

Reference Access and Interconnection Offer

Sub Annex C-MI 01 Mobile Ancillary Services

Table of Contents

1	General	3
2	Definitions	4
3	Point of Interconnection	5
4	Mobile Port Capacity Service	7
5	Basic Block and Expansion Co-location	9
6	Number Ranges Implementation	11
7	Ordering and Delivery	13
8	Tariff	14
9	Fault Management	15
10	Forecasts	16

1 General

- 1.1 This Sub Annex sets out the Mobile Ancillary Interconnection Services.
- 1.2 The Mobile Ancillary Interconnect Service Sub Annex is comprised of the following Services which will allow the Requesting Party to Interconnect with Omantel Mobile Network:
 - 1.2.1 Mobile Point of Interconnection Service
 - 1.2.2 Mobile Port Capacity Service
 - 1.2.3 Basic Block and Expansion Co-location
 - 1.2.4 Number Ranges Implementation
- 1.3 The Requesting Party shall request for appropriate connectivity requirements between Omantel POI and its equipment based on his location. The connectivity Services are charged separately as described in Sub Annex Sub Annex C-FA 08 and/ or Sub Annex C-FA 11.

2 Definitions

2.1 The definitions in Annex L shall apply to this Sub Annex.

3 Point of Interconnection

3.1 Omantel Mobile Gateway Switch.

3.1.1 Omantel offers the establishment of Points of Interconnection at each of the Mobile Gateway Switches set out in Table 3-1 below for the purpose if interconnection with its Mobile Network. The Interconnection would be considered as complete once the Requesting Party is connected to both POIs.

No.	Location	Type	Code	National Point Code	Common Point Code
1	Uzaiba	Huawei	MGW-04	2-1110	2-1112
2	Nizwa	Huawei	MGW-06	2-2593	2-1112

Table 3-1: Interconnection Switches

3.2 Signaling

3.2.1 The Parties shall use the signaling protocol signaling System No.7 for the purposes of interconnection between their Networks, in accordance with relevant ITU-T and ETSI standards and recommendations. Omantel Mobile signaling system is based on ITU-T White Book and ETSI Version2.

3.2.2 Omantel will provide signaling interconnection on both Associated and Quasi-Associated modes) at the locations in Table 3-2 below:

No.	Interconnection STPs (Mobile)
1	STP1 (Ghala)
2	STP2 (Qurum)

Table 3-2: Signaling Transfer Points (STPs)

3.2.3 In case Omantel has to change the location of the STPs, Omantel will inform the Requesting Party of the new locations and attempt on best efforts to transfer the links without impacting the Service quality. The connectivity charges shall be charged to the Requesting Party. Any such charges shall be those reasonably incurred and which shall be objectively justified. All such charges shall be subject to TRA approval. For the avoidance of doubt, where the

change of location arises as a result of Omantel decision alone and the Requesting Party has already paid for the setup of its connectivity requirements in the existing location, any such costs already paid for shall be offset by Omantel when calculating the cost of connectivity at the new location.

3.3 Ordering and Delivery

3.3.1 Ordering and delivery is handled according to Clause 7 of this Sub Annex.

3.3.2 Targeted delivery time for Points of Interconnection is thirty-four (34) Working Days with a maximum delivery time of seventy-five (75) Working Days subject to feasibility, cooperation of the Requesting Party and any other third Party. This delivery date is subject to the Requesting Party having fully cooperated with Omantel and that there will be no delays caused by factors outside Omantel's control such as, for example, due to the delay arising from the involvement of governmental entities.

4 Mobile Port Capacity Service

4.1 General

4.1.1 This Clause 4 sets out the Port Capacity Services of the Omantel Mobile Network.

4.1.2 Omantel shall provide access to its respective switches by means of ports at each Point of Interconnection.

4.1.3 Port Capacity is available in increments of 2 Mbit/s

4.2 Definitions

4.2.4 The definitions in Annex L shall apply to this Sub Annex in addition to the following definitions:

(a) Port Capacity – The number of 2Mbit/s switch ports at a Point of Interconnection

(b) Port Capacity Order - An order for 2 Mbit/s port capacity at a Point of Interconnection submitted by the Requesting Party to Omantel.

4.3 Ordering and Delivery

4.3.1 Ordering and delivery is handled according to Clause 7 of this Sub Annex.

4.3.2 With respect to Port Capacity ordered at a Point of Interconnection already in operation Omantel shall use its best endeavors to have a target delivery time of 25 Working Days and shall not exceed 70 Working Days following the date of receipt of the relevant Port Capacity Order.

4.3.3 Port Capacity ordered at Point of Interconnection that is not already in operation shall have a target delivery time according to Clause 7 of this Sub Annex.

4.3.4 If testing is considered necessary by one Party such testing shall be fulfilled in accordance with test specifications contained in the Annex D of Agreement.

- 4.3.5 The Parties shall use reasonable endeavors to complete such testing in the shortest appropriate time. Omantel shall provide the Requesting Party with reasonable time to prepare for the testing before commencing the testing. The Parties shall co-operate to ensure that testing is reasonably spread across the agreed testing period.
- 4.3.6 As soon as the Port Capacity is ready for Service, both Parties shall in writing or via e-mail certify that the Port Capacity Order has been satisfactory delivered.
- 4.4 Removal of Port Capacity
- 4.4.1 Other than for reasons of payment default by Requesting Party or as otherwise provided for under the terms of this Agreement once installed, Port Capacity can only be terminated by Omantel with the written consent of the Party paying for the Service.
- 4.4.2 The Requesting Party may terminate any Port Capacity at any POI upon twelve (12) weeks written notice to Omantel. The notice should be sent to the Omantel (the position responsible for network design and ordering) as defined in Annex K.
- 4.5 Order Amendment
- 4.5.1 Port Capacity Orders may not be amended unless the Parties agree to do so in writing, or where the Party requesting the change compensates the other Party for any reasonable costs incurred as a result of the change. Such costs shall be justified on request.

5 Basic Block and Expansion Co-location

5.1 General

5.1.1 The Basic Block and Expansion Co-Location arrangement under this Clause 5 is for reserving the block of port capacity at the Point of Interconnection. This can be done in multiples of 2mbps or in multiples of STM1.

5.1.2 Omantel will provide the requested connectivity between the Omantel Mobile POI and the Requesting Party Equipment Co-located at Omantel premises in accordance with the Co-Location Services described in Sub Annex C-FA 04 and Wholesale Transmission as described in Sub Annex C-FA 08.

5.2 The Products

5.2.1 Omantel offers the following products option for the Basic Block and Expansion Co-location:

- (a) Interconnection Basic Block 63 X 2 Mbps Customer Interface.
- (b) Interconnection Basic Block 1 X STM-1 Customer Interface.
- (c) Interconnection Expansion Block (63 X 2 Mbps) Customer Interface.
- (d) Interconnection Expansion Block 1 X STM-1 Customer Interface

5.3 Ordering and Delivery

5.3.2 Ordering and delivery is handled according to Clause 7 of this Sub Annex.

5.3.3 The target delivery time is estimated to be thirty (30) Working Days and shall not exceed sixty (60) Working Days subject to feasibility, cooperation of the Requesting Party and any other third Party. This delivery date is subject to the Requesting Party having fully cooperated with Omantel and that there will be no delays caused by factors outside Omantel's control such as, for example, due to the delay arising from the involvement of governmental entities.

5.3.4 Requests for Basic Block and Expansion Co-location that are not specified in this Sub Annex may be undertaken upon request as in Clause 7 of this Sub Annex.

6 Number Ranges Implementation

6.1 General

6.1.1 Omantel delivers Services to implement numbers in the Omantel Mobile Network. The Services are charged and delivered according to the conditions stated in this Clause 5

6.1.2 Omantel will only accept orders concerning number ranges that are allocated to the Requesting Party, according to the National Numbering Plan published by the TRA.

6.2 Omantel Services for Number Implementation

6.2.1 Omantel implements number resources, and will make them available for Customers directly connected to the Omantel Mobile Network; Omantel will also make the said numbers available for terminating Calls.

6.2.2 Number implementation means implementing of new number resources in the Omantel Mobile Network and changing or disconnecting existing Number resources in the Omantel Mobile Network.

6.2.3 The Number Implementation Service is supplied as two different types:

6.2.3.1 Omantel Number Implementation in a defined time frame - The Service is used when implementation of Number resources is not time-critical. The implementation will be performed at a time chosen as suitable to Omantel within the agreed time frame and the maximum delivery time.

6.2.3.1 Omantel Number implementation at a specific time - The Service is used when the implementation of the Number resources is to be performed on a specific date. This Service makes it possible to implement Number resources with minimal disturbance of the customer base

6.3 Specific Conditions to Type of Number Resources

- 6.3.1 Implementation of the Requesting Party's number range on Omantel Mobile Network is performed with an analysis corresponding to the number of digits which the number range has according to the Numbering Plan published by the TRA.
- 6.3.2 Number for testing purposes - The Requesting Party shall supply Omantel with at least one (1) number for testing purposes. At that number there shall be an automatic answer stating that the call is delivered to the Requesting Party's network and stating the Requesting Party's name. The number for testing purpose is to be permanent.

7 Ordering and Delivery

- 7.1 Ordering and Delivery defined in Annex H shall apply to this Sub Annex in addition to the specific order and delivery terms defined under each Clause in this Sub Annex.

8 Tariff

- 8.1 The up to date tariff for the Services can be found in Annex M.
- 8.2 The cost of additional product features, specialized billing, systems and/or network interfaces, non-standard connectivity and associated configuration, integration and testing are not included in the published tariffs. Such cases will be dealt with on a case-by-case basis against mutual agreed timelines and charges. Omantel shall inform the TRA accordingly and obtain the necessary approvals from it. For the avoidance of doubt, the cost of integration and testing of standard orders is included in the published NRC/set-up fee for the corresponding service and any such charges shall apply to items that could not reasonably be foreseen or in respect to special requirements from the Requesting Party during the provisioning of the services.

9 Fault Management

9.1 Fault Management shall be handled according to Annex H.

10 Forecasts

10.1 Forecasting shall be handled according to Annex F.