

VIRTUAL UNBUNDLING LOCAL ACCESS

REFERENCE OFFER

ANNEX H

Terms and Conditions for

Collocation Service for Backhauling of VULA Traffic from the Handover Point

GO plc

This Reference offer for Virtual Unbundled Access to the FTTP network and collocation related facilities is published in accordance with the Malta Communications MCA Final Decision Market 4 – Wholesale Unbundled Infrastructure Access Market dated 6th March 2013 in line with Regulation 12(2) of the Electronic Communications Network and Services (General) Regulations (Chapter 399.28 of the Laws of Malta).

Undertakings are advised that the Malta Communications Authority may impose changes to this Reference Offer in accordance with its powers under Regulation 12(4) of the Electronic Communications Network and Services (General) Regulations (Chapter 399.28 of the Laws of Malta)

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1. General Description of Service

- 1.1 GO offers a collocation service (**GO Co-mingling Facility Service**) for the sole purpose of backhauling of traffic generated by the Service (**VULA Traffic**) from the HP to the OAO. The GO Co-mingling Facility consists of space in an operational area within a GO building designated by GO as being suitable for the installation of OAO electronic communications racks. The OAO shall comply with all terms and conditions specified in this Annex H in regards to access, floor space, ceiling height, floor loading etc.
- 1.2 The GO Co-mingling Facility Service will be offered within Exchange Sites listed at Annex G. The implementation of the GO Co-mingling Facility Service will be subject to physical and/or technical limitations as specified in this Annex H and will be provided subject to the OAO agreeing to enter into a Collocation Agreement with GO.
- 1.3 The GO Co-mingling Collocation Facility Service will provide secure accommodation suitable for the installation, operation and maintenance of the OAO's equipment for the sole purpose of backhauling of VULA Traffic by the OAO from the HP and may be accessed only by pre-advised OAO personnel or suitably authorised contractors and subject to the terms and conditions of this Annex H.
- 1.4 Physical connectivity from the OAO Co-mingling Facility will be through a Handover Distribution Frame (**HDF**) provided, operated and maintained by GO.
- 1.5 Subject to availability at the Sites listed in Annex G, the Co-mingling Facility will be supplied with power from the GO Essential Supply Service (**ESS**) at the HP site. Power supplied by the ESS service can be provided with or without a power back-up facility.
- 1.6 The Co-mingling Facility will be supplied with other Chargeable Ancillary Service Systems (**CASS**) such as:
 - Secure access,
 - Power,
 - Lighting,
 - Ventilation,
 - Climate control,
 - Smoke/fire detection etc.

- 1.7 The provision of CASS can be expanded to include enhanced ancillary services such as uninterruptible power supply (UPS), fire suppression, intruder alarms, etc. These enhanced ancillary services shall be additionally chargeable by GO to the OAO subject to commercial negotiations.
- 1.8 All OAO equipment will be supplied, installed and maintained by the OAO or by authorised and suitably accredited agents of the OAO for whom the OAO will assume full responsibility for any actions and/or omissions.
- 1.9 The OAO may also be requested to provide the support structure for the cable trays and lighting to enable GO to install and operated the HDF and ESS.
- 1.10 For avoidance of doubt the GO Co-mingling Facility Service as described in this Annex H does not include any form of technical support such as remote-hands and/or remote-eyes.

2. Technical Description

2.1 Introduction

The GO Co-mingling Facility will consist of floorspace within a GO operational area equipped to a basic specification and offering accommodation suitable for the installation of telecommunications equipment. Access by OAO staff and its contracted agents to the Co-mingling Facility will be exclusively on an escorted basis.

The maximum floor loading of OAO equipment must not exceed the level stated by the GO design team and on the room drawing(s). Stated levels will typically range between 7.5 kN/m² and 9kN/m², but there may be occasions where a lower restriction applies. The OAO will be consulted in cases where loading is to be less than 6kN/m²..

The OAO shall bear all costs for the procurement, transport, installation, testing and operation of the RU and all equipment and/ or infrastructure installed in or attached to the RU.

2.2 Co-mingling Facility Specification

2.2.1 Operational Environment

GO equipment operates in an environment that meets the ETSI 300.019 standard and any equipment installed by the OAO or the OAO accredited agents in the GO Co-mingling Facility must also be of a specification that meets this standard. GO will ensure that the operational environment specified in ETSI 300.019 is maintained.

2.2.2 Handover Distribution Frame

The OAO shall provide in own rack space for the installation by GO of the HDF.

GO shall provide a HDF in the GO Co-mingling Facility environment to enable the connection to the HP. GO will install one of the end points of the HDF in the RU provided by the OAO in the OAO's designated co-mingled space.

2.2.3 Essential Supply Service

ESS will be offered to an OAO who opted for GO Co-mingling Facility Service at a HP site. The ESS shall consist of a connection to the GO AC or DC electrical power supply in the HP site building. The OAO shall provide in own rack space for the installation of the power distribution board as directed by GO.

The ESS service can be supplied in two ways, namely:

1. Connection to ESS power – ESS power is defined as the AC or DC electrical supply used to power the GO equipment in the HP site and will include back-up power facilities to provide protection from main electricity supply failure.
2. Connection to non-ESS power – non-ESS power is defined as a direct connection to the main electricity AC supply in the GO HP site but without any power back-up facilities.

The OAO shall specify which ESS connection option is most appropriate for the equipment installed at the HP site.

GO shall provide (if already available in dual feed) 48V DC uninterrupted power supply for each OAO standard rack unit (**RU**) with a minimum power charge of 1.25 KW per Rack Space. Additional metered power can be provided subject to a maximum total DC power of 3.45kW, resulting from cooling constraints and the installation of a remote power metering facility.

For the purpose of charging the OAO for power, power consumption on a continuous basis will be deemed to be equivalent to the peak loading provisioned.

When a power failure occurs the equipment room including the climate control systems in the collocation facility shall be powered by a standby generator/s. The standby power equipment shall be tested by GO or its subcontractor on a regular basis. GO cannot warrant that the standby power equipment will not develop faults or not function as intended from time to time.

GO may opt to provide the appropriate fuses to limit the power to the requested usage and may opt to take regular audits of power usage.

Prior to connection of the OAO rack, the OAO shall provide a certificate of safety of the respective equipment signed by a warranted engineer.

2.2.4 Fire Exit

Fire exit access will be compliant with relevant building and fire regulations as interpreted by GO in line with the local fire services rules and guidelines.

2.2.5 Alarms

Smoke and fire detection and associated alarms will be provided by GO. These will comply with current operational and safety standards.

2.2.6 Access and Security

All personnel accessing the Co-mingling Collocation Facility on behalf of the OAO shall require approval by GO prior to accessing the same and shall be escorted by GO personnel or GO authorised agents at all times while on the premises. The OAO will be responsible for all such personnel accessing the said premises on the OAO's behalf.

2.3 Equipment Installation Design

The OAO shall install the RU and the equipment installed in the RU as directed by GO. The RU shall consist of usable rack installation floor space of 800 mm depth (front to back) x 600 mm (width). The RU shall have a height of up to 2400 mm. Smaller racks with a lower clear height may be acceptable subject to an agreement in writing between GO and the OAO. The normal layout will allow access to both sides of the rack unit for an OAO using 'back to back' rack configurations or having cabinets with front and rear access.

3 Applicable Charges

The charges applicable for use of floorspace and the CASS within a GO HP site are listed in Annex D - Price List.