

GSMA Roaming Database IR.21 Data



RAEX IR.21 Information

Creation date:	2020-11-05
Creation time:	14:33:40+01:00
File type:	IR.21
Sender TADIG:	AAMT1
Publish Comment:	Added secondary PLMN 242 99
TADIG-GEN schema version:	2.4
RAEX-IR.21 schema version:	14.0

ORGANISATION INFORMATION

Section ID: 1 (Mandatory)

Organisation name:	Tampnet AS
Country initials:	AAM

History of changes

TADIG Code	Section ID	Section	Date	Description
AAMT1	16	Packet Data Service Information	2020-08-13	Added APN operator identifier for 242 99
AAMT1	5	International SCCP Gateway	2020-07-03	Changed to 901 71
AAMT1	16	Packet Data Service Information	2020-06-15	Changed to 901 71
AAMT1	5	International SCCP Gateway	2019-04-10	Changed STP on Tampnet
AAMT1	6	Domestic SCCP Gateway	2019-04-10	Saved STP on Tampnet
AAMT1	5	International SCCP Gateway	2019-04-08	New point code for Tampnet NorthSea
AAMT1	6	Domestic SCCP Gateway	2019-04-08	New point code for Tampnet 242 99
AAMT1	16	Packet Data Service Information	2019-02-19	GTPv0
AAMT1	6	Domestic SCCP Gateway	2019-02-18	Domestic SCCP
AAMT1	8	Subscriber Identity Authentication	2019-02-18	GSM auth
AAMT1	10	MAP	2019-02-18	MAP3
AAMT1	16	Packet Data Service Information	2019-02-18	GPRS info
AAMT1	16	Packet Data Service Information	2019-02-18	GPRS update
AAMT1	26	VoLTE Roaming Information Section	2019-02-18	VoLTE S8HR
AAMT1	26	VoLTE Roaming Information Section	2019-02-18	S8HR constraints
AAMT1	26	VoLTE Roaming Information Section	2019-02-18	S8HR
AAMT1	26	VoLTE Roaming Information Section	2019-02-18	S8HR VoLTE QOS
AAMT1	21	Contact Information	2017-10-16	NOC team added as contact
AAMT1	21	Contact Information	2017-06-19	ir21 dist list update
AAMT1	5	International SCCP Gateway	2017-06-16	Int SCCP added
AAMT1	8	Subscriber Identity Authentication	2017-06-16	SIA
AAMT1	21	Contact Information	2017-06-16	Contacts added

NETWORK

TADIG code: AAMT1

Section ID: 2 (Mandatory, Repeating)

TADIG code:	AAMT1
Network name:	North Sea
Network type:	Non-Terrestrial
Technology:	Frequency list:
2G-GSM frequencies:	DCS 1800
3G-UTRA/FDD frequencies:	Unsupported
3G-UTRA/TDD frequencies:	Unsupported
4G-E-UTRAN frequencies:	3 - DCS 1800, 20 - 800 MHz EDD, 8 - 900 MHz
4G-E-UTRAN-MIoT-LTE-M frequencies:	Unsupported
4G-E-UTRAN-MIoT-NB-IoT frequencies:	Unsupported
MIoT-NB-IoT deployment modes:	Unsupported
Presentation of country initials and MNN:	Tampnet
Abbreviated MNN:	Tampnet

NETWORK INFORMATION

TADIG code: AAMT1

Section ID: 3 (Mandatory)

The following information refer to the network identified by TADIG code AAMT1

ROUTING INFORMATION

Confidential information has been removed as requested by the operator

INTERNATIONAL SCCP GATEWAY

TADIG code: AAMT1

Section ID: 5 (Optional)

Effective date of change: 2020-07-03

International SCCP carrier list

SCCP carrier name:	Syniverse
Connectivity information:	Primary
Comments:	Syniverse will provide the necessary SCCP routing information.
MNO TADIG code list:	AAMT1

DPC info:	
Signature:	Syniverse
Type:	STP/SCCP
International DPC:	235.3.0
Comments:	

DPC info:	
Signature:	Tampnet
Type:	STP/SCCP
International DPC:	2.178.80
Comments:	PLMN 901 71

History of changes

Date	Description
2020-07-03	Changed to 901 71
2019-04-10	Changed STP on Tampnet
2019-04-08	New point code for Tampnet NorthSea
2017-06-16	Int SCCP added

DOMESTIC SCCP GATEWAY

TADIG code: AAMT1

Section ID: 6 (Conditional)

Effective date of change: 2019-04-10

Domestic SCCP Carrier List	
SCCP Carrier Info	
SCCP Carrier Name:	Syniverse
DPC Info	
Signature:	Syniverse
Type:	
Domestic DPC:	235.250.0
Comments:	Syniverse IPX
DPC Info	
Signature:	Tampnet
Type:	
Domestic DPC:	2.178.80
Comments:	PLMN 242 99

History of changes

Date	Description
2019-04-10	Saved STP on Tampnet
2019-04-08	New point code for Tampnet 242 99
2019-02-18	Domestic SCCP

SUBSCRIBER IDENTITY AUTHENTICATION

TADIG code: AAMT1

Section ID: 8 (Optional)

Effective date of change: 2019-02-18

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	

History of changes

Date	Description
2019-02-18	GSM auth
2017-06-16	SIA

MOBILE APPLICATION PART (MAP)

TADIG code: AAMT1

Section ID: 10 (Optional)

Effective date of change: 2019-02-18

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

History of changes

Date	Description
2019-02-18	MAP3

NETWORK ELEMENTS INFORMATION

Confidential information has been removed as requested by the operator

CAMEL INFO

Confidential information has been removed as requested by the operator

Packet Data Services Information

TADIG code: AAMT1

Section ID: 16 (Conditional)

Effective date of change: 2020-08-13

List of APN Operator Identifiers

APN Operator Identifier	Description	Example
mnc071.mcc901.gprs	GPRS	
mnc099.mcc242.gprs	GPRS	

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 IP address	WAP Server URL	WAP Port ver 1	WAP Port ver 2
APN	Username	Password					

APN MMS List

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

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:	2G/3G QOS
Traffic class:	Conversational
ARP:	1
Evolved ARP support:	No
Evolved ARP priority level:	
Evolved APR preemption vulnerability list:	
Evolved APR preemption capability list:	

GTP Version

SGSN	GTPv1
GGSN	GTPv0

List of Data Service supported

2G Data Services	Multislot Class Capability
GPRS	

3G Data Services	UE 3G Category
-	-

Multiple PDP Context Support

Number of Primary PDP Context	Not supported
-------------------------------	---------------

History of changes

Date	Description
2020-08-13	Added APN operator identifier for 242 99
2020-06-15	Changed to 901 71
2019-02-19	GTPv0
2019-02-18	GPRS info
2019-02-18	GPRS update

IP - Roaming and IP - Interworking Information

Confidential information has been removed as requested by the operator

WLAN Information

Confidential information has been removed as requested by the operator

LTE Roaming Information

Confidential information has been removed as requested by the operator

Hosted networks

Confidential information has been removed as requested by the operator

VoLTE Roaming Information Section

TADIG code: AAMT1

Section ID: 26 (Conditional)

Effective date of change: 2019-02-18

VoLTE roaming architectures		
Architecture	VPMN	HPMN
LBO HR	Unsupported	Unsupported
LBO VR	Unsupported	Unsupported
S8HR	Supported	Supported

Mobility and voice continuity		
Technology	VPMN	HPMN
Single Radio Voice Call Continuity	Not supported	Not supported

S8HR roaming constraints	
VPLMN technology Strategy for EC	CS Fallback
Lawful Interception	No
EPS QoS to be enforced	VoLTE

History of changes

Date	Description
2019-02-18	VoLTE S8HR
2019-02-18	S8HR constraints
2019-02-18	S8HR
2019-02-18	S8HR VoLTE QOS

CONTACT INFORMATION

TADIG code: AAMT1

Section ID: 21 (Optional, Repeating)

Effective date of change: 2017-10-16

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

Location		Stavanger	
Office Time Zone in UTC		+01:00	
Office Hours	Week Day (s)	Start Time	End Time
		00:00:00	23:59:00

Main Contact for Troubleshooting (Office Hours)

Team Name	Tel.	Mobile	Fax	Email
Norway NOC	+4781521500			noc@tampnet.com

Escalation Contact for Troubleshooting

Person Name	Tel.	Mobile	Fax	Email
Roamingstaff Roamingstaff				roamingstaff@tampnet.com

24 x 7 Troubleshooting (contact out of Office Hours)

Team Name	Tel.	Mobile	Fax	Email
Norway NOC	+4781521500			noc@tampnet.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
Roamingstaff Roamingstaff			
JobTitle	Email		
	roamingstaff@tampnet.com		

Roaming Coordinator

Person Name	Tel.	Mobile	Fax
Roamingstaff Roamingstaff			
JobTitle	Email		
	roamingstaff@tampnet.com		

IREG Tests

Person Name	Tel.	Mobile	Fax
Roamingstaff Roamingstaff			
JobTitle	Email		
	roamingstaff@tampnet.com		

TADIG Tests

Person Name	Tel.	Mobile	Fax
Roamingstaff Roamingstaff			
JobTitle	Email		
	roamingstaff@tampnet.com		

IR21 Distribution Email Address

Email
roamingstaff@tampnet.com

History of changes

Date	Description
2017-10-16	NOC team added as contact
2017-06-19	ir21 dist list update
2017-06-16	Contacts added

SECTIONS NOT IN USE

TADIG Code	Section ID	Section Name
AAMT1	4	Routing Information
AAMT1	7	SCCP Protocol available at PMN for connection for International SS7 Roaming
AAMT1	9	Test Numbers Information
AAMT1	11	MAP Optimal Routing Section
AAMT1	12	MAP Inter Operator SMS Enhancement
AAMT1	13	Network Elements Information
AAMT1	14	USSD Information
AAMT1	15	CAMEL Information
AAMT1	17	IP-Roaming and IP-Interworking Information
AAMT1	18	MMS Interworking Information
AAMT1	19	WLAN Information
AAMT1	20	Roaming in Long Term Evolution
AAMT1	22	Hosted Networks
AAMT1	23	M2M Roaming Information
AAMT1	24	MVNO Information
AAMT1	27	LPWA Roaming Information Section