



REFERENCE INTERCONNECT OFFER 6

Service Descriptions Part I +II

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PART 1. JOINING SERVICES**1 Footway Box Joining Service****1.1 Description**

- 1.1.1 The Footway Box Joining Service will be provided by the Service Supplier and the Service Taker, in accordance with the terms and conditions of this Agreement.
- 1.1.2 There are two variations of the Footway Box Joining Service namely:
- (a) one Telco ISL to one LIME ISL pair (“Option A”); or
 - (b) one Telco ISL to one half of a C&WJ ISL pair; and
one Telco ISL to the other half of a LIME ISL pair (“Option B”)
- provided always that in each case the Telco ISL(s) and the LIME ISL pair must be within the same Interconnect Access Area.
- 1.1.3 In the case of Option A, the Service will comprise:
- (a) one Optical Fibre run from the Telco ISL to one half of the LIME ISL pair (referred to as route-1); and
 - (b) one Optical Fibre run from the same Telco ISL to the second half of the LIME ISL pair (referred to as route-2)
- provided always that in each case the Telco ISL and the LIME ISL pair must be within the same Interconnect Access Area.
- 1.1.4 In the case of Option B, the Service will comprise:
- (a) one Optical Fibre run from one Telco ISL to one half of the LIME ISL pair (referred to as route-1); and
 - (b) one Optical Fibre run from the other Telco ISL to the second half of the LIME ISL pair (referred to as route-2)
- provided always that in each case the Telco ISLs and the LIME ISL pair must be within the same Interconnect Access Area.
- 1.1.5 A Carrier System comprises a Service Taker CTU, the matching Service Supplier CTU for the relevant route, and the point to point Optical Fibre.
- 1.1.6 In the case of Option A, LIME will have two discrete CTUs; one located in each half of the ISL pair. The Telco may have two discrete CTUs or a single rack containing a consolidated CTU with the necessary optical line equipment for the two sets of fibres plus shared power, racking and other relevant equipment and facilities. Each configuration will have the same functionality and references in this Service Description to Telco CTUs include references to the consolidated Circuit Termination Unit configuration.
- 1.1.7 In the case of Option B, LIME will have two discrete CTUs, one located in each half of the ISL pair. The Telco will have two discrete CTUs, one at each ISL.
- 1.1.8 The Service Supplier of the Footway Box Joining Service can be either LIME or the Telco. In the case of LIME acting as the Service Supplier, Service Taker will be responsible for providing a Footway Box or Footway Boxes adjacent to the Service Taker ISL premises. In the case of Telco acting as the Service Supplier, Service Taker will be responsible for providing a Footway Box at each half of the ISL pair.

The Footway Box will comply with the specification referred to in the technical specifications of the Joint Working Manual.

- 1.1.9 The Carrier System more particularly described in the Joint Working Manual will provide T1 (DS-1) 1.544 Mbps Network Links for Services contained within the Service Schedule in accordance with the configuration described in Paragraph 1.4 of this Service Description.

1.2 Responsibilities

- 1.2.1 Without prejudice to the rights and obligations described elsewhere in this Agreement, each Party shall have the responsibilities set out in this Paragraph 1.2 of this Service Description.
- 1.2.2 In accordance with Clause 3 of the Legal Framework, the Service Supplier will be responsible for planning, providing, operating and maintaining the Footway Box Joining Service up to the Footway Box(es) located adjacent to the Service Taker ISL(s) and the Footway Box(es) shall be the Point(s) of Connection for the purposes of this Agreement. Service Taker will be responsible for pulling the Optical Fibres from the Footway Box(es) to the Service Taker CTUs in the Service Taker ISL(s). Service Taker is responsible for connecting the Optical Fibres to the Service Taker CTUs and connecting the latter to the Service Taker System.
- 1.2.3 In accordance with Clause 16 of the Legal Framework, Service Taker will ensure that all equipment connected to the Service Taker CTU meets the safety standards and other equipment approval requirements set out in the Joint Working Manual.
- 1.2.4 The CTUs shall conform to the standards set out in and other applicable provisions of the Joint Working Manual.
- 1.2.5 Notwithstanding Paragraph 1.2.2 of this Service Description, the Service Supplier will be responsible for monitoring the quality of service, managing and providing management information about the Footway Box Joining Service from the Service Supplier CTUs up to but excluding the corresponding Service Taker CTUs and Service Taker will be responsible for monitoring the quality of service, managing and providing management information for the Service Taker CTU in accordance with the Joint Working Manual and Parameter Schedule. For the avoidance of doubt, this does not include the provision of access to the Service Supplier's or Service Taker's management systems and does not extend or limit the responsibility for planning, providing, operating and maintaining the service referred to in Paragraph 1.2.2 of this Service Description.
- 1.2.6 Each Party will be responsible for agreeing an Order Plan for the T1 (DS-1) Network Links within the Footway Box Joining Service based on the Final Forecast and for provisioning and testing those Network Links in accordance with the Joint Working Manual both at the commencement of this Agreement and on an ongoing basis. For the avoidance of doubt, the new Joining Service will need to be added to the Service Schedule if an agreed Order Plan requires a new Carrier System or new Joining Service to be installed.
- 1.2.7 Where a 1.544 Mbit/s Network Link includes one or more optional 56 Kbit/s Signalling Links, the Service Supplier is responsible for extending each Signalling Link from the Service Supplier CTU to the Service Supplier Signalling Transfer Point and Service Taker is responsible for extending each 56 Kbit/s Signalling Link from the Service Taker CTU to the Service Taker Signalling Transfer Point.

1.3 Quality of Service

- 1.3.1 In accordance with Clause 15 of the Legal Framework, Service Supplier will provide the Footway Box Joining Service 24 hours/day, every day to the Quality of Service levels set out in the Joint Working Manual and Parameter Schedule.
- 1.3.2 Quality of Service levels and Fault Restoration Times for the Footway Box Joining Service will be measured and reported by Service Supplier in accordance with the Joint Working Manual and Parameter Schedule and Service Supplier and Service Taker will periodically review the achieved Quality of Service levels in accordance with the Joint Working Manual.

1.4 Configuration

- 1.4.1 The Footway Box Joining Service will be available at the Service Supplier ISL(s) and Service Taker ISL(s) specified in the Service Schedule.
- 1.4.2 The Footway Box Joining Service comprises either:
- i) two Service Supplier CTUs;
 - ii) two Service Supplier Optical Fibres in ducts;
 - iii) two Service Taker CTUs; and
 - iv) zero, one or more Service Supplier 56 kbit/s Network Signalling Links subject to there being a minimum of two such links in total in place between the Service Supplier System and the Service Taker System.
- 1.4.3 An OC-1 51.84 Mbit/s Carrier System is capable of supporting 28 x T1 (DS-1) 1.544 Mbit/s Network Links and an OC-3 155.52 Mbit/s Carrier System is capable of supporting 84 x T1 (DS-1) 1.544 Mbps Network Links.
- 1.4.4 For the avoidance of doubt, not all of the T1 Network Links in the Carrier System need to be commissioned initially and it will not be necessary to order the full capacity. The number of T1 Network Links that are required from time to time will be dependent on the Final Forecast and resulting Order Plan for the relevant Quarter. Any minimum number of Network Links which need to be commissioned in a relevant Carrier System is specified in the Service Schedule. Where this figure is absent, the default minimum number of Network Links per Carrier System equals the Carrier System capacity. The configuration of the connections described above is for resilience and load sharing purposes and no other connections are permissible. The transmission circuits will be geographically separated in accordance with the specification for diversity set out in the Joint Working Manual.

1.5 Charges

- 1.5.1 The tariffs for the aggregate Charges for the initial implementation of the Footway Box Joining Service, together with amendments to it from time to time are specified in the Tariff Schedule.
- 1.5.2 The Charges for the Footway Box Joining Service are payable pursuant to Clause 9 of the Legal Framework and Paragraph 1.5.4 and 1.5.5 of this Service Description, can be varied in accordance with Clause 10 of the Legal Framework and are in addition to any other Charges payable for Services provided pursuant to this Agreement. Charges are the sum of applicable One-off and Monthly Recurring Charges.
- 1.5.3 One-off Charges may include applicable installation and testing charges for Services

in connection with the implementation of an Order Plan from time to time.

- 1.5.4 Charges for the Footway Box Joining Service will be split equally between Service Supplier and Service Taker with the exception of the Early Termination Charge which is payable by the Party who terminates the service prematurely.
- 1.5.5 The equal split of Charges between Service Supplier and Service Taker means that the Service Taker reimburses the Service Supplier for fifty *per cent* (50%) of the Service Supplier incurred costs and the Service Supplier reimburses the Service Taker for fifty *per cent* (50%) of the Service Taker incurred costs, as set out in the Tariff Schedule.
- 1.5.6 If the provision of Signalling Links is consistent with the dimensioning rule specified in the Joint Working Manual, the tariffs will include all charges for the handling of signalling messages required based on the specification of this Service. For the avoidance of doubt, this does not include Roaming Messages and SMS messages.
- 1.5.7 For the avoidance of doubt, the Tariff Schedule does not include any sums that may be payable by either Party as a result of inaccurate forecasts and delays to provisioning and testing. Any such sums will be calculated and charged for in accordance with the Joint Working Manual.

1.6 Billing

- 1.6.1 In accordance with Clause 11.4 of the Legal Framework, the billing arrangements set out below will apply to the Footway Box Joining Service.
- 1.6.2 Subject to Paragraph 1.6.3 of this Service Description, for Charges for the Footway Box Joining Service (other than One-off Charges for installation and testing), the Service Supplier will invoice the Service Taker for the Service Taker's share of the Service Supplier's Charges. The Service Taker will invoice the Service Supplier for the Service Taker's share of the Service Supplier's Charges.
- 1.6.3 At the end of the first twelve months and at the end of each year thereafter, the Service Supplier will prepare a reconciliation statement showing the adjustments (if any) to be made to the Charges pursuant to Paragraph 1.5.5 of this Service Description. The relevant Party will invoice the other for any sums due as the result of any overpayment by that Party.

– **End of Service Description** –

1 Non-Footway Box Joining Service

1.1 Description

- 1.1.1 The Non-Footway Box Joining Service will be provided by the Service Supplier to the Service Taker, in accordance with the terms and conditions of this Agreement.
- 1.1.2 There are two variations of the Non-Footway Box Joining Service namely:
- (a) one Telco ISL to one LIME ISL pair (“Option A”); or
 - (b) one Telco ISL to one half of a LIME ISL pair; and one Telco ISL to the other half of a LIME ISL pair (“Option B”) provided always that in each case the Telco ISLs and the LIME ISL pair must be within the same Interconnect Access Area
- 1.1.3 In the case of Option A, the service will comprise:
- (a) one Optical Fibre run from the Telco ISL to one half of the LIME ISL pair (referred to as route-1); and
 - (b) one Optical Fibre run from the same Telco ISL to the second half of the LIME ISL pair (referred to as route-2).
- provided always that in each case the Telco ISL and the LIME ISL pair must be within the same Interconnect Access Area.
- 1.1.4 In the case of Option B, the service will comprise:
- (a) one Optical Fibre run from one Telco ISL to one half of the LIME ISL pair (referred to as route-1); and
 - (b) one Optical Fibre run from the other Telco ISL to the second half of the LIME ISL pair (referred to as route-2)
- provided always that in each case the Telco ISLs and the LIME ISL must be within the same Interconnect Access Area.
- 1.1.5 A Carrier System comprises a CTU on the Service Taker’s ISL premises, the matching Service Supplier CTU for the relevant route, and the point to point Optical Fibre.
- 1.1.6 In the case of Option A, LIME will have two discrete CTUs; one located in each half of the LIME ISL pair. There may be two discrete CTUs on the Service Taker’s premises or a single rack containing a consolidated CTU with the necessary optical line equipment for the two sets of fibres plus shared power, racking and other relevant equipment and facilities. Each configuration will have the same functionality and references in this Service Description to CTUs on the Telco’s premises include a reference to the consolidated CTU configuration.
- 1.1.7 In the case of Option B, LIME will have two discrete CTUs, one located in each half of the LIME ISL pair. There will be two discrete CTUs on the Telco’s premises, one at each ISL.
- 1.1.8 The Carrier System more particularly described in the technical specifications chapter of the Joint Working Manual will provide T1 (DS-1) 1.544 Mbps Network Links for Services contained within the Service Schedule in accordance with the configuration described in Paragraph 1.4 of this Service Description.

1.2 Responsibilities

- 1.2.1 Without prejudice to the rights and obligations described elsewhere in this Agreement, each Party shall have the responsibilities set out in this Paragraph 1.2 of this Service Description.
- 1.2.2 In accordance with Clause 3 of the Legal Framework, the Service Supplier will be responsible for planning, and installing the Non-Footway Box Joining Service up to the CTU Patch Panel Frame located on the Service Taker CTU in the Service Taker's premises and subsequently for operating and maintaining the Non-Footway Box Joining Service up to Point of Connection and the Point of Connection shall be the terminated Optical Fibre at the Service Taker's premises. On payment in full for the CTUs situated on the Service Taker's premises, risk in and ownership of the relevant CTUs will pass.
- 1.2.3 Service Supplier will be responsible for connecting the Optical Fibres to the Service Taker CTUs and connecting the latter to the CTU Patch Panel Frame. Service Taker will connect the CTU Patch Panel Frame to the Switch Port.
- 1.2.4 In accordance with Clause 16 of the Legal Framework, Service Taker will ensure that all equipment to be connected to the CTUs on the Service Taker's premises meets the safety standards and other equipment approval requirements set out in the Joint Working Manual.
- 1.2.5 The CTUs shall conform to the standards set out in and other applicable provisions of the Joint Working Manual.
- 1.2.6 Notwithstanding Paragraph 1.2.2 of this Service Description, the Service Supplier will be responsible for monitoring the quality of service, managing and providing management information about the Non-Footway Box Joining Service from the Service Supplier CTUs up to but excluding the corresponding CTUs in the Service Taker's premises and Service Taker will be responsible for monitoring the quality of service, managing and providing management information for the CTUs in the Service Taker's premises in accordance with the Joint Working Manual and Parameter Schedule. For the avoidance of doubt, this does not include the provision of access to the Service Supplier's or Service Taker's management systems and does not extend or limit the responsibility for planning, providing, operating and maintaining the service referred to above.
- 1.2.7 Each Party will be responsible for agreeing an Order Plan for the T1 (DS-1) Network Links within the Non-Footway Box Joining Service based on the Final Forecast and for provisioning and testing those Network Links in accordance with the Joint Working Manual both at the commencement of this Agreement and on an on-going basis. For the avoidance of doubt, the new Joining Service will need to be added to the Service Schedule if an agreed Order Plan requires a new Carrier System or a new Joining Service to be installed.
- 1.2.8 In accordance with Clause 16 of the Legal Framework, Service Taker will ensure that appropriate arrangements are made for access to Service Taker's premises by Service Supplier personnel and for any Service Supplier equipment that is on the Service Taker's premises.
- 1.2.9 Where a 1.544 Mbit/s Network Link includes one or more optional 56 Kbit/s Signalling Links, the Service Supplier is responsible for extending each Signalling Link from the Service Supplier CTU to the Service Supplier Signalling Transfer Point

and Service Taker is responsible for extending each 56kbit/s Signalling Link from the Service Taker CTU to the Service Taker Signalling Transfer Point.

1.3 Quality of Service

- 1.3.1 In accordance with Clause 15 Framework, Service Supplier will provide the Non Footway Box Joining Service 24 hours/day, every day to the Quality of Service levels set out in the Joint Working Manual and Parameter Schedule.
- 1.3.2 Quality of Service levels and Fault Restoration Times for the Non Footway Box Joining Service will be measured and reported by Service Supplier in accordance with the Joint Working Manual and Parameter Schedule and Service Supplier and Service Taker will periodically review the achieved quality parameters in accordance with the Joint Working Manual.

1.4 Configuration

- 1.4.1 The Non-Footway Box Joining Service will be available at the Service Supplier ISL(s) and Service Taker ISL(s) specified in the Service Schedule.
- 1.4.2 The Non-Footway Box Joining Service comprises:
- i) two Service Supplier CTUs;
 - ii) two Service Supplier Optical Fibres in ducts;
 - iii) two CTUs in Service Taker's premises; and
 - iv) zero, one or more Service Supplier 56 kbit/s Network Signalling Links subject to there being a minimum of two such links in total in place between the Service Supplier System and Service Taker System.
- 1.4.3 An OC-1 51.84 Mbit/s Carrier System is capable of supporting 28 x T1 (DS-1) 1.544 Mbps Network Links, an OC-3 155.52 Mbit/s Carrier System is capable of supporting 84 x T1 (DS-1) 1.544 Mbps Network Links.
- 1.4.4 For the avoidance of doubt, not all of the T1 Network Links in the Carrier System need to be commissioned initially and it will not be necessary to order the full capacity. The number of T1 Network Links that are required from time to time will be dependent on the Final Forecast and the resulting Order Plan for the relevant Quarter. Any minimum number of Network Links which need to be commissioned in a Carrier System is specified in the Service Schedule. Where this figure is absent, the default minimum number of Network Links per Carrier System equals the Carrier System capacity. The configuration of the connections described above is for resilience and load sharing purposes and no other connections are permissible. The transmission circuits will be geographically separated in accordance with the specification for diversity set out in the Joint Working Manual.

1.5 Charges

- 1.5.1 The tariffs for the Charges for the Non-Footway Box Joining Service are specified in the Tariff Schedule.
- 1.5.2 The Charges for the Non-Footway Box Joining Service are payable in accordance with Clause 9 of the Legal Framework and Paragraphs 1.5.4 and 1.5.5 of this Service Description, can be varied in accordance with Clause 10 of the Legal Framework, and are in addition to any other Charges payable for Services provided pursuant to this Agreement. Charges are the sum of applicable One-off Charges and Monthly

Recurring Charges.

- 1.5.3 One-off Charges may include applicable installation and testing charges. For the avoidance of doubt, the Service Taker shall also pay the Service Supplier for the equipment installed and to be transferred to the Service Taker pursuant to Paragraph 1.2.2 of this Service Description.
- 1.5.4 Charges for the Non-Footway Box Joining Service will be split equally between Service Supplier and Service Taker with the exception of the Early Termination Charge which is payable by the Party who terminates the service prematurely.
- 1.5.5 The equal split of charges between Service Supplier and Service Taker means that the Service Taker reimburses the Service Supplier for fifty *per cent* (50%) of the Service Supplier incurred costs and the Service Supplier reimburses the Service Taker for fifty *per cent* (50%) of the Service Taker incurred costs, as set out in the Tariff Schedule.
- 1.5.6 If the provision of Signalling Links is consistent with the dimensioning rule specified in the Joint Working Manual, the tariffs will include all Charges for the handling of signalling messages required based on the specification of this Service. For the avoidance of doubt, this does not include Roaming Messages or SMS messages.
- 1.5.7 For the avoidance of doubt, the Tariffs Schedule does not include any sums that may be payable by either Party as a result of inaccurate forecasts and delays to provisioning and testing. Any such sums will be calculated and charged for in accordance with the Joint Working Manual.

1.6 Billing

- 1.6.1 In accordance with Clause 11.4 of the Legal Framework, the billing arrangements set out below will apply to the Non-Footway Box Joining Service.
- 1.6.2 Subject to Paragraph 1.6.3 of this Service Description, for Charges for the Non-Footway Box Joining Service (other than One-off Charges for installation and testing), the Service Supplier shall invoice the Service Taker for the Service Taker's share of the Service Supplier's Charges. The Service Supplier shall invoice for the equipment to be transferred to the Service Taker pursuant to Paragraph 1.2.2 of this Service Description.
- 1.6.3 At the end of the first twelve months and at the end of each year thereafter, the Service Supplier will prepare a reconciliation statement showing the adjustments (if any) to be made to the Charges pursuant to Paragraph 1.5.5 of this Service Description. The relevant Party will invoice the other for any sums due as the result of any overpayment by that Party.

– **End of Service Description** –

1 Small Capacity Joining Service

1.1 Description

- 1.1.1 The Small Capacity Joining Service will be provided by the Service Supplier to the Service Taker, in accordance with the terms and conditions of this Agreement.
- 1.1.2 There are two options for the Small Capacity Joining Service namely:
- (a) one Telco ISL or Telco Virtual ISL to one LIME ISL pair
 - (b) one Telco ISL or Telco Virtual ISL to one half of a LIME ISL pair; and
Second Telco ISL or Telco Virtual ISL to the second half of a LIME ISL pair
all within the same Interconnect Access Area.
- 1.1.3 In the case of Option A, the service will comprise:
- one Small Capacity Transmission Medium from the Telco ISL or Telco Virtual ISL to one half of the LIME ISL pair (route-1), a Service Supplier CTU and a CTU on the Telco's premises; and
 - one Small Capacity Transmission Medium from the same Telco ISL or Telco Virtual ISL to the second half of the LIME ISL pair (route-2), a Service Supplier CTU and a CTU on the Telco's premises
all within the same Interconnect Access Area.
- 1.1.4 In the case of Option B, the service will comprise:
- one Small Capacity Transmission Medium from the first Telco ISL or Telco Virtual ISL to one half of the LIME ISL pair (route-1)), a Service Supplier CTU and a CTU on the Telco's premises; and
 - one Small Capacity Transmission Medium from the second Telco ISL or Telco Virtual ISL to the second half of the LIME ISL pair (route-2)), a Service Supplier CTU and a CTU on the Service Taker's premises.
all within the same Interconnect Access Area.
- 1.1.5 A Carrier System comprises a Service Supplier Circuit Termination Unit which is located at the Service Supplier ISL, the matching Circuit Termination Unit which is located at the Service Taker ISL or Virtual ISL, and the Small Capacity Transmission Medium. All Termination Units are procured, installed and maintained by Service Supplier.
- 1.1.6 The Carrier System more particularly described in the Joint Working Manual will provide T1 (DS-1) 1.544 Mbps Network Links for Services contained within the Service Schedule in accordance with the configuration described in Paragraph 1.4 of this Service Description.
- 1.1.7 The technical standards and operational processes that apply to the Small Capacity Joining Service are defined in the Joint Working Manual and Parameter Schedule.

1.2 Responsibilities

- 1.2.1 Without prejudice to the rights and obligations described elsewhere in this Agreement, each Party shall have the responsibilities set out in this Paragraph 1.2 of this Service Description.
- 1.2.2 Service Supplier will be responsible for planning, providing, operating and maintaining the Small Capacity Joining Service up to and including the Service Taker Circuit Termination Unit(s) located in the Telco ISL or Telco Virtual ISL and

the Point of Connection shall be the patch panel frame at the CTU as per the Footway Box and Non-footway box Joining Service.

- 1.2.3 Service Taker will be responsible for providing secure site access within the Service Taker ISL premises in accordance with Clause 16.2 of the Legal Framework and the Joint Working Manual, suitable for the installation and maintenance of one or more Circuit Termination Units on the Service Taker's premises.
- 1.2.4 Service Taker will be responsible for connecting the Service Taker Virtual ISL to the Service Taker ISL, if appropriate.
- 1.2.5 In accordance with Clause 16 of the Legal Framework, Service Taker will ensure that all equipment connected to the CTU on the Service Taker's premises meets the safety standards and other equipment approval requirements set out in the Joint Working Manual.
- 1.2.6 Notwithstanding Paragraph 1.2.2 of this Service Description, the Service Supplier will be responsible for monitoring the quality of service, managing and providing management information about the Small Capacity Joining Service from the Service Supplier CTUs up to and including the corresponding CTUs on the Service Taker's premises. The Service Taker will be responsible for monitoring the quality of service, managing and providing management information from the CTU located at the Telco ISL or Telco Virtual ISL in accordance with the Joint Working Manual and Parameter Schedule. For the avoidance of doubt, this does not include the provision of access to the Service Supplier's or Service Taker's management systems and does not extend or limit the responsibility for planning, providing, operating and maintaining the service referred to in Paragraph 1.2.2 of this Service Description.
- 1.2.7 Each Party will be responsible for agreeing an Order Plan for the T1 (DS-1) Network Links within the Small Capacity Joining Service based on the Final Forecast and for provisioning and testing those Network Links in accordance with the Joint Working Manual both at the commencement of this Agreement and on an ongoing basis. For the avoidance of doubt, the new Joining Service will need to be added to the Service Schedule if an agreed Order Plan requires a new Carrier System or new Joining Service to be installed.
- 1.2.8 Where a 1.544 Mbit/s Network Link includes one or more optional 56 Kbit/s Signalling Links, the Service Supplier is responsible for extending each Signalling Link from the Service Supplier CTU to the Service Supplier Signalling Transfer Point. Service Taker is responsible for extending each 56 Kbit/s Signalling Link from the CTU on the Service Taker's premises to the Service Taker Signalling Transfer Point.
- 1.2.9 Service Taker is responsible for providing the terminated jumpers for connecting the CTUs on the Service Taker premises to the Service Taker System.
- 1.2.10 Service Taker is responsible for providing a suitable environment for the CTUs on the Service Taker's premises in accordance with the manufacturer's specifications and the Joint Working Manual.
- 1.2.11 Service Taker will ensure that all equipment connected to the CTU on the Service Taker's premises meets the safety standards and other equipment approval requirements set out in the Joint Working Manual.

1.3 Quality of service

- 1.3.1 In accordance with Clause 15 of the Legal Framework, Service Supplier will provide the Small Capacity Joining Service 24 hours/day, every day to the Quality of Service levels set out in the Joint Working Manual and Parameter Schedule.
- 1.3.2 Quality of Service levels and Fault Restoration Times for the Small Capacity Joining Service will be measured and reported by Service Supplier in accordance with the Joint Working Manual and Parameter Schedule and Service Supplier and Service Taker will periodically review the achieved Quality of Service levels in accordance with the Joint Working Manual.

1.4 Configuration

1.4.1 The Small Capacity Joining Service will be available at the Service Supplier ISLs and the Service Taker ISLs or Service Taker Virtual ISLs specified in the Service Schedule.

1.4.2 For Option A the Small Capacity Joining Service comprises:

- i) two Service Supplier CTUs one located at each half of the Service Supplier ISL pair, two CTUs at the Service Taker ISL or Virtual ISL
- ii) two Service Supplier Small Capacity Transmission Medium
- iii) zero, one or more Service Supplier 56 kbit/s Network Signalling Links subject to there being a minimum of two such links in total in place between the Service Supplier and Service Taker networks.

For Option B the Small Capacity Joining Service comprises:

- i) two Service Supplier CTUs one located at each half of the Service Supplier ISL pair.
- ii) two CTUs at the Service Taker's premises, one located at each Service Taker ISL or Virtual ISL.
- iii) two Service Supplier Small Capacity Transmission Medium
- iv) zero, one or more Service Supplier 56 kbit/s Network Signalling Links subject to there being a minimum of two such links in total in place between the Service Supplier and Service Taker networks.

1.4.3 The Small Capacity Transmission Medium are:

Radio	A radio Carrier System will support a minimum of 12 x T1 (DS-1) 1.544 Mbps Network Links
Copper	A copper Carrier System will support a minimum of 1 x T1 (DS-1) 1.544 Mbps and a maximum of 20 x T1 (DS-1) 1.544 Mbps Network Links

1.4.4 In the case of Radio Small Capacity Transmission Medium, these will be point to point dedicated systems between the Service Supplier ISL and Service Taker ISL or Virtual ISL. Radio Small Capacity Transmission Medium is only available if and for as long as the Service Supplier has the appropriate spectrum licence and in circumstances where the Service Taker's premises are situated within an appropriate distance of and with appropriate line of sight from the Service Supplier ISL pair.

- 1.4.5 In the case of Copper Small Capacity Transmission Medium, this medium will be connected to the Service Supplier backbone network at a convenient point for onward transmission to the Service Supplier ISL.
- 1.4.6 The number of T1 Network Links that are required from time to time will be dependent on the Final Forecast and resulting Order Plan for the relevant Quarter. The configuration of the connections described above is for resilience and load sharing purposes and no other connections are permissible. The transmission circuits will be geographically separated in accordance with the specification for diversity set out in the Joint Working Manual.
- 1.4.7 The Service Schedule specifies the:
- i) Service Supplier Interconnect Switch Locations
 - ii) type of Carrier Systems between Service Supplier and Service Taker
 - iii) point at which responsibility is handed over between Parties, namely the Point of Connection.

1.5 Tariffs

- 1.5.1 The tariffs for the Charges for the Small Capacity Joining Service are specified in the Tariff Schedule.
- 1.5.2 The Charges for the Small Capacity Joining Service are payable pursuant to Clause 9 of the Legal Framework and Paragraph 1.5.4 and 1.5.5 of this Service Description, can be varied in accordance with Clause 10 of the Legal Framework and are in addition to any other Charges payable for Services provided pursuant to this Agreement. Charges are the sum of applicable One-off and Monthly Recurring Charges.
- 1.5.3 One-off Charges may include applicable installation and testing charges for Services in connection with the implementation of an Order Plan from time to time.
- 1.5.4 In the case that masts are or subsequently become shared, monthly recurring costs will be or become shared.
- 1.5.5 Charges for the Small Capacity Joining Service will be split equally between Service Supplier and Service Taker with the exception of the Early Termination Charge which is payable by the Party who terminates the service prematurely.
- 1.5.6 The equal split of charges between Service Supplier and Service Taker means that the Service Taker reimburses the Service Supplier for fifty *per cent* (50%) of the Service Supplier incurred costs and the Service Supplier reimburses the Service Taker for fifty *per cent* (50%) of the Service Taker incurred costs, as set out in the Tariff Schedule.
- 1.5.7 If the provision of Signalling Links is consistent with the dimensioning rule specified in the Joint Working Manual, the tariffs will include all charges for the handling of signalling messages required based on the specification of this Service. For the avoidance of doubt, this does not include Roaming Messages and SMS messages.
- 1.5.8 For the avoidance of doubt, the Tariffs Schedule does not include any sums that may be payable by either Party as a result of inaccurate forecasts and delays to provisioning and testing. Any such sums will be calculated and charged for in accordance with the Joint Working Manual.

1.6 Billing

- 1.6.1 In accordance with Clause 11.4 of the Legal Framework, the billing arrangements set out below will apply to the Small Capacity Joining Service.
- 1.6.2 For Charges for the Small Capacity Joining Service (other than One-off Charges for installation and testing), the Service Supplier shall invoice the Service Taker for the Service Taker's share of the Service Supplier's Charges.
- 1.6.3 At the end of the first twelve months and at the end of each year thereafter, the Service Supplier will prepare a reconciliation statement showing the adjustments (if any) to be made to the Charges pursuant to Paragraph 1.5.5 of this Service Description. The relevant Party will invoice the other for any sums due as the result of any overpayment by that Party.

- **End of Service Description** -

PART 2. TERMINATION SERVICES

1 PSTN Terminating Access Service

1.1 Description

- 1.1.1 The PSTN Terminating Access Service will be provided by the Service Supplier to the Service Taker, in accordance with the terms and conditions of this Agreement.
- 1.1.2 The PSTN Terminating Access Service will provide conveyance of Calls addressed to valid number ranges associated with the Service Supplier PSTN Subscriber Connections from Service Taker PSTN Subscriber Connections or Service Taker Mobile Subscriber Connections from the Point Of Connection defined by the Joining Service to the applicable Service Supplier PSTN Subscriber Connections, via the Service Supplier PSTN.
- 1.1.3 The valid number ranges associated with the Service Supplier PSTN Subscriber Connections and associated ISLs are listed in the Service Schedule. The list will be amended from time to time to include any additional numbers to which Calls are to be conveyed pursuant to this Service Description or to remove numbers. The process for adding or removing numbers is specified in the Joint Working Manual.
- 1.1.4 For the avoidance of doubt, Calls to numbers associated with Special Access Services or Service Supplier ISDN Subscriber Connections are not conveyed pursuant to this Service Description. Calls originating outside Jamaica are not conveyed pursuant to this Service Description.
- 1.1.5 The PSTN Terminating Access Service can only be provided in conjunction with a Joining Service. Sufficient dedicated capacity must be in place within the relevant Joining Service to handle the traffic in accordance with the Joint Working Manual.
- 1.1.6 The technical standards for voice telephony, operational processes and billing processes are described in the Joint Working Manual

1.2 Service Specific Responsibilities

- 1.2.1 Without prejudice to the responsibilities described elsewhere in this Agreement, each Party shall have the responsibilities set out in this Paragraph 1.2 of this Service Description.
- 1.2.2 Service Supplier will be responsible for the metering and billing necessary to charge Service Taker for all Calls passed by Service Taker to the Service Supplier PSTN using the PSTN Terminating Access Service in accordance with the Joint Working Manual
- 1.2.3 Service Supplier will be responsible for monitoring the service quality, managing and providing management information about the PSTN Terminating Access Service from the Point of Connection to the Service Supplier PSTN Subscriber Connection and Service Taker will be responsible for monitoring the service quality, managing and providing management information about the PSTN Terminating Access Service from the Service Taker PSTN Subscriber Connections or Service Taker Mobile Subscriber Connection to the Point of Connection in accordance with the Joint Working Manual. For the avoidance of doubt, access to the Service Supplier's or Service Taker's management systems will not be provided.

- 1.2.4 Service Taker will be responsible for forecasting usage of the PSTN Terminating Access Service in accordance with the Joint Working Manual.
- 1.2.5 Service Taker will be responsible for validating the called number according to the National Numbering Scheme and the valid number ranges associated with the PSTN Subscriber Connections in the Service Schedule. In accordance with Clause 8.2, Service Supplier will be under no obligation to convey Calls pursuant to this Service Description that are not part of the applicable Service Supplier Numbering Ranges.
- 1.2.6 Service Taker will be responsible for managing any end-to-end services provided by Service Taker to Service Taker PSTN Subscriber Connections or Service Taker Mobile Subscriber Connections that use the PSTN Terminating Access Service.

1.3 Quality of service

- 1.3.1 In accordance with Clause 15 of the Legal Framework, Service Supplier will provide the PSTN Terminating Access Service 24 hours/day, every day, to the Quality of Service levels set out in the Joint Working Manual and Parameter Schedule.
- 1.3.2 Quality of Service levels and Fault Restoration Times for the PSTN Terminating Access Service will be measured and reported in accordance with the Joint Working Manual and Parameter Schedule. Service Supplier and Service Taker will periodically review the achieved quality parameters in accordance with the Joint Working Manual.

1.4 Configuration

- 1.4.1 The PSTN Terminating Access Service will be available at the Service Supplier ISLs or Virtual ISLs specified in the Service Schedule.
- 1.4.2 Service Taker will deliver traffic in Trunk Groups at each Point of Connection where the PSTN Terminating Access Service is offered and required and will route Calls in accordance with the routing scheme and principles described in the Joint Working Manual and the Parameter Schedule.

1.5 Charges

- 1.5.1 The tariffs for Charges for the PSTN Terminating Access Service are specified in the Tariffs Schedule.
- 1.5.2 The charges for the PSTN Terminating Access Service are payable in accordance with Clause 9 of the Legal Framework, can be varied in accordance with Clause 10 of the Legal Framework and are in addition to any other Charges payable for Services provided pursuant to this Agreement. Charges are the sum of applicable Usage Charges.
- 1.5.3 Usage Charges include:
- Call Setup Charges;
 - Interconnect Specific Charges depending on duration;
 - Call Duration Charges depending on distance, duration and Tariff Period; and
- 1.5.4 The Local Rate tariff for Usage Charges will apply to Answered Calls where Service Taker routes the Call to a Service Supplier PSTN Subscriber Connection which is directly connected to the Service Supplier ISL.
- 1.5.5 The National Rate tariff for Usage Charges will apply to Answered Calls where

Service Taker routes the Call to a Service Supplier ISL in an Interconnect Access Area other than where the Service Supplier PSTN Subscriber Connection is located.

- 1.5.6 The Regional Rate tariff for Usage Charges will apply to Answered Calls where Service Taker routes the Call to a Service Supplier ISL in the Interconnect Access Area where the Service Supplier PSTN Subscriber Connection is located other than the ISL itself.
- 1.5.7 For each Answered Call, the Call Set-up Charge will be applicable when Call Start occurs.
- 1.5.8 The duration of an Answered Call will be measured from Call Start to Call End. The duration of an Answered Call will be logged by Service Supplier and the number of Time Units that shall apply will be calculated by Service Supplier. For each Answered Call, the duration will be measured to an accuracy of a Time Unit.
- 1.5.9 The start and end times of the peak, off-peak and weekend periods are defined in the Tariffs Schedule. Answered Calls passing the peak / off-peak / weekend borders will be calculated according to the corresponding tariffs by splitting the duration into the relevant periods.
- 1.5.10 If the provision of Signalling Links is consistent with the dimensioning rule specified in the Joint Working Manual, the tariffs will include all charges for the handling of signalling messages required based on the specification of this Service. For the avoidance of doubt, this does not include Roaming Messages and SMS Messages.
- 1.5.11 For the avoidance of doubt, the Tariffs Schedule does not include any sums that may be payable by Service Taker as a result of inaccurate forecasts of the PSTN Terminating Access Service and for delays to provisioning and acceptance testing. Any such sums will be calculated and charged for in accordance with the Joint Working Manual. Neither does it include any sums that may be payable pursuant to Clause 8.2 of the Legal Framework.

- **End of Service Description**

1 PLMN Terminating Access Service

1.1 Description

- 1.1.1 The PLMN Terminating Access Service will be provided by the Service Supplier to the Service Taker, in accordance with the terms and conditions of this Agreement.
- 1.1.2 The PLMN Terminating Access Service will provide conveyance of Calls addressed to valid number ranges associated with the Service Supplier Mobile Subscriber Connections from Service Taker Subscriber Connections or from Subscriber Connections of a Third Party Fixed Telecoms Provider or a Third Party Mobile Telecoms Provider conveyed pursuant to the PSTN Transit Service from the Point of Connection defined by the Joining Service to the Service Supplier Mobile Subscriber Connections, via the Service Supplier PLMN.
- 1.1.3 The valid number ranges associated with the Service Supplier Mobile Subscriber Connections are listed in the Service Schedule. The list will be amended from time to time to include any additional numbers to which Calls are to be conveyed pursuant to this Service Description or to remove numbers. The process for adding or removing numbers is specified in the Joint Working Manual.
- 1.1.4 For the avoidance of doubt, Calls to Service Supplier Mobile Subscriber Connections from Third Party International Telecom Providers and Calls to Service Supplier Personal Number Connections are not conveyed pursuant to this Service Description.
- 1.1.5 The PLMN Terminating Access Service can only be provided in conjunction with a Joining Service. Sufficient dedicated capacity must be in place within the relevant Joining Service to handle the traffic in accordance with the Joint Working Manual.
- 1.1.6 The technical standards for voice telephony, operational processes and billing processes are described in the Joint Working Manual.

1.2 Service Specific Responsibilities

- 1.2.1 Without prejudice to the responsibilities described elsewhere in this Agreement, each Party shall have the responsibilities set out in this Paragraph 1.2 of this Service Description.
- 1.2.2 Service Supplier will be responsible for the metering and billing necessary to charge Service Taker for all Calls passed by Service Taker to the Service Supplier PLMN using the PLMN Terminating Access Service in accordance with the Joint Working Manual.
- 1.2.3 Service Supplier will be responsible for monitoring service quality, managing and providing management information about the PLMN Terminating Access Service from the Point of Connection to the Service Supplier Mobile Subscriber Connection and Service Taker will be responsible for monitoring the service quality, managing and providing management information about the PLMN Terminating Access Service from the Service Taker PSTN Subscriber Connection or Point of Handover (as the case may be) to the Point of Connection in accordance with the Joint Working Manual. For the avoidance of doubt, access to the Service Supplier's or Service Taker's management systems will not be provided.
- 1.2.4 Service Taker will be responsible for forecasting usage of the PLMN Terminating

Access Service in accordance with the Joint Working Manual.

- 1.2.5 Service Taker will be responsible for validating the called number according to the National Numbering Scheme and the valid number ranges associated with the Mobile Subscriber Connections in the Service Schedule. In accordance with Clause 8.2, Service Supplier will be under no obligation to convey Calls pursuant to this Service Description that are not part of the applicable Service Supplier Numbering Ranges.
- 1.2.6 Service Taker will be responsible for managing any end-to-end Services provided by Service Taker to Service Taker PSTN Subscriber Connections that use the PLMN Terminating Access Service.

1.3 Quality of service

- 1.3.1 In accordance with Clause 15 of the Legal Framework, Service Supplier will provide the PLMN Terminating Access Service 24 hours/day, every day, to the Quality of Service levels set out in the Joint Working Manual and Parameter Schedule.
- 1.3.2 Quality of Service levels and Fault Restoration Times for the PLMN Terminating Access Service will be measured and reported in accordance with the Joint Working Manual and Parameter Schedule. Service Supplier and Service Taker will periodically review the achieved quality parameters in accordance with the Joint Working Manual.
- 1.3.3 For Calls that have been transited through the Service Taker network, Service Taker is not responsible for the quality of the Third Party Fixed Telecoms Provider or the Third Party Mobile Telecom Provider involved in conveyance of the Call prior to the Point of Handover.

1.4 Configuration

- 1.4.1 The PLMN Terminating Access Service will be available at the Service Supplier ISLs or Virtual ISLs specified in the Service Schedule.
- 1.4.2 Service Taker will deliver traffic in Trunk Groups at each Point of Connection where the PLMN Terminating Access Service is offered and required and will route Calls in accordance with the routing scheme and principles described in the Joint Working Manual and the Parameter Schedule.

1.5 Charges

- 1.5.1 The tariffs for the charges for the PLMN Terminating Access Service are specified in the Tariffs Schedule.
- 1.5.2 The Charges for the PLMN Terminating Access Service are payable in accordance with Clause 9 of the Legal Framework, can be varied in accordance with Clause 10 of the Legal Framework and are in addition to any other Charges payable for Services provided pursuant to this Agreement. Charges are the sum of applicable Usage Charges.
- 1.5.3 Usage Charges include:
- Call Duration Charges depending on duration, Tariff Period and whether originated from a PSTN Subscriber Connection, a Third Party Fixed Telecom Provider's PSTN or a Third Party Mobile Telecom Provider's PLMN; and
 - The Local, Regional or National Rate Retention according to duration and Tariff Period charged by the Service Taker including an Interconnect Specific Cost;

- 1.5.4 For Calls from Service Taker PSTN Subscriber Connections, the National Retention tariff will apply to Answered Calls where the Service Taker routes the Call to the Service Supplier ISL in an Interconnect Access Area other than where the Service Taker PSTN Subscriber Connection is located.
- 1.5.5 For Calls from Service Taker PSTN Subscriber Connections, the Local Retention tariff will apply to Answered Calls where the Service Taker routes the Call from the Service Taker ISL to which the Service Taker PSTN Subscriber Connection is directly connected to the Service Supplier ISL in the same Interconnect Access Area.
- 1.5.6 For all other Calls, the Regional Retention rate will apply.
- 1.5.7 For each Answered Call, the Call Setup Charge will be applicable when Call Start occurs.
- 1.5.8 The duration of an Answered Call will be measured from Call Start to Call End. The duration of an Answered Call will be logged by Service Supplier and the number of Time Units that shall apply will be calculated by Service Supplier. For each Answered Call, the duration will be measured to an accuracy of a Time Unit.
- 1.5.9 The start and end times of the peak, off-peak and weekend periods are defined in the Tariffs Schedule. Answered Calls passing the peak / off-peak / weekend borders will be calculated according to the corresponding tariffs by splitting the duration into the relevant periods.
- 1.5.10 If the provision of Signalling Links is consistent with the dimensioning rule specified in the Joint Working Manual, the tariffs will include all charges for the handling of signalling messages required based on the specification of this Service. For the avoidance of doubt, this does not include Roaming Messages and SMS messages.
- 1.5.11 For the avoidance of doubt, the Tariffs Schedule does not include any sums that may be payable by the Service Taker as a result of inaccurate forecasts of the PLMN Terminating Access Service and for delays to provisioning and acceptance testing. Any such sums will be calculated and charged for in accordance with the Joint Working Manual. Neither does it include any sums payable pursuant to Clause 8.2 of the Legal Framework.

- End of Service Description -

Incoming International Call Termination Service

1.1 Description

- 1.1.1 The Incoming International Call Termination Service will be provided by the Service Supplier to the Service Taker, in accordance with the terms and conditions of this Agreement.
- 1.1.2 The Incoming International Call Termination Service provides conveyance from the Service Taker's System of International Incoming Termination Calls addressed to:
- i) valid geographic number ranges associated with the Service Supplier PSTN Subscriber Connections; or
 - ii) valid number ranges associated with the Service Supplier Mobile Subscriber Connections; or
 - iii) valid number ranges associated with Subscriber Connections of either (a) a Third Party Mobile Telecom Provider who has signed a current and valid interconnection agreement with the Service Supplier or (b) a Third Party Fixed Telecom Provider who has signed a current and valid interconnection agreement with the Service Supplier.

Such International Incoming Termination Calls shall be conveyed from the Service Taker's System, from the Point of Connection defined by the Joining Service, to either (a) the applicable Service Supplier Mobile Subscriber Connections or Service Supplier PSTN Subscriber Connections, or (b) to the Point of Handover to the System of the applicable Third Party Mobile Telecom Provider or Third Party Fixed Telecom Provider, in each case via the Service Supplier PSTN.

- 1.1.3 The valid number ranges associated with the Service Supplier Subscriber Connections and the Service Supplier Mobile Subscriber Connections and the relevant Third Party Mobile Telecom Provider's Subscriber Connections and the relevant Third Party Fixed Telecom Provider's Subscriber Connections are listed in the Service Schedule. The list will be amended from time to time to include any additional numbers to which Calls are to be conveyed pursuant to this Service Description or to remove numbers. The process for adding or removing numbers is specified in the Joint Working Manual. For the avoidance of doubt, Calls to numbers associated with Special Access Services are not conveyed pursuant to this service description.
- 1.1.4 The Incoming International Call Termination Service can only be provided in conjunction with a Joining Service. Sufficient dedicated capacity must be in place within the relevant Joining Service to handle the traffic in accordance with the Joint Working Manual.
- 1.1.5 The technical standards for voice telephony, operational processes and billing processes are described in the Joint Working Manual.
- 1.1.6 All International Incoming Termination Calls must be presented by the Service Taker to the Point of Connection as conventional circuit switched voice traffic. Calls ultimately terminating outside of Jamaica are not conveyed pursuant to this service description.

1.2 Service Specific Responsibilities

- 1.2.6 Without prejudice to the responsibilities described elsewhere in this Agreement, each Party shall have the responsibilities set out in this Paragraph 1.2 of this Service Description.
- 1.2.7 Service Supplier will be responsible for the metering and billing necessary to charge Service Taker for all Calls passed by Service Taker to the Service Supplier using the Incoming International Call Termination Service in accordance with the Joint Working Manual.
- 1.2.3 Service Supplier will be responsible for monitoring the service quality, managing and providing management information about the Incoming International Call Termination Service, as applicable, either (a) from the Point of Connection to the Service Supplier Mobile Subscriber Connections or the Service Supplier PSTN Subscriber Connections or (b) from the Point of Connection to the Point of Handover to the System of the Third Party Fixed Telecom Provider or the Third Party Mobile Telecom Provider. The Service Taker will be responsible for monitoring the service quality, managing and providing management information about the Incoming International Call Termination Service from the Point of Handover to the Point of Connection in accordance with the Joint Working Manual. For the avoidance of doubt, access to the Service Supplier's and Service Taker's management systems will not be provided.
- 1.2.4 Service Taker will be responsible for forecasting usage of the Service Supplier Incoming International Terminating Service in accordance with the Joint Working Manual.
- 1.2.5 Service Taker will be responsible for validating the called number in accordance with the national Numbering Scheme and the valid number ranges associated with Service Supplier PSTN Subscriber Connections, Service Supplier Mobile Subscriber Connections, Third Party Fixed Telecom Provider Subscriber Connections and Third Party Mobile Telecom Provider Subscriber Connections in the Service Schedules.
- 1.2.6 Service Supplier will be under no obligation to convey Calls pursuant to this Service Description (a) that are not part of the applicable number ranges associated with Service Supplier PSTN Subscriber Connections and Service Supplier Mobile Subscriber Connections or (b) that are not International Incoming Termination Calls or (c) that do not meet with technical requirements set out in the Joint Working Manual.
- 1.2.7 The Service Taker shall not insert and shall not permit a third party to insert a CLI into a Call, which originated outside Jamaica, which indicates that the Call originated inside Jamaica. In the event that the Service Supplier knows or reasonably believes that a Call passed to the Service Supplier by the Service Taker originated outside of Jamaica, and the Service Supplier is obligated to convey the Call, the Service Supplier shall convey such Call pursuant to the Incoming International Call Termination Service.
- 1.2.8 Calling Line Identity for network and presentation purposes shall, where available, be made available by Service Taker to Service Supplier for all Incoming International Termination Calls presented for delivery via the Service Supplier System.

1.3 Quality of service

1.3.1 In accordance with Clause 15 of the Legal Framework, Service Supplier will provide the Incoming International Call Termination Service to the Quality of Service levels set out in the Joint Working Manual and Parameter Schedule.

1.3.2 Quality of Service levels and Fault Restoration Times for the Incoming International Call Termination Service will be measured and reported in accordance with the Joint Working Manual and Parameter Schedule. Service Supplier and Service Taker will periodically review the achieved quality parameters in accordance with the Joint Working Manual. The Service Supplier is not responsible for the quality of service of services (including the origination of the Call) which are provided by a Third Party International Telecom Provider, in relation to the relevant Call conveyed pursuant to this Service Description.

1.4 Configuration

1.4.1 The Incoming International Call Termination Service will be available at the Service Supplier ISLs specified in the Service Schedule.

1.4.2 Service Taker will deliver traffic in a dedicated Trunk Group at each Point of Connection where the Incoming International Call Termination Service is offered and required and will route Calls in accordance with the routing scheme and principles described in the Joint Working Manual and the Parameter Schedule.

1.5 Charges

1.5.1 The Charges set out in the Tariffs Schedule for the Incoming International Call Termination Service are payable in accordance with Clause 9 of the Legal Framework, can be varied in accordance with Clause 10 of the Legal Framework and are in addition to any other Charges payable for Services provided pursuant to this Agreement. Charges are the sum of applicable Usage Charges. For the avoidance of doubt, the Tariffs Schedule does not include any sums payable pursuant to Clause 8.2 of the Legal Framework.

1.5.2 Usage charges include:

- Call Set-up Charges,
- Interconnect Specific Charges depending on duration,
- Call Duration Charges depending on distance, duration and Tariff Period;
- Where applicable, outpayments to a Third Party Mobile Telecom Provider or a Third Party Fixed Telecom Provider.

1.5.3 If the provision of Signalling Links is consistent with the dimensioning rule specified in the Joint Working Manual the tariffs will include all charges for the handling of signalling messages required based on the specifications of this Service.

- End of Service Description -

64Kpbs Unrestricted and Speech Terminating Service**1.1 Description**

- 1.1.1 The 64Kbps Unrestricted and Speech Terminating Access Service will be provided by the Service Supplier to the Service Taker, in accordance with the terms and conditions of this Agreement.
- 1.1.2 The 64Kbps Unrestricted and Speech Terminating Access Service will provide conveyance of ISDN Calls addressed to valid number ranges associated with the Service Supplier ISDN Subscriber Connections from Service Taker Subscriber Connections from the Point of Connection defined by the Joining Service to the applicable Service Supplier ISDN Subscriber Connections, via the Service Supplier ISDN.
- 1.1.3 The valid number ranges associated with the Service Supplier ISDN Connections and associated ISLs or Virtual ISLs are listed in the Service Schedule. The list will be amended from time to time to include any additional numbers to which ISDN Calls are to be conveyed pursuant to this Service Description or to remove numbers. The process for adding or removing numbers is specified in the Joint Working Manual.
- 1.1.4 The 64Kbps Unrestricted and Speech Terminating Access Service can only be provided in conjunction with a Joining Service. Sufficient dedicated capacity must be in place within the relevant Joining Service to handle the traffic in accordance with the Joint Working Manual.
- 1.1.5 The technical standards for voice telephony, operational processes and billing processes are described in the Joint Working Manual
- 1.1.6 No Supplementary Services are provided.

1.2 Service Specific Responsibilities

- 1.2.1 Without prejudice to the responsibilities described elsewhere in this Agreement, each Party shall have the responsibilities set out in this Paragraph 1.2 of this Service Description.
- 1.2.2 Service Supplier will be responsible for the metering and billing necessary to charge Service Taker for all ISDN Calls passed by Service Taker to the Service Supplier ISDN using the 64Kbps Unrestricted and Speech Terminating Access Service in accordance with the Joint Working Manual.
- 1.2.3 Service Supplier will be responsible for monitoring the service quality, managing and providing management information about the 64Kbps Unrestricted and Speech Terminating Access Service from the Point of Connection to the Service Supplier ISDN Subscriber Connection and Service Taker will be responsible for monitoring the service quality, managing and providing management information about the 64Kbps Unrestricted and Speech Terminating Access Service from the Service Taker Subscriber Connection to the Point of Connection in accordance with the Joint Working Manual. For the avoidance of doubt, access to the Service Supplier's or Service Taker's management systems will not be provided.
- 1.2.4 Service Taker will be responsible for forecasting usage of the 64Kbps Unrestricted and Speech Terminating Access Service in accordance with the Joint Working

Manual.

- 1.2.5 Service Taker will be responsible for validating the called number according to the National Numbering Scheme and the valid number ranges associated with the ISDN Subscriber Connections in the Service Schedule. In accordance with Clause 8.2 of the Legal Framework, Service Supplier will be under no obligation to convey ISDN-Calls pursuant to this Service Description that are not part of the applicable Service Supplier Numbering Ranges.
- 1.2.6 Service Taker will be responsible for managing any end-to-end services provided by Service Taker to Service Taker Subscribers that use the 64Kbps Unrestricted and Speech Terminating Access Service.

1.3 Quality of service

- 1.3.1 In accordance with Clause 15 of the Legal Framework, Service Supplier will provide the 64Kbps Unrestricted and Speech Terminating Access Service 24 hours/day, every day, to the Quality of Service levels set out in the Joint Working Manual and Parameter Schedule.
- 1.3.2 Quality of Service levels and Fault Restoration Times for the 64Kbps Unrestricted and Speech Terminating Access Service will be measured and reported in accordance with the Joint Working Manual and Parameter Schedule. Service Supplier and Service Taker will periodically review the achieved quality parameters in accordance with the Joint Working Manual.

1.4 Configuration

- 1.4.1 The 64Kbps Unrestricted and Speech Terminating Access Service will be available at the Service Supplier ISLs or Virtual ISLs specified in the Service Schedule.
- 1.4.2 Service Taker will deliver traffic in Trunk Groups at each Point of Connection where the 64Kbps Unrestricted and Speech Terminating Access Service is offered and required and will route ISDN-Calls in accordance with the routing scheme and principles described in the Joint Working Manual and the Parameter Schedule.

1.5 Charges

- 1.5.1 The tariffs for Charges for the 64Kbps Unrestricted and Speech Terminating Access Service are specified in the Tariffs Schedule.
- 1.5.2 The charges for the 64Kbps Unrestricted and Speech Terminating Access Service are payable in accordance with Clause 9 of the Legal Framework, can be varied in accordance with Clause 10 of the Legal Framework and are in addition to any other Charges payable for Services provided pursuant to this Agreement. Charges are the sum of applicable Usage Charges.
- 1.5.3 Usage Charges include:
- Call Setup Charges;
 - Interconnect Specific Charges depending on duration;
 - Call Duration Charges depending on distance, duration and Tariff Period; and
- 1.5.4 The Local Rate tariff for Usage Charges will apply to Answered Calls where Service Taker routes the Call to a Service Supplier ISDN Subscriber Connection which is directly connected to the Service Supplier ISL.

- 1.5.5 The National Rate tariff for Usage Charges will apply to Answered Calls where Service Taker routes the ISDN Call to a Service Supplier ISL in an Interconnect Access Area other than where the Service Supplier ISDN Subscriber Connection is located.
- 1.5.6 The Regional Rate tariff for Usage Charges will apply to Answered Calls where Service Taker routes the ISDN Call to a Service Supplier ISL in the Interconnect Access Area where the Service Supplier ISDN Subscriber Connection is located other than the ISL.
- 1.5.7 For each Answered Call, the Call Set-up Charge will be applicable when Call Start occurs.
- 1.5.8 The duration of an Answered Call will be measured from Call Start to Call End. The duration of an Answered Call will be logged by Service Supplier and the number of Time Units that shall apply will be calculated by Service Supplier. For each Answered Call, the duration will be measured to an accuracy of a Time Unit.
- 1.5.9 The start and end times of the peak, off-peak and weekend periods are defined in the Tariffs Schedule. Answered Calls passing the peak / off-peak / weekend borders will be calculated according to the corresponding tariffs by splitting the duration into the relevant periods.
- 1.5.10 If the provision of Signalling Links is consistent with the dimensioning rule specified in the Joint Working Manual, the tariffs will include all charges for the handling of signalling messages required based on the specification of this Service.
- 1.5.11 For the avoidance of doubt, the Tariffs Schedule does not include any sums that may be payable by Service Taker as a result of inaccurate forecasts of the 64Kbps Unrestricted and Speech Terminating Access Service and for delays to provisioning and acceptance testing. Any such sums will be calculated and charged for in accordance with the Joint Working Manual. Neither does it include any sums that may be payable pursuant to Clause 8.2 of the Legal Framework.

- End of Service Description -