

SERVICE DESCRIPTION 1-5: PAGING TERMINATING ACCESS SERVICE

1 THE SERVICE

The **Paging Terminating Access Service** is a service for the carriage of Paging Calls from an agreed Point of Interconnection to a Paging Number and for the transmission of the Calling Number to the Customer's Pager.

Available to: Public telecommunications operators with an individual NFL or MNO or ISL licence and one or more interconnection links with Batelco.

Traffic: Paging messages which terminate in Bahrain only

Reciprocal Service: A reciprocal service must be offered by any operator with a paging network.

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 operator of the Paging Network directly connecting the Paging Number to which the Paging Call using the Paging Terminating Access Service is made.

Access Seeker means the operator of the PSTN or GSM Network directly connecting the Mobile Number or PSTN Number from which the Paging Call using the Paging Terminating Access Service is made.

Calling Number means the PSTN Number or Mobile Number associated with the Access Seeker's Network from which the Calling Party places the Paging Call.

Calling Party means the Access Seeker Customer who initiates a call the completion of which requires utilisation of the Paging Terminating Access Service.

ISL means an international services License granted by the Regulator to a provider of international telecommunications services.

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.

Pager means the customer device connected to the Access Provider's Paging Network used by the Paging Customer to receive Paging Messages.

Paging Call means a call from a PSTN or Mobile Number to a Paging Number which triggers a Paging Message to the Paging Customer or a Paging SMS Message from a Mobile Number to a Paging Number.

Paging Customer means an Access Provider Customer for its paging service.

Paging Message means a data message triggered by a Paging Call, transmitted over the Access Provider's Paging Network which displays (a) the Calling Number on the Paging Customer's Pager or (b) an SMS Message on the Paging Customer's Pager.

Paging Network means a paging Network accessible by the public providing switching and transmission facilities using digital and analogue techniques.

Paging Number means a telephone number associated within an individual Paging Customer to which Paging Calls can be made in accordance with the Bahrain Numbering Plan.

Paging SMS Message means an SMS Message sent from a Mobile Number to a Paging Number.

3 TERMS

3.1 Prerequisites

A party (the first party) shall not be obliged to supply the Paging 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 the Access Seeker is to handover Paging Calls for termination by the Access Provider to the Paging Number;
- (c) the parties have successfully completed any pre-commissioning testing requirements set out in the Joint Working Manual; and
- (d) the other party can supply the first party, if the other party operates a Paging Network, the Paging Terminating Access Service on a reciprocal basis.

3.2 Handover

The Access Seeker must handover Paging Calls:

- (a) at the Point of Interconnection agreed in writing between the parties; 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:

- (a) convey Paging Calls that are handed over by the Access Seeker to the Access Provider in accordance with paragraph 3.2 of this Service Description from the relevant Point of Interconnection to the Access Provider's Paging Network platform; and
- (b) provided the Access Provider receives the Calling Party's full CLI, transmit the Calling Number over its Paging Network so that it can be received by the Pager of the Paging Customer whose Paging Number was dialled by the Calling Party, or if more than one, to each Paging Number; or
- (c) provided the Access Provider receives the full SMS Message and provided the Pager of the Paging Customer whose Paging Number to which the SMS Message is addressed is capable of receiving the SMS Message, transmit the SMS Message over its Paging Network so that it can be received by the Pager of the Paging Customer to whose Paging Number the SMS Message was addressed, or if more than one, to each Paging Number.

3.4 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.

3.5 Signalling Interconnection

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

3.6 Associated Information Signals

- (a) The Paging 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.

3.7 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 derive unambiguously 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 delivery of CLI information by the Access Provider (none is required as at the date of first publication).

3.8 Nature of Switchports

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

3.9 Customer Billing

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

3.10 Charges

The Access Seeker shall pay to the Access Provider the relevant Charges for usage of the Paging Terminating Access Service, determined in accordance with this Service Description or Schedule 3.

Charges

Item	Chargeable Activity	Effective Date	Charge	Charge Basis
1-5.1	Call Delivery as set out in Service Description	1 July 2008	101.245 fils	Per termination/per Paging Number
1-5.2	Delivery to tone or announcement as set out in Service Description	6 August 2006	2 fils	Per event