

SERVICE DESCRIPTION 1-4: MOBILE TERMINATING ACCESS SERVICE

1 THE SERVICE

The **Mobile Terminating Access Service** is a service for the carriage of a Telephone Call from an agreed Point of Interconnection to a Called Mobile Party on the Access Provider's Mobile Network.

Available to: A public telecommunications operator with an individual NFL or MNO licence and having one or more interconnection links with Batelco.

Traffic: Traffic which both originates and terminates in Bahrain only.

Reciprocal Service: A traffic delivery service must be offered by any operator capable of delivering traffic to that operator's directly connected customers.

2 DEFINITIONS

Capitalised terms not defined in this Service Description are defined in the Dictionary. Terms defined in this Service Description are specific to it.

Access Provider means the Licensed operator of the Mobile Network directly connecting the Called Mobile Party.

Access Seeker means the Licensed operator of the PSTN or Mobile Network directly connecting the PSTN Number or Mobile Number from which a Telephone Call to a Called Mobile Party originates.

Called Mobile Party means the Access Provider Customer to whose Mobile Number the Calling Party places the Telephone Call.

Calling Party means, for the purposes of this Service Description, the Access Seeker Customer who initiates a Telephone Call the completion of which requires utilisation of the Mobile Terminating Access Service.

MNO means a mobile telecommunications License granted by the Regulator to a Mobile Network operator.

NFL means a national fixed telecommunications License granted by the Regulator to operators of Networks which are not Mobile Networks.

Testing SIMs means 4 SIM cards (two each in respect of pre-paid and post-paid platforms).

3 TERMS

3.1 Pre-requisites

A party (**the first party**) shall not be obliged to supply the Mobile Terminating Access Service unless and until:

- (a) either the In-Span Interconnect Link Service or the CSI Link Service is provisioned;

- (b) the parties have established a Point of Interconnection at which the parties agree that the Access Seeker is to handover Telephone Calls to the Access Provider for termination to the Called Mobile Party;
- (c) the parties have successfully completed any pre-commissioning testing requirements set out in the Joint Working Manual; and
- (d) the other party can provide to the first party:
 - (i) if the other party operates a Mobile Network, the Mobile Terminating Access Service on a reciprocal basis; and
 - (ii) if the other party operates a PSTN, the PSTN Terminating Access Service on the basis set out in that Service Description.

3.2 Handover

The Access Seeker must handover Telephone Calls for termination on the Access Provider's Mobile Network:

- (a) at the Point of Interconnection agreed in writing by the Access Provider and the Access Seeker; and
- (b) in accordance with all applicable terms of this Service Description, the Supply Terms and relevant specifications notified by the Access Provider to the Access Seeker from time to time.

3.3 Conveyance

Subject to the Forecasting Procedures, the Access Provider shall convey Telephone Calls that are handed over by the Access Seeker to the Access Provider in accordance with paragraph 3.1 of this Service Description from the relevant Point of Interconnection to the Called Mobile Party by means of the Access Provider's Mobile Network.

3.4 Echo Control

Echo control will be provided in accordance with the Joint Working Manual.

3.5 Provision of tones and network announcements

- (a) In a manner and timetable agreed between the parties, each party as Access Provider will support signalling (the delivery of which is free of charge) to terminate the relevant call at the signalling level. The content of the release signal should wherever possible indicate the accurate reason for the termination.
- (b) If, notwithstanding the availability of signalling to terminate the relevant call, the Access Seeker may still request the Access Provider to divert the call to tones or announcements and the Access Provider may agree if it chooses and is able to do so;

- (c) An Access Provider:
 - (i) may not charge at all for tones and announcements until it has implemented the timetable in paragraph (a);
 - (ii) may charge the Access Seeker for the delivery to tones and announcements under paragraph (b);
 - (iii) may charge the Access Seeker for the delivery to tones and announcements if the signalling is not supported by a third party network; and
 - (iv) may not charge the Access Seeker for the delivery to tones and announcements if the signalling is available to the Access Provider, but the Access Provider does not terminate the call through signalling (other than at the request of the Access Seeker under paragraph (b)).
- (d) Details of the requirements for information tones and network announcements will be set out in the Joint Working Manual.

3.6 Signalling interconnection

The transfer of signals to support the establishment, maintenance and clear down of the Telephone Calls will be via the signalling interconnection specified in the Joint Working Manual.

3.7 Associated Information Signals

- (a) The Telephone Calls will be handed over to the Access Provider at the relevant Point of Interconnection with information signals provided in the associated signalling system.
- (b) The format of information in the signals referred to in paragraph (a) will be in accordance with ISUP specification set out in the Joint Working Manual.

3.8 Provision of CLI

- (a) The SS7 signalling provided by the Access Seeker must include the provision of CLI information in a format which allows the Access Provider to unambiguously derive the full Mobile Number or PSTN Number of the Calling Party to the full extent that the provision of such CLI information is capable of being supported by SS7 signalling.
- (b) The Access Seeker must obtain from the Regulator any approvals or licences necessary for exchange of CLI information (none is required as at the date of first publication).

3.9 Nature of Switchports

- (a) Telephone Calls will be delivered to the Access Provider at 2.048 Mbit/s Switchports via a Point of Interconnection.
- (b) The Switchports will operate at 2.048 Mbit/s in accordance with the Joint Working Manual.

3.10 Send and Receive Speech Levels

The send and receive levels for speech will be in accordance with the Joint Working Manual.

3.11 Calling Number Display

The parties will comply with the provisions relating to calling number display where set out in the Joint Working Manual.

3.12 Customer Billing

The Access Seeker is responsible for billing the Calling Party for the end-to-end Telephone Call provided by the Access Seeker utilising the GSM Terminating Access Service.

3.13 Testing SIMS

- (a) A party shall supply the other party with Testing SIMs to be used solely for the purpose of ongoing fault diagnosis for a period of time agreed between the parties and each party shall return the Testing SIMs at the end of that term.
- (b) Calls to and from Testing SIMs shall be reimbursed by the using party at the supplying party's retail charges.

3.14 Charges

The Access Seeker shall pay to the Access Provider the relevant Charges for each Chargeable Call which uses the Mobile Terminating Access Service, determined in accordance with this Service Description or Schedule 3 and for charging purposes only:

Answer Message (ANM) means the message set in a backward direction when a Called Party answers and when the destination exchange connects through the transmission path.

Chargeable Call means a Successful Call which was answered by the Called Party or the call-forwarded-to party (including a voicemail system or other automated answer system) and generated Conversation Time that starts with ANM and ends with a Release Message.

Conversation Time means, based on SS7, is the interval that elapses between the moment when the Answer Message is detected or received and the Release Message is detected or received.

IAM means the first message of the call set-up procedure which contains all the information to route the Call to the destination exchange and connect the Call to the Called Party.

Release Message means the message that initiates the release of the circuit switched connection or equivalent message in any other protocol.

Successful Call means a Telephone Call that starts with an IAM and is supported by the respective resources (signalling and traffic) of the interconnected networks and is delivered successfully as follows:

- (a) the Called Party answers the Call and an IAM is received by the Calling Party (whether or not combined with a call-forwarding service to another telephone number or a voicemail or any other automated answer system);
- (b) the Called Party is busy and the Call is terminated by a Release Message;
- (c) the Called Party does not answer the call and the call is terminated by a Release Message;
- (d) the Calling Party dials a telephone number that is not in service and receives a network announcement accordingly; or
- (e) the Network of the Called Party delivers any network announcement.

Charges

Item	Chargeable Activity	Effective Date	Charge	Charge Basis
1-4.1	Conveyance of Calls as set out in Service Description – mobile terminating access using GMSCs	1 October 2009	6.124 Fils	Per minute, calculated per second
1-4.2	Conveyance of Calls as set out in Service Description – mobile terminating access using either single tandem or double tandem.	1 October 2009	6.556 Fils	Per minute, calculated per second
1-4.3	Delivery to tone or announcement as set out in Service Description	6 August 2006	2 Fils	Per event
1-4.4	Calls to and from Test SIMs	6 August 2006	SIM provider's retail rates	Per call made or received