GSMA Roaming Database
IR.21 Data

RAEX IR.21 Information

Creation date:	2019-04-02
Creation time:	11:09:26+02:00
File type:	IR.21
Sender TADIG:	FRAF1
Publish Comment:	Update MSISDN and Contact
TADIG-GEN schema version:	2.4
RAEX-IR.21 schema version:	12.1

ORGANISATION INFORMATION

Section ID: 1 (Mandatory)

Organisation name:	Orange
Country initials:	FRA

History of changes

TADIG Code	Section ID	Section	Date	Description
FRAF1	4	Routing Information	2019-03-26	Add new MSISDN range: 3375706 (related to NORDNET)
FRAF1	21	Contact Information	2019-03-18	Update Contacts
AAZOR	21	Contact Information	2019-03-18	Update Contacts
FRAF1	4	Routing Information	2018-12-17	Add Additional Information about GT with Monaco Telecom
FRAF1	4	Routing Information	2018-09-12	Add new MSISDN range: 33774 (related to SYMA Mobile)
FRAF1	4	Routing Information	2018-08-06	Add new MSISDN range : 3375435-3375439 (related to PRIXTEL)
FRAF1	4	Routing Information	2018-08-06	Add new MSISDN: 3360255; 3360257-3360259; 3375004; 3375006; 3375432; 3375567-3375568 (related to EIT)
FRAF1	13	Network Elements Information	2018-08-06	Remove old SGSN-2G+3G: 33689003333; 33689003337; 33689003350; 33689003354; 33689003356; 33689007101/8
AAZOR	17	IP Roaming/Networking Information	2018-07-17	Add new IP address for AAZOR: 80.10.111.16/28 80.10.111.32/28 80.10.111.48/32 80.10.111.49/32
FRAF1	13	Network Elements Information	2018-06-15	Update SMSC and Add new IP-SMGW GT: 33689004041, 33689004042, 33689004043 and 33689004044
FRAF1	4	Routing Information	2018-05-23	Add new MSISDN range : 3375059 (related to SEWAN)
FRAF1	13	Network Elements Information	2018-04-19	Add new SGW
FRAF1	4	Routing Information	2018-04-18	Add new MSISDN range 3375072
FRAF1	13	Network Elements Information	2018-04-18	Add new SGSN 33689003354
FRAF1	4	Routing Information	2018-04-16	Correction in Additional information
FRAF1	4	Routing Information	2018-03-08	Remove MSISDN ranges : 3377156 and 3377157 (related to NRJ Mobile)
FRAF1	4	Routing Information	2018-03-08	Correct the Voice Mail number
FRAF1	4	Routing Information	2018-03-08	Modify the Customer Care number
FRAF1	4	Routing Information	2018-03-08	Add new MSISDN range : 33773 (related to SYMA MOBILE)
FRAF1	4	Routing Information	2018-03-08	Add new MSISDN range : 3375558 and 3375559 (related to SEWAN)
FRAF1	4	Routing Information	2018-03-05	Remove MSISDN range : 3377158 and 3377159 (related to NRJ Mobile)
FRAF1	13	Network Elements Information	2018-01-05	Add new MMSC GT: 33689005226, 33689005227 and 33 689005147
FRAF1	13	Network Elements Information	2018-01-04	Remove old MMSC GT: 33689005140/9
FRAF1	4	Routing Information	2018-01-02	Remove MSISDN range: 337574 (related to Coriolis)
FRAF1	4	Routing Information	2017-10-23	Modify the Voice Mail number
FRAF1	4	Routing Information	2017-09-20	Add new MSISDN range 33772
FRAF1	13	Network Elements Information	2017-09-18	Add new SGSN
FRAF1	4	Routing Information	2017-08-07	Add new MSISDN range 3375565
FRAF1	13	Network Elements Information	2017-08-07	Add new SGSN GT 33689003344 and GT 33689003345
AAZOR	4	Routing Information	2017-07-13	15 MSISDN digits supported
AAZOR	16	Packet Data Service Information	2017-07-13	IPV6 supported
AAZOR	20	LTE Roaming Information	2017-07-13	IPV6 supported
FRAF1	4	Routing Information	2017-06-29	Add new MSISDN range 337849
FRAF1	4	Routing Information	2017-06-27	Update MSISDN size
FRAF1	4	Routing Information	2017-06-15	Add new MSISDN range 3375740-3375749
FRAF1	13	Network Elements Information	2017-05-18	Add new SGSN GT 33689003336
FRAF1	13	Network Elements Information	2017-05-03	Add new SGSN GT 33689003343
FRAF1	4	Routing Information	2017-03-31	Add new MSISDN range 3375057-3375058
FRAF1	21	Contact Information	2017-03-29	Update Contacts
FRAF1	13	Network Elements Information	2017-03-27	Add new SGSN GT 33689003332
FRAF1	13	Network Elements Information	2017-02-02	Add new SGSN GT 33689003342

TADIG Code	Section ID	Section	Date	Description
FRAF1	20	LTE Roaming Information	2016-11-02	Add new SMSC GT 33689004033 & 33689004034 - Add new SGSN GT 33689003331 - Add new SGSN GT 33689003399
FRAF1	13	Network Elements Information	2016-10-24	Add new SMSC GT 33689004033 and 33689004034
FRAF1	13	Network Elements Information	2016-10-24	Add new SGSN GT 33689003331 and GT 33689003399
FRAF1	13	Network Elements Information	2016-07-26	Add new SGSN
FRAF1	4	Routing Information	2016-07-25	Add new MSISDN range 3375560 to 3375564
FRAF1	13	Network Elements Information	2016-04-26	Add new SMSC
AAZOR	13	Network Elements Information	2015-12-10	Correct SMSC Range for AAZOR
FRAF1	4	Routing Information	2015-11-30	Long Number for Voice Mail retrieval (888) will be change to 33654185468 (the older one 33654185488 will be desactivated on 31/12/2015)
AAZOR	21	Contact Information	2015-11-25	Update Contacts
FRAF1	16	Packet Data Service Information	2015-11-06	Update ARP & THP for 2G/3G QoS
FRAF1	20	LTE Roaming Information	2015-11-02	update QCI and ARP
AAZOR	17	IP Roaming/Networking Information	2015-11-02	no change
FRAF1	4	Routing Information	2015-10-05	Add new MSISDN range 3375707, 3375717, 3375700, 33700000
FRAF1	21	Contact Information	2015-10-05	Update contacts
AAZOR	21	Contact Information	2015-10-05	Update Contacts
FRAF1	21	Contact Information	2015-08-12	Update Contacts
AAZOR	21	Contact Information	2015-08-12	Update Contacts
AAZOR	13	Network Elements Information	2015-08-10	Replace GGSN by PGW Node
AAZOR	17	IP Roaming/Networking Information	2015-08-10	Hide The Following IP-PLMN Address Range for AAZOR Network :212.234.96.80/29 212.234.96.88/29 as it belongs only to FRAF1
FRAF1	20	LTE Roaming Information	2015-08-04	Update LTE Information for FRAF1 Network
AAZOR	13	Network Elements Information	2015-08-04	Update SMSC GT address
AAZOR	13	Network Elements Information	2015-08-04	Add new HSS Node
AAZOR	16	Packet Data Service Information	2015-08-04	Modify Packet Data Service Information
AAZOR	20	LTE Roaming Information	2015-08-04	Create LTE Information for AAZOR Network
FRAF1	16	Packet Data Service Information	2015-06-01	Update IPv6 Connectivity Information
FRAF1	20	LTE Roaming Information	2015-06-01	Update IPv6 Connectivity Information
AAZOR	17	IP Roaming/Networking Information	2015-06-01	Add IP range for AAZOR Network 80.10.111.0/29 80.10.111.8/29
FRAF1	4	Routing Information	2015-05-12	Add New MSISDN range 3375550 to 3375554 Only for SMS-IW Hosting
FRAF1	20	LTE Roaming Information	2015-05-12	Update Diameter Infos
AAZOR	17	IP Roaming/Networking Information	2015-03-26	Hide IP address 212.234.96.0/24 from AAZOR as it belongs only to FRAF1
AAZOR	17	IP Roaming/Networking Information	2015-03-16	Please Ignore the Last request of Deleting the IP-PLMN Address Range: 80.10.0.0/24 80.10.1.0/24 80.10.2.0/24 80.10.3.0/24.Please Keep these Address implemented For FRAF1 20801
AAZOR	17	IP Roaming/Networking Information	2015-03-09	Delete The Following IP-PLMN Address Range: 80.10.0.0/24 80.10.1.0/24 80.10.2.0/24 80.10.3.0/24
FRAF1	13	Network Elements Information	2015-02-23	Update SGSN 2G/G3 Ericsson SGSN MME ,SGW ,PGW new SW/HW version
FRAF1	20	LTE Roaming Information	2015-02-23	Hide MME Hostnames
FRAF1	21	Contact Information	2015-02-18	Modify Contacts
AAZOR	21	Contact Information	2015-02-18	Modify Contacts
FRAF1	13	Network Elements Information	2014-12-01	Additional HLRs (33689005xxx)
FRAF1	4	Routing Information	2014-11-24	Correction in Additional information
FRAF1	13	Network Elements Information	2014-11-24	Additional HLR, SMSC and SCP nodes (33689008xxx)
FRAF1	20	LTE Roaming Information	2014-11-24	Add new MME hostnames

TADIG Code	Section ID	Section	Date	Description
FRAF1	20	LTE Roaming Information	2014-11-24	Scenarios updated
FRAF1	13	Network Elements Information	2014-10-20	Add new SGW and PGW
FRAF1	20	LTE Roaming Information	2014-10-20	Add New MME Hostnames and delete QCI values 6,7 and 9 from LTE information
FRAF1	4	Routing Information	2014-07-15	Add new NDC
FRAF1	13	Network Elements Information	2014-07-15	Add new SMSC
FRAF1	13	Network Elements Information	2014-07-01	Add new SGSN 33689007106, 33689007107, 33689007108
AAZOR	4	Routing Information	2014-06-17	Modify MSISDN
FRAF1	4	Routing Information	2014-06-16	Modify the Voice Mail number
FRAF1	13	Network Elements Information	2014-06-16	Add new PGW and GGSN
FRAF1	16	Packet Data Service Information	2014-06-16	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	21	Contact Information	2014-06-16	Modify Contacts
AAZOR	4	Routing Information	2014-06-16	Modify MSISDN
AAZOR	10	MAP	2014-06-16	Modify MAP Informations
AAZOR	13	Network Elements Information	2014-06-16	Modify Network elements
AAZOR	16	Packet Data Service Information	2014-06-16	Modify Packet Data Service Information
AAZOR	17	IP Roaming/Networking Information	2014-06-16	Add IP range
AAZOR	21	Contact Information	2014-06-16	Modify Contacts
AAZOR	17	IP Roaming/Networking Information	2014-01-14	Update IP roaming and IP-interworking information for AAZOR - DON'T IMPLEMENT AAZOR IF NOT ASKED
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 Pofile
FRAF1	4	Routing Information	2013-08-21	Add new MSISDN range 33789
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	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

TADIG Code	Section ID	Section	Date	Description
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 and 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)
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 name:	Orange FRANCE
Network type:	Terrestrial
Technology:	**Frequency list:**
2G-GSM frequencies:	GSM 900, DCS 1800
3G-UTRA/FDD frequencies:	1 - IMT 2.1 GHz, 8 - 900 MHz
3G-UTRA/TDD frequencies:	Unsupported
4G-E-UTRAN frequencies:	1 - IMT 2.1 GHz, 3 - DCS 1800, 7 - 2.6 GHz, 28 - 700 MHz APAC, 20 - 800 MHz EDD
4G-E-UTRAN-MIoT-LTE-M frequencies:	20 - 800 MHz EDD
4G-E-UTRAN-MIoT-NB-IOT frequencies:	Unsupported
Presentation of country initials and MNN:	Orange FR
Abbreviated MNN:	Orange

NETWORK INFORMATION

TADIG code: FRAF1
Section ID: 3 (Mandatory)

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

ROUTING INFORMATION

TADIG code: FRAF1
Section ID: 4 (Mandatory)
Effective date of change: 2019-04-15

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
MSISDN number ranges (s)							
	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*	*MVNO Number*
MSISDN number ranges (s)							
	33	688	000000	999999			
	33	689	000000	999999			
	33	700	0000000000	0009999999			
	33	750	570000	599999			
	33	750	610000	699999			
	33	750	720000	729999			
	33	755	580000	659999			
	33	757	000000	009999			
	33	757	060000	079999			
	33	757	1700000	1799999			
	33	770	000000	299999			
	33	770	500000	999999			
	33	771	550000	559999			
	33	772	000000	999999			
	33	773	000000	999999			
	33	784	000000	599999			
	33	784	900000	999999			
	33	785	000000	999999			
	33	786	000000	999999			
	33	787	000000	999999			
	33	788	000000	999999			
	33	789	000000	999999			
	33	754	350000	399999			
	33	602	550000	559999			
	33	750	040000	049999			
	33	750	060000	069999			
	33	754	320000	329999			
	33	755	670000	689999			
	33	602	570000	599999			
	33	774	000000	999999			
Network Nodes Global Title Number Range(s)							
	33	689	000000	009999			
MSRN Number Range(s)							
	33	654	000000	999999			

E. 212 Number series	Mobile Country Code (MCC)	Mobile Network Code (MNC)
	208	01

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

Does Number Portability apply ?	Yes

Is 15 Digit MSISDN Supported ?	Yes

USIM SIM Header	893301

E. 164 Number Ranges due to Number Portability	**CC**	**NDC**	**SN Range Start**	**SN Range Stop**
	33	6	00000000	99999999
	33	7	00000000	99999999

Additional Information
The MSISDNs ranges are coded as follow : 33 ZABPQMCDU where Z = 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
Orange France host SMS-InterWorking for MVNO subscribers :
SMS-MO from your network to subscribers +33755500000 to +33755549999 and +33757900000 to +33757999999 need to be routed to Orange France
Implements +33755500000 to +33755549999 and +33757900000 to +3375799999 in your SMSC and route SMS towards our SS7 international SCCP
Short Number Translation Information List: 3900 to 33969393900; 706 to 33675052000; 888 to 33654185468
Please note that the MSC GT (33689001040 and 33689001048) and the SGSN GT (33689001049 and 33689001050) belong to GT of Monaco Telecom operator

History of changes

Date	Description
2019-03-26	Add new MSISDN range: 3375706 (related to NORDNET)
2018-12-17	Add Additional Information about GT with Monaco Telecom
2018-09-12	Add new MSISDN range: 33774 (related to SYMA Mobile)
2018-08-06	Add new MSISDN range : 3375435-3375439 (related to PRIXTEL)
2018-08-06	Add new MSISDN: 3360255; 3360257-3360259; 3375004; 3375006; 3375432; 3375567-3375568 (related to EIT)
2018-05-23	Add new MSISDN range : 3375059 (related to SEWAN)
2018-04-18	Add new MSISDN range 3375072
2018-04-16	Correction in Additional information
2018-03-08	Remove MSISDN ranges : 3377156 and 3377157 (related to NRJ Mobile)
2018-03-08	Correct the Voice Mail number
2018-03-08	Modify the Customer Care number
2018-03-08	Add new MSISDN range : 33773 (related to SYMA MOBILE)
2018-03-08	Add new MSISDN range : 3375558 and 3375559 (related to SEWAN)
2018-03-05	Remove MSISDN range : 3377158 and 3377159 (related to NRJ Mobile)
2018-01-02	Remove MSISDN range: 337574 (related to Coriolis)
2017-10-23	Modify the Voice Mail number
2017-09-20	Add new MSISDN range 33772
2017-08-07	Add new MSISDN range 3375565
2017-06-29	Add new MSISDN range 337849
2017-06-27	Update MSISDN size
2017-06-15	Add new MSISDN range 3375740-3375749
2017-03-31	Add new MSISDN range 3375057-3375058
2016-07-25	Add new MSISDN range 3375560 to 3375564
2015-11-30	Long Number for Voice Mail retrieval (888) will be change to 33654185468 (the older one 33654185488 will be desactivated on 31/12/2015)
2015-10-05	Add new MSISDN range 3375707, 3375717, 3375700, 33700000
2015-05-12	Add New MSISDN range 3375550 to 3375554 Only for SMS-IW Hosting
2014-11-24	Correction in Additional information
2014-07-15	Add new NDC
2014-06-16	Modify the Voice Mail number

Date	Description
2013-08-21	Add new MSISDN range 33789
2013-06-10	Number portability, NDC update (For info only, check partner's IR21)
2012-11-15	Remove MSISDN range 33 6444 to 33 6446 which belongs to Transatel
2012-09-19	Add new MSISDN range 33785, 3377155 to 3377159
2012-04-11	Remove Short Code Translation 898
2012-04-11	Add new MSISDN range 336444 to 336446
2011-11-07	Add new MSISDN range 337702
2011-11-07	Add new MSISDN range 3375061 to 3375069
2011-10-05	Number portability and NDC update
2011-10-05	Add SN Range Start and SN Range Stop for all NDC ranges
2011-10-05	Add Additional Information about SMS-IW with Monacell (Monaco)
2011-05-11	Add new MSISDN range 3364956 to 33664959, 3364992 to 33664993, 337701
2011-04-02	Add new MSISDN ranges 33 7872 to 33 7879, 33 7880 to 33 7885
2010-12-21	Add new MSISDN ranges 33 649 51 to 33 649 55, 33 6498, 33 7700

INTERNATIONAL SCCP GATEWAY

TADIG code: FRAF1
Section ID: 5 (Optional)
Effective date of change: 2011-04-01

International SCCP carrier list	
SCCP carrier name:	FT/IBNF
Connectivity information:	Primary
MNO TADIG code list:	

DPC info:	
Signature:	Paris TK1
Type:	SCCP/STP
International DPC:	2.202.3
Comments:	

DPC info:	
Signature:	Reims TK2
Type:	SCCP/STP
International DPC:	2.202.4
Comments:	

SCCP carrier name:	FT/IBNF for ANSI conversion
Connectivity information:	Primary
MNO TADIG code list:	

DPC info:	
Signature:	Paris TK1
Type:	SCCP/STP
International DPC:	6.254.15
Comments:	

DPC info:	
Signature:	Reims TK2
Type:	SCCP/STP
International DPC:	6.254.16
Comments:	

History of changes

Date	Description
2011-10-05	Fixed DPC not present in SCCP Carrier List

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

History of changes

SCCP Protocol available at PMN for connection for International SS7 Roaming

SUBSCRIBER IDENTITY AUTHENTICATION

TADIG code: FRAF1
Section ID: 8 (Optional)
Effective date of change: 2011-04-01

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

History of changes

MOBILE APPLICATION PART (MAP)

TADIG code: FRAF1
Section ID: 10 (Optional)
Effective date of change: 2012-10-16

Interworking specifically for roaming				
Application context name	**Current version in**			**Comments**
	Inbound roaming		**Outbound roaming**	
	MSC/VLR	**SGSN**	**Outbound roaming**	
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	-	
authenticationFaillureReport	-	-	MAPv3	V3 for UMTS
imsiRetrieval	-	N/A	MAPv2	
gprsNotifyContext	N/A	-	-	
gprsLocationInfoRetrieval	N/A	-	-	
faillureReport	N/A	-	-	
secureTransportHandling	-	-	-	

History of changes

Date	Description
2011-03-08	MAP version Update and comments for UMTS and GPRS

MAP Inter Operator SMS Enhancement

TADIG code: FRAF1
Section ID: 12 (Optional)
Effective date of change: 2011-04-01

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

History of changes

NETWORK ELEMENTS INFORMATION

TADIG code: FRAF1
Section ID: 13 (Optional)
Effective date of change: 2018-08-15

Node type	Node ID	GT address / Address range	IP address / Address range	IPv6 address / Address range	Vendor info	SW / HW version	UTC offset
GGSN			80.10.3.32/27		Ericsson	2011A	+01:00
GGSN			80.10.2.96/27		Ericsson	2011A	+01:00
GGSN			80.10.3.192/26		Ericsson	2011A	+01:00
GGSN			80.10.2.64/27		Ericsson	2011A	+01:00
GGSN			80.10.2.160/27		Ericsson	2011A	+01:00
HLR		33 689002 000 / 999			Alcatel-Lucent	R3.2	+01:00
HLR		33 689005 000 / 999					+01:00
HLR		33 689008 000 / 999					+01:00
MMSC		33 6890034 46 / 48			NSN	R5.0	+01:00
MMSC		33 6890035 10 / 29			NSN	R5.0	+01:00
MMSC		33 6890052 26 / 27			Mavenir	V3.3	+01:00
MMSC		33 689004089			FT/I-BNF		+01:00
MMSC		33 689005147			Mavenir	V3.3	+01:00
MSC/VLR-2G+3G		33 68900 0000 / 1999			Ericsson	MSS 4.1	+01:00
PGW			80.10.2.36		CISCO	R15	+01:00
PGW			80.10.3.2		CISCO	R15	+01:00
PGW			80.10.2.42		CISCO	R15	+01:00
PGW			80.10.2.34		CISCO		+01:00
PGW			80.10.2.38		CISCO		+01:00
PGW			80.10.2.40		CISCO		+01:00
PGW			80.10.2.130		CISCO		+01:00
PGW			80.10.2.132		CISCO		+01:00
PGW			80.10.3.80		CISCO		+01:00
PGW			80.10.2.136		CISCO		+01:00
PGW			80.10.2.138		CISCO		+01:00
SCP		33 689003 000 / 999			Alcatel-Lucent	R2.4	+01:00
SCP		33 689006 000 / 999			Alcatel-Lucent	R2.4	+01:00
SCP		33 689008 000 / 999					+01:00
SGSN-2G+3G		33 689003330	0.0.0.0		Ericsson	2012B	+01:00
SGSN-2G+3G		33 6890033 90 / 99	0.0.0.0		Ericsson	2012B	+01:00
SGSN-2G+3G		33 689007100	0.0.0.0		CISCO		+01:00
SGSN-2G+3G		33 689003331	0.0.0.0		Ericsson	16A/MKX	+01:00
SGSN-2G+3G		33 689003332	0.0.0.0		Ericsson	16A/ MKX	+01:00
SGSN-2G+3G		33 689003336	0.0.0.0		Ericsson	1.7/MKX	+01:00
SGSN-2G+3G		33 689003342	0.0.0.0		Ericsson	16A/MKX	+01:00
SGSN-2G+3G		33 689003343	0.0.0.0		Ericsson	1.7/MKX	+01:00
SGSN-2G+3G		33 689003344	0.0.0.0		Ericsson	1.9/MKX	+01:00
SGSN-2G+3G		33 689003345	0.0.0.0		Ericsson	1.9/MKX	+01:00
SGSN-2G+3G		33 689003346	0.0.0.0		Ericsson	1.9/MKX	+01:00
SGSN-2G+3G		33 689003359	0.0.0.0		Ericsson	16A / MkX	+01:00
SGSN-2G+3G		33 689003399	0.0.0.0		Ericsson	16A/MKX	+01:00
SGW		33 6	80.10.2.35		CISCO	R15	+01:00
SGW		33 6	80.10.3.1		CISCO	R15	+01:00
SGW		33 6	80.10.2.41		CISCO	R15	+01:00
SGW		33 6	80.10.2.33		CISCO		+01:00
SGW		33 6	80.10.2.37		CISCO		+01:00
SGW		33 6	80.10.2.39		CISCO		+01:00
SGW		33 6	80.10.2.129		CISCO		+01:00
SGW		33 6	80.10.2.45		CISCO		+01:00
SGW		33 6	80.10.2.131		CISCO		+01:00
SGW		33 6	80.10.3.79		CISCO		+01:00
SGW		33 6	80.10.2.135		CISCO		+01:00
SGW		33 6	80.10.2.137		CISCO		+01:00
SGW		33 6	80.10.3.203		CISCO		+01:00
SGW		33 6	80.10.3.204		CISCO		+01:00
SGW		33 6	80.10.3.205		CISCO		+01:00
SMSC		33 689005 100 / 299			Voice Mail SMS		+01:00
SMSC		33 689008 000 / 999					+01:00
SMSC		33 6890040 00 / 29			Xura	v5.4	+01:00
SMSC		33 6890067 20 / 59			Voice Mail SMS		+01:00
SMSC	STP	33 68900409 0 / 9			Tekelec	Eagle XG	+01:00

Node type	Node ID	GT address / Address range	IP address / Address range	IPv6 address / Address range	Vendor info	SW / HW version	UTC offset
SMSC		33 689000200					+01:00
SMSC		33 689000720					+01:00
SMSC		33 689004031			Mavenir	3.0	+01:00
SMSC		33 689004032			Mavenir	3.0	+01:00
SMSC		33 689004033			Mavenir	3.0	+01:00
SMSC		33 689004034			Mavenir	3.0	+01:00
SMSC		33 689004094					+01:00
IP-SMGW		33 689004041			Mavenir	3.0	+01:00
IP-SMGW		33 689004042			Mavenir	3.0	+01:00
IP-SMGW		33 689004043			Mavenir	3.0	+01:00
IP-SMGW		33 689004044			Mavenir	3.0	+01:00
SGSN-2G+3G		33 6890033 34 / 35	0.0.0.0				+01:00
SGSN-2G+3G		33 6890033 38 / 41	0.0.0.0				+01:00
SGSN-2G+3G		33 6890033 47 / 49	0.0.0.0				+01:00
SGSN-2G+3G		33 6890033 51 / 53	0.0.0.0				+00:00
SGSN-2G+3G		33 689003355	0.0.0.0				+01:00
SGSN-2G+3G		33 6890033 57 / 58	0.0.0.0				+01:00

History of changes

Date	Description
2018-08-06	Remove old SGSN-2G+3G: 33689003333; 33689003337; 33689003350; 33689003354; 33689003356; 33689007101/8
2018-06-15	Update SMSC and Add new IP-SMGW GT: 33689004041, 33689004042, 33689004043 and 33689004044
2018-04-19	Add new SGW
2018-04-18	Add new SGSN 33689003354
2018-01-05	Add new MMSC GT: 33689005226, 33689005227 and 33 689005147
2018-01-04	Remove old MMSC GT: 33689005140/9
2017-09-18	Add new SGSN
2017-08-07	Add new SGSN GT 33689003344 and GT 33689003345
2017-05-18	Add new SGSN GT 33689003336
2017-05-03	Add new SGSN GT 33689003343
2017-03-27	Add new SGSN GT 33689003332
2017-02-02	Add new SGSN GT 33689003342
2016-10-24	Add new SMSC GT 33689004033 and 33689004034
2016-10-24	Add new SGSN GT 33689003331 and GT 33689003399
2016-07-26	Add new SGSN
2016-04-26	Add new SMSC
2015-02-23	Update SGSN 2G/G3 Ericsson SGSN MME ,SGW ,PGW new SW/HW version
2014-12-01	Additional HLRs (33689005xxx)
2014-11-24	Additional HLR, SMSC and SCP nodes (33689008xxx)
2014-10-20	Add new SGW and PGW
2014-07-15	Add new SMSC
2014-07-01	Add new SGSN 33689007106, 33689007107, 33689007108
2014-06-16	Add new PGW and GGSN
2013-11-08	Add new SGW and PGW
2013-06-10	Add new SGSN 33689007100
2012-10-16	Add new SGSN range 3368900710X
2012-09-19	Update minor information
2012-03-20	Add new MMSC 33689003448
2012-03-20	Add new MMSC range 3368900351X and 3368900352X
2012-01-31	GGSN SW version Update
2012-01-31	Add new MMSC range 33689003446 to 33689003447

Date	Description
2011-10-05	Add new SMSC range 3368900672 to 3368900675 (Voice Mail SMS Notification)
2011-10-05	Add new SGSN range 3368900339X
2011-10-05	BSS and UTRAN network elements are no longer provided
2011-10-05	SGSN SW version Update

USSD Information

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

USSD capability available	Yes
Supported phase	Phase 2

History of changes

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*
MT-SMS-CSI			
MG-CSI			
PSI Enhancements			

History of changes

Date	Description
2011-10-05	CAMEL Functionality Information are no longer provided

Packet Data Services Information

TADIG code: FRAF1
Section ID: 16 (Conditional)
Effective date of change: 2018-08-06

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			**APN Type**	**ISP DNS IP address (primary)**	**ISP DNS IP address (secondary)**
APN	**Username**	**Password**			
orange.fr	orange	orange	H-APN	194.51.3.56	194.51.3.76

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**					
orange	orange	orange	H-APN	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	Yes	No
GGSN Support	Yes	No

List of 2G/3G QOS profiles	
Profile name:	default-Roam2G / default-Roam3G
Traffic class:	Interactive
ARP:	3
Evolved ARP support:	Yes
Evolved ARP priority level:	1
Evolved APR preemption vulnerability list:	
Evolved APR preemption capability list:	
Delivery order:	Yes
Traffic handling priority:	3

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	
HSUPA	
3GPS	

Multiple PDP Context Support	
Number of Primary PDP Context	11

History of changes

Date	Description
2015-11-06	Update ARP & THP for 2G/3G QoS
2015-06-01	Update IPv6 Connectivity Information
2014-06-16	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
2013-11-08	Add 2G/3G Qos Pofile
2013-06-10	Add LTE APN Operator Identifier
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.

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

ULI Additional MCC/MNC List	MCC	MNC
	208	02

RAI Additional MCC/MNC List	MCC	MNC
	208	02

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

List of Autonomous System Number (ASN4B):	ASN4B

List of PMN authoritative DNS server IP addresses and names		
IP address	**IPv6 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	**IPv6 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

History of changes

Date	Description
2013-06-10	Additional LTE DNS Server
2013-06-10	Change DNS Server Name
2012-09-19	Additional ULI MCC/MNC used for national roaming called White Zone
2011-10-05	Additional RAI MCC/MNC used for national roaming called White Zone

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

History of changes

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

History of changes

LTE Roaming Information

TADIG code: FRAF1
Section ID: 20 (Optional)
Effective date of change: 2016-11-02

IPX Provider Name	IPX DA Realm Used	Diameter Architecture
Orange Carrier	dummy.fqdn	Option5

Primary IP address of DA	Secondary IP address of DA
0.0.0.0	0.0.0.0

Roaming Interconnection

EPC Realms For Roaming	
	epc.mnc001.mcc208.3gppnetwork.org

FQDN Diameter Edge Agent

FQDN	Primary IP Address DEA FQDN	Secondary IP Address DEA FQDN
dummy.fqdn	0.0.0.0	

S6a Supported without IWF	S6a MAP IWF supported to HSS	S6a MAP IWF supported to MME
true	false	false

S6d used for legacy SGSN	S9 used for PCC
false	false

SMS ITW

SMS delivery over IP	SMS delivery over SGs
false	true

Voice ITW

CSFB

Roaming CS Fallback

Not Supported

		HPMN	VPMN
LTE Roaming Agreement Only	LTE Only Roaming Supported	No	No
2G/3G Roaming Agreement Only	Scenario 2 Supported	No	Yes
	Scenario 3 Supported	Yes	No
2G/3G/LTE Roaming Agreement	Scenario 1 Supported	No	Yes
	Scenario 2 Supported	Yes	No
	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:	default-Roam4G
QCI Value List:	8 9
QOS ARP List:	11 12 13 14
ARP Preemption Vulnerability List:	0
ARP Preemption Capability List:	1

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

Information for Diameter certificates exchange

History of changes

Date	Description
2016-11-02	Add new SMSC GT 33689004033 & 33689004034 - Add new SGSN GT 33689003331 - Add new SGSN GT 33689003399
2015-11-02	update QCI and ARP
2015-08-04	Update LTE Information for FRAF1 Network
2015-06-01	Update IPv6 Connectivity Information
2015-05-12	Update Diameter Infos
2015-02-23	Hide MME Hostnames
2014-11-24	Add new MME hostnames
2014-11-24	Scenarios updated
2014-10-20	Add New MME Hostnames and delete QCI values 6,7 and 9 from LTE information
2013-11-22	Add LTE Roaming Information

CONTACT INFORMATION

TADIG code: FRAF1
Section ID: 21 (Optional, Repeating)
Effective date of change: 2019-03-18

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.**	**Mobile**	**Fax**	**Email**
Roaming Fault Management	33157369996			roamingfault.management@orange.com
Escalation Contact for Troubleshooting				
Person Name	**Tel.**	**Mobile**	**Fax**	**Email**
Mr. Martinez Victor	33157369881			victor.martinez@orange.com
24 x 7 Troubleshooting (contact out of Office Hours)				
Team Name	**Tel.**	**Mobile**	**Fax**	**Email**
No 24/7 support				
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**
	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**
	Mr. Kamel Bennaceur	33157366706		
	JobTitle		**Email**	
	IREG Manager		kamel.bennaceur@orange.com	
	Person Name	**Tel.**	**Mobile**	**Fax**
	Mr. Zaher Mahfouz	33157362027		
	JobTitle		**Email**	
	IREG expert		zmahfouz.ext@orange.com	
	Person Name	**Tel.**	**Mobile**	**Fax**
	Mr. Gaoussou Sanoko	33157361208		
	JobTitle		**Email**	
	IREG expert		gsanoko.ext@orange.com	
	Person Name	**Tel.**	**Mobile**	**Fax**
	Ms Varsha Patel	33157363289		
	JobTitle		**Email**	
	IREG expert		vpatel.ext@orange.com	
	Person Name	**Tel.**	**Mobile**	**Fax**
	Mr. Adil El Atchia	0157367091		
	JobTitle		**Email**	
	IREG expert		adelatchia.ext@orange.com	

TADIG Tests				
	Person Name	**Tel.**	**Mobile**	**Fax**
	ROC TADIG	22520348434		
	JobTitle		**Email**	
			tadigroc.gos@orange.com	

IR21 Distribution Email Address	**Email**
	roamingevolution.management@orange.com
	ofdme.roaming@orange.com

History of changes

Date	Description
2019-03-18	Update Contacts
2017-03-29	Update Contacts
2015-10-05	Update contacts
2015-08-12	Update Contacts
2015-02-18	Modify Contacts
2014-06-16	Modify Contacts
2013-07-03	Modify IREG expert
2012-11-23	Modify IREG Manager
2012-09-19	Add new IREG contact
2012-09-19	Remove 24/7 troubleshooting contact
2012-02-01	New Operation Manager, Troubleshooting & IREG contact number
2011-10-05	New mail domain @orange.com instead of @orange-ftgroup.com
2011-10-05	New Operation Manager, Ireg Manager, Ireg expert
2011-04-01	Update of Troubleshooting contact with RAEX

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
FRAF1	23	M2M Roaming Information
FRAF1	24	MVNO Information
FRAF1	26	VoLTE Roaming Information Section

NETWORK

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

TADIG code:	AAZOR
Network type:	Terrestrial
Technology:	**Frequency list:**
2G-GSM frequencies:	GSM 900, DCS 1800
3G-UTRA/FDD frequencies:	1 - IMT 2.1 GHz, 8 - 900 MHz
3G-UTRA/TDD frequencies:	Unsupported
4G-E-UTRAN frequencies:	1 - IMT 2.1 GHz, 3 - DCS 1800, 7 - 2.6 GHz, 20 - 800 MHz EDD, 28 - 700 MHz APAC
4G-E-UTRAN-MIoT-LTE-M frequencies:	20 - 800 MHz EDD
4G-E-UTRAN-MIoT-NB-IOT frequencies:	Unsupported
Presentation of country initials and MNN:	Orange M2M
Abbreviated MNN:	ORM2M

NETWORK INFORMATION

TADIG code: AAZOR
Section ID: 3 (Mandatory)

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

ROUTING INFORMATION

TADIG code: AAZOR
Section ID: 4 (Mandatory)
Effective date of change: 2017-07-25

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*
MSISDN number ranges (s)							
	883	130	100000000	999999999			
Network Nodes Global Title Number Range(s)							
	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

Is 15 Digit MSISDN Supported ?	Yes

USIM SIM Header	8988301

Additional Information

The MSISDNs ranges are coded as follow : 883 130 XXXXXXXXX where X = 0 to 9

History of changes

Date	Description
2017-07-13	15 MSISDN digits supported
2014-06-17	Modify MSISDN
2014-06-16	Modify MSISDN

INTERNATIONAL SCCP GATEWAY

TADIG code: AAZOR
Section ID: 5 (Optional)
Effective date of change: 2013-07-01

International SCCP carrier list	
SCCP carrier name:	FT/IBNF
Connectivity information:	Primary
MNO TADIG code list:	

DPC info:	
Signature:	Paris TK1
Type:	SCCP/STP
International DPC:	2.202.3
Comments:	

DPC info:	
Signature:	Reims TK2
Type:	SCCP/STP
International DPC:	2.202.4
Comments:	

SCCP carrier name:	FT/IBNF for ANSI conversion
Connectivity information:	Primary
MNO TADIG code list:	

DPC info:	
Signature:	Paris TK1
Type:	SCCP/STP
International DPC:	6.254.15
Comments:	

DPC info:	
Signature:	Reims TK2
Type:	SCCP/STP
International DPC:	6.254.16
Comments:	

History of changes

Date	Description
2013-06-10	Add International SCCP Gateway

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

History of changes

Date	Description
2013-06-10	Add SCCP protocol information

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

History of changes

Date	Description
2013-06-03	Add Subscriber Identity Authentication for AAZOR Network

MOBILE APPLICATION PART (MAP)

TADIG code: AAZOR
Section ID: 10 (Optional)
Effective date of change: 2014-07-07

Interworking specifically for roaming				
Application context name	**Current version in**			**Comments**
	Inbound roaming		**Outbound roaming**	
	MSC/VLR	**SGSN**	**Outbound roaming**	
networkLocUp	MAPv2	N/A	MAPv2	V3 for UMTS
roamingNumberEnquiry	MAPv3	N/A	MAPv1	HLR at V3 3G
InfoRetrieval	MAPv2	MAPv3	MAPv3	V3 for UMTS
subscribeDataMngt	MAPv3	MAPv3	MAPv3	HLR : ACv2 for GSM only. ACv3 for 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	-	-	
faillureReport	N/A	-	-	
secureTransportHandling	-	-	-	

History of changes

Date	Description
2014-06-16	Modify MAP Informations
2013-06-10	Add MAP informations

MAP Inter Operator SMS Enhancement

TADIG code: AAZOR
Section ID: 12 (Optional)
Effective date of change: 2013-07-01

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

History of changes

Date	Description
2013-06-10	Add MAP inter operator SMS Enhancement informations

NETWORK ELEMENTS INFORMATION

TADIG code: AAZOR
Section ID: 13 (Optional)
Effective date of change: 2016-01-10

Node type	Node ID	GT address / Address range	IP address / Address range	IPv6 address / Address range	Vendor info	SW / HW version	UTC offset
HLR		883 1300000 11000 / 11002			Ericsson	HLR-FE12ACM06	+00:00
MSC/VLR-2G+3G		33 68900 0000 / 1999			Ericsson	MSS 4.1	+00:00
SMSC		883 130 000021000 / 000021008			Symsoft	SMSC v.4.10.1	+00:00
PGW			80.10.111.8/29		Ericsson	EPG 2013A	+00:00
PGW			80.10.111.0/29		Ericsson	EPG 2013A	+00:00

History of changes

Date	Description
2015-12-10	Correst SMSC Range for AAZOR
2015-08-10	Replace GGSN by PGW Node
2015-08-04	Update SMSC GT address
2015-08-04	Add new HSS Node
2014-06-16	Modify Network elements
2013-06-10	Add new Network Elements Information

Packet Data Services Information

TADIG code: AAZOR
Section ID: 16 (Conditional)
Effective date of change: 2017-07-25

List of APN Operator Identifiers		
APN Operator Identifier	**Description**	**Example**
mnc031.mcc901.gprs		
mnc031.mcc901.3gppnetwork.org		

List of APN's available for testing and troubleshooting

APN WEB List					
APN Credential			**APN Type**	**ISP DNS IP address (primary)**	**ISP DNS IP address (secondary)**
APN	**Username**	**Password**			

APN WAP List							
APN Credential			**APN Type**	**WAP Gateway**	**WAP Server URL**	**WAP Port ver 1**	**WAP Port ver 2**
APN	**Username**	**Password**		**IP address**			

APN MMS List				
	APN Credential		**WAP Gateway IP address for MMS**	**Messaging Server URL**
APN	**Username**	**Password**		

IPv6 Connectivity Information		
	IPv6 PDP Supported	**IPv4v6 PDP Supported**
SGSN Support	No	No
GGSN Support	Yes	No

List of 2G/3G QOS profiles

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	
HSUPA	
3GPS	

Multiple PDP Context Support	
Number of Primary PDP Context	11

History of changes

Date	Description
2017-07-13	IPV6 supported
2015-08-04	Modify Packet Data Service Information
2014-06-16	Modify Packet Data Service Information

IP - Roaming and IP - Interworking Information
TADIG code: AAZOR
Section ID: 17 (Conditional)
Effective date of change: 2018-08-08

List of All IP address ranges used by PMN for connection to inter - PMN IP backbone	IP Address Range
	80.10.111.0/29
	80.10.111.8/29
	80.10.111.16/28
	80.10.111.32/28
	80.10.111.48/32
	80.10.111.49/32

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

List of Autonomous System Number (ASN4B):	ASN4B

List of PMN authoritative DNS server IP addresses and names		
IP address	**IPv6 address**	**DNS Name**
212.234.96.11		PMASDNS1.mnc031.mcc901.gprs
212.234.96.74		LYLADNS1.mnc031.mcc901.gprs
212.234.96.11		PMASDNS1.mnc031.mcc901.3gppnetwork.org
212.234.96.74		LYLADNS1.mnc031.mcc901.3gppnetwork.org

List of GRX Providers	GRX Provider
	France Telecom/IBNF

History of changes

Date	Description
2018-07-17	Add new IP address for AAZOR: 80.10.111.16/28 80.10.111.32/28 80.10.111.48/32 80.10.111.49/32
2015-11-02	no change
2015-08-10	Hide The Following IP-PLMN Address Range for AAZOR Network :212.234.96.80/29 212.234.96.88/29 as it belongs only to FRAF1
2015-06-01	Add IP range for AAZOR Network 80.10.111.0/29 80.10.111.8/29
2015-03-26	Hide IP address 212.234.96.0/24 from AAZOR as it belongs only to FRAF1
2015-03-16	Please Ignore the Last request of Deleting the IP-PLMN Address Range: 80.10.0.0/24 80.10.1.0/24 80.10.2.0/24 80.10.3.0/24.Please Keep these Address implemented For FRAF1 20801
2015-03-09	Delete The Following IP-PLMN Address Range: 80.10.0.0/24 80.10.1.0/24 80.10.2.0/24 80.10.3.0/24
2014-06-16	Add IP range
2014-01-14	Update IP roaming and IP-interworking information for AAZOR - DON'T IMPLEMENT AAZOR IF NOT ASKED

LTE Roaming Information

TADIG code: AAZOR
Section ID: 20 (Optional)
Effective date of change: 2017-07-25

IPX Provider Name	IPX DA Realm Used	Diameter Architecture
Orange Carrier	dummy.fqdn	Option5

Primary IP address of DA	Secondary IP address of DA
0.0.0.0	0.0.0.0

Roaming Interconnection

EPC Realms For Roaming	
	epc.mnc031.mcc901.3gppnetwork.org

FQDN Diameter Edge Agent

FQDN	Primary IP Address DEA FQDN	Secondary IP Address DEA FQDN
dummy.fqdn	0.0.0.0	

S6a Supported without IWF	S6a MAP IWF supported to HSS	S6a MAP IWF supported to MME
true	false	false

S6d used for legacy SGSN	S9 used for PCC
false	false

SMS ITW

SMS delivery over IP	SMS delivery over SGs
false	true

Voice ITW

CSFB

Roaming CS Fallback

Not Supported

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

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

Information for Diameter certificates exchange

History of changes

Date	Description
2017-07-13	IPV6 supported
2015-08-04	Create LTE Information for AAZOR Network

CONTACT INFORMATION

TADIG code: AAZOR
Section ID: 21 (Optional, Repeating)
Effective date of change: 2019-03-18

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.**	**Mobile**	**Fax**	**Email**
Roaming Fault Management	33157369996			roamingfault.management@orange.com

Escalation Contact for Troubleshooting				
Person Name	**Tel.**	**Mobile**	**Fax**	**Email**
Mr. Martinez Victor	33157369881			victor.martinez@orange.com

24 x 7 Troubleshooting (contact out of Office Hours)				
Team Name	**Tel.**	**Mobile**	**Fax**	**Email**
No 24/7 support				

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**
	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**
	Mr. Kamel Bennaceur	33157366706		
	JobTitle		**Email**	
	IREG Manager		kamel.bennaceur@orange.com	
	Person Name	**Tel.**	**Mobile**	**Fax**
	Mr. Zaher Mahfouz	33157362027		
	JobTitle		**Email**	
	IREG expert		zmahfouz.ext@orange.com	
	Person Name	**Tel.**	**Mobile**	**Fax**
	Mr. Gaoussou Sanoko	33157361208		
	JobTitle		**Email**	
	IREG expert		gsanoko.ext@orange.com	
	Person Name	**Tel.**	**Mobile**	**Fax**
	Ms Varsha Patel	33157363289		
	JobTitle		**Email**	
	IREG expert		vpatel.ext@orange.com	
	Person Name	**Tel.**	**Mobile**	**Fax**
	Mr. Adil El Atchia	0157367091		
	JobTitle		**Email**	
	IREG expert		adelatchia.ext@orange.com	

TADIG Tests				
	Person Name	**Tel.**	**Mobile**	**Fax**
	ROC TADIG	22520348434		
	JobTitle		**Email**	
			tadigroc.gos@orange.com	

IR21 Distribution Email Address	**Email**
	roamingevolution.management@orange.com
	ofdme.roaming@orange.com

History of changes

Date	Description
2019-03-18	Update Contacts
2015-11-25	Update Contacts
2015-10-05	Update Contacts
2015-08-12	Update Contacts
2015-02-18	Modify Contacts
2014-06-16	Modify Contacts
2013-06-10	Add Contacts

SECTIONS NOT IN USE

TADIG Code	Section ID	Section Name
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	18	MMS Interworking Information
AAZOR	19	WLAN Information
AAZOR	22	Hosted Networks
AAZOR	23	M2M Roaming Information
AAZOR	24	MVNO Information
AAZOR	26	VoLTE Roaming Information Section