

TECHNICAL REQUIREMENTS AND TESTING

1. Interfaces and Responsibilities

- 1.1 The Wholesale Roaming Access Services as described in Annex 2 will be facilitated via the below stated interfaces. In terms of the physical interfaces between the Parties the following shall apply:
- 1.2 Access Seeker must have a secure access to Tele2s SP Gateway. Tele2 decides on when such requirement has been fulfilled. Access can be via a VPN tunnel, or by the Access Seeker purchasing a direct trunk to Tele2s MPLS net. The costs for an MPLS net are to be covered by Access Seeker.
- 1.3 CDR's (Call Detail Record) will be provided by Tele2 over SFTP. Login credentials and format specification will be supplied by Tele2 prior to Commercial Launch. It is the full responsibility of Access Seeker to collect the data made available by Tele2 on the agreed delivery point in order to perform customer billing, policing, fraud detection etc.
- 1.4 Creation, modification and deletion of subscriptions in Tele2's network databases will be done by Access Seeker via interface set up by Access Seeker to Tele2s provisioning system over a SOAP based interface. Format specification will be supplied by Tele2 prior to Commercial Launch.
- 1.5 Access Seeker is responsible for that correct data is entered into SOAP. Tele2 reserves the right to charge Access Seeker for time spent on fault finding and correction due to Access Seeker entering invalid MSISDN or IMSI numbers, or any other misuse of the provisioning systems not caused by Tele2. For avoidance of doubt, such cost is not included in the implementation cost stated in Annex 3. The fee will be cost based.
- 1.6 Access to Trouble Ticketing system is provided via secure access. See Annex 9 for further information.
- 1.7 DIS (Drifts Information System) Tele2 will provide access to a WEB based support tools in which Access Seeker's customer service and technical staff will be able to collect information concerning present known incidents and Historic incidents. Login credentials and address for DIS will be supplied by Tele2 to Access Seeker prior to Commercial Launch.

2. SIM cards

- 2.1 Tele2 will deliver batches of minimum 5000 SIMs to Access Seeker. Access Seeker will be responsible for distribution of SIM cards to Access Seeker Roaming Customers. SIM cards are delivered with PIN and PUK printed on SIM card.

3 Subscriber services

- 3.1 Access Seeker has the possibility to employ certain subscriber services for the Access Seekers Roaming Customers. The services are activated by IMSI in Tele2's subscriber database. The list below indicates which parameters can be set in the HLR in order to activate a certain service. The parameters are grouped on the basis of similar functions. Any service parameters not included in the list cannot be used by Access Seeker. However, the Wholesale Roaming Access Services offered to Access Seeker's Roaming Customers are dependent upon the agreed services in the individual international roaming partner agreements between Tele2 and Tele2's Roaming Partners and may therefore vary within the Coverage Area.

3.2 Implementation of standard HLR profile involves the service parameters being set in HLR according to agreed profile. Additional individual services may then be added or subtracted to each subscriber.

Service
Blocking services (Subscriber controlled)
Blocks all incoming calls
Blocks all outgoing calls
Blocks all incoming calls when roaming
Blocks all outgoing international calls
Blocks all outgoing international calls apart from calls to Sweden
Call forwarding services
Call forwarding on busy subscriber
Call forwarding on not reachable
Call forwarding on no answer
Call forwarding Unconditional
Default call forwarding for operator
Operator determined barring
Block premium calls
Block outgoing calls
Block incoming calls
Block roaming
Block packet data
Call Forwarding
Other services
Call waiting
Number presentation
Number withheld
Call Hold
Multi party call
Temporary restrict/display number presentation
Basic Services
Voice
SMS incoming
SMS outgoing
Packet Data

Voice message services
Clean
FORWARDDEST
ALTNUM

4 Roaming Partner information

- 4.1 Information regarding Tele2s current international Roaming Partners will be made available to Access Seeker via the web-based system ORCIS. ORCIS contains detail regarding each individual Roaming Partners network.