00:00		
SMSC		883 130000020000			HPS			+00:00		

**CONTACT INFORMATION**

TADIG code: AAZOR

Section ID: 21 (Optional, Repeating)

Effective date of change: 2013-07-01

List of Roaming Troubleshooting Contact Information				
Roaming Troubleshooting Contact Information				
Location		Paris		
Office Time Zone in UTC		+01:00		
Office Hours	Week Day (s)	Start Time	End Time	
	Mon Tue Wed Thu Fri	08:00:00	18:00:00	
Main Contact for Troubleshooting (Office Hours)				
Team Name	Tel.	Fax	Email	
Roaming Fault Management	33157369996		roamingfault.management@orange.com	
Escalation Contact for Troubleshooting				
Person Name	Tel.	Fax	Email	
Mr. Porayko Stéphane	33157366658		stephane1.porayko@orange.com	
24 x 7 Troubleshooting (contact out of Office Hours)				
Team Name	Tel.	Fax	Email	
No 24/7 support				
Additional Contacts				
SCCP Inquires and ordering of SS7 Routes				
	Person Name	Tel.	Mobile	Fax
	Generic Contact	33140297418		33140297438
	IBNF SS7 team	33140296622		
	JobTitle	Email		
	International SS7 support	ss7.roaming@orange.com		
Roaming Coordinator				
	Person Name	Tel.	Mobile	Fax
	Orange France			
	Generic contact			
	JobTitle	Email		
	International Roaming Coordinator	ofdme.roaming@orange.com		
IREG Tests				
	Person Name	Tel.	Mobile	Fax
	Ms Caroline Chabrilange	33157366725		
	JobTitle	Email		
	IREG Manager	caroline.chabrilange@orange.com		
	Person Name	Tel.	Mobile	Fax
	Mr. Guillaume Feraud	33157369921		
	JobTitle	Email		
	IREG expert	guillaume.feraud@orange.com		
	Person Name	Tel.	Mobile	Fax
	Mr. Kamel Bennaceur	33157366706		
	JobTitle	Email		
	IREG Expert	kamel.bennaceur@orange.com		
	Person Name	Tel.	Mobile	Fax
	Ms. Sabrina Taybi	+33157366579		
	JobTitle	Email		
	IREG expert	sabrina.taybi@orange.com		
	Person Name	Tel.	Mobile	Fax
	Ms. Stéphanie Beck	33157366818		
	JobTitle	Email		
	IREG expert	stephanie.beck@orange.com		
	Person Name	Tel.	Mobile	Fax
	Mr. Abel Nikiema	33157366728		
	JobTitle	Email		
	IREG expert	abel.nikiema@orange.com		
TADIG Tests				
	Person Name	Tel.	Mobile	Fax
	Ms. Sandrine Morgado	33687078238		33158965424
	JobTitle	Email		
	TADIG expert	sandrine.morgado@orange.com		
IR21 Distribution Email Address		Email		
		roamingevolution.management@orange.com		
		ofdme.roaming@orange.com		

**SECTIONS NOT IN USE**

<b>TADIG Code</b>	<b>Section ID</b>	<b>Section Name</b>
AAZOR	6	Domestic SCCP Gateway
AAZOR	9	Test Numbers Information
AAZOR	11	MAP Optimal Routing Section
AAZOR	14	USSD Information
AAZOR	15	CAMEL Information
AAZOR	16	Packet Data Services Information
AAZOR	17	IP-Roaming and IP-Interworking Information
AAZOR	18	MMS Interworking Information
AAZOR	19	WLAN Information
AAZOR	20	Roaming in Long Term Evolution
AAZOR	22	Hosted Networks