

## **Standard Terms Determination for Chorus' Unbundled Copper Low Frequency Co-location Service**

Being a standard terms determination that applies to the service described in subpart 1 of Part 2 of Schedule 1 of the Telecommunications Act 2001 as Chorus's unbundled copper local loop network co-location as supplied for the purposes of providing access to and interconnection with Chorus' unbundled copper low frequency service

### **Schedule 1: UCLF Co-location Service Description**

**Date of determination:** 7 November 2007

Updated to incorporate Commerce Commission decisions, amendments, and clarifications through to 15 December 2019

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## 1. The UCLF Co-location Service

- 1.1 References to clauses or sections are references to clauses or sections in this UCLF Co-location Service Description unless expressly provided otherwise. The definitions set out in this UCLF Co-location Service Description apply to the extent that they are not expressly modified by or inconsistent with the UCLF Co-location General Terms.
- 1.2 The UCLF Co-location Service is a service (and its associated functions, including the associated functions of Chorus' operational support systems) that provides co-location facilities for an Access Seeker's equipment, and access to the handover point, at Chorus' local telephone Exchange (referred to below simply as Chorus' Exchange) for the purposes of providing access to, and interconnection with, unbundled copper low frequency network (including any necessary supporting equipment). A diagram of the UCLF Co-location Service is attached as Appendix A.
- 1.3 The handover point is the Handover Distribution Point (HDP) block located on the Main Distribution Frame (MDF).
- 1.4 The Access Seeker can combine the UCLF Co-location Service with interconnection, and backhaul for the UCLF Service offered by Chorus (or with the Access Seeker's own network or wholesale services provided by other providers) to deliver a service to End Users.

## 2. UCLF Co-location Space

- 2.1 The UCLF Co-location Service includes access to and the use of, space in, on, or around Chorus' Exchange for the purposes of installing and maintaining the approved<sup>1</sup> Access Seeker's equipment.
- 2.2 "Access Seeker's equipment", for the purposes of this Service Description, includes the equipment of any person other than the Access Seeker (including any line) if that equipment is being used to support the provision of backhaul for the Access Seeker.
- 2.3 The UCLF Co-location Service includes the provision of:
- 2.3.1 Footprint(s);<sup>2</sup>
  - 2.3.2 power, air-conditioning and other associated services to support Access Seeker equipment;
  - 2.3.3 cable racks and trays, HDP blocks, seismic bracing, earthing and other associated infrastructure to support Access Seeker equipment;
  - 2.3.4 tie cables (note these may be supplied either by Chorus or the Access Seeker);

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<sup>1</sup> The process for approval of Access Seeker equipment is set out in the UCLL and UCLF Co-location Operations Manual.

<sup>2</sup> Footprint is defined as a space at any Chorus Exchange that is allocated to the Access Seeker for the installation of its equipment but excludes any space occupied by the Access Seeker's tie cables.

- 2.3.5 controlled access for accredited personnel to support Access Seeker equipment.
- 2.4 UCLF Co-location Service assistance provided by Chorus (see the UCLF Co-location Operations Manual for details) is as follows:
  - 2.4.1 automated facility for Access Seeker new service orders;
  - 2.4.2 an audit facility to assist the Access Seeker and Chorus in determining the suitability of a new site as a point from which to offer service to Access Seeker End Users.
- 2.5 The UCLF Co-location Service implementation activities that will be carried out by Chorus include:
  - 2.5.1 provisioning of the Access Seeker's Footprint, including power, air-conditioning and associated support services;
  - 2.5.2 identification of the route that Intra-Exchange Tie Cables will take between the Access Seeker's Footprint and the Access Seeker's HDP block on the MDF including installation of any cable racks and trays required to support Intra-Exchange Tie Cables;
  - 2.5.3 supply of HDP blocks and if requested by the Access Seeker Intra-Exchange Tie Cables;
  - 2.5.4 installation of HDP block on MDF, and Intra-Exchange Tie Cables between the Access Seeker's Footprint and the MDF, and termination of the MDF end of tie cables on the HDP block;
  - 2.5.5 identification of the route that UCLF Co-location Backhaul Tie Cables will take within the Chorus Exchange, Chorus ducts and the Chorus manholes, between the Access Seeker Footprints or between the Access Seeker's Footprint and the Access Seeker's or a third party's fibre network cable outside and adjacent to Chorus' Exchange Entry Point, including installation of any required cable racks and trays to support UCLF Co-location Backhaul Tie Cables;
  - 2.5.6 supply of UCLF Co-location Backhaul Tie Cables if requested by the Access Seeker;
  - 2.5.7 installation of UCLF Co-location Backhaul Tie Cables between Access Seeker Footprints, or the Access Seeker's Footprint and the Access Seeker's or a third party's fibre network cable outside and adjacent to Chorus' Exchange Entry Point. For Chorus supplied cable, the cable will be delivered to the Access Seeker outside and adjacent to Chorus' Exchange Entry Point. For Access Seeker supplied cable, the cable, of length advised by Chorus, will be received at Chorus' Exchange Entry Point.

- 2.6 The UCLF Co-location Service specifically excludes:<sup>3</sup>
- 2.6.1 Access to, and the use of, space in, on, or around any location apart from Chorus' Exchange;
  - 2.6.2 Housing Access Seeker equipment (including any necessary supporting equipment) that is not approved by Chorus under the UCLF Co-location Operations Manual;
  - 2.6.3 Housing Access Seeker equipment that is used wholly or partly for a purpose other than providing
    - (a) access to, and interconnection with Chorus' UCLF Service; or
    - (b) the UCLF Service; or
    - (c) unconditional rights of access to Exchanges.
  - 2.6.4 the unbundled copper low frequency network backhaul service which is an optional additional service.

### 3. UCLF Co-location Configuration

- 3.1 A summary of UCLF Co-location configuration is set out below. It is subject to the full details of UCLF Co-location configuration appearing in the UCLF Co-location Operations Manual.

#### Definitions

- 3.2 The UCLF Co-location configurations available for delivery of the UCLF Co-location Service within the UCLF Co-location Service Area at Chorus' Exchanges can be defined as follows:
- 3.2.1 co-mingled Footprints: Footprints are inter-mixed directly with each other within a shared row (the Access Seeker's Footprints may also be inter-mixed with Chorus racks or cabinets). Rows would not necessarily be sequentially filled and gaps may be left between Access Seeker Footprints or Chorus racks or cabinets for growth. However, if space restrictions prevent this approach then rows may be filled sequentially;
  - 3.2.2 co-mingled rows: the Access Seeker is allocated an entire row of Footprints.
- 3.3 The default configuration for all Exchanges will be co-mingled Footprints filled sequentially. However, where Chorus assesses the space restrictions at an Exchange as moderate or low, it may offer co-mingled rows.

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<sup>3</sup> Note this is not intended to be an exhaustive list of exclusions or to limit what is excluded from the UCLL and UCLF Co-location Service. It needs to be read in the full context of this service description.

### **Approach to build**

- 3.4 Chorus' Build of the UCLF Co-location Service Area is likely to be designed in an economically efficient way that provides a sensible solution. This may involve construction of more space than immediately required if that is sensible for medium term space or cost efficiency.

### **Additional rules for buildings that Chorus does not own**

- 3.5 Chorus may have different security requirements that apply to buildings it does not own. Where Chorus does not own the building containing a Chorus Exchange, the building owner may specify requirements for security and environmental control. Consequently, Chorus may be subject to different security and environmental controls in these buildings than those that apply in Chorus-owned buildings. Details of the approach to co-location in buildings that are not owned by Chorus are set out in clause 15.7 of the UCLF Co-location Operations Manual.

### **Chorus power and environmental control equipment**

- 3.6 Chorus will have priority on the use or reservation of floor space for equipment, power and environmental support services for equipment used to provide Regulated Services.

## **4. Service Boundaries**

- 4.1 The UCLF Co-location Service is primarily confined to the Access Seeker's Footprint and the space occupied by the associated HDP block(s) and tie cables. It also includes access to and the use of, space in, on or around Chorus' Exchange for the purpose of installing and maintaining the Access Seeker's equipment within its Footprint(s).

## **5. HDP block**

- 5.1 An Access Seeker HDP block will be installed by Chorus at each Chorus Exchange MDF where the Access Seeker intends to offer services based on the UCFS Service. A HDP block provides connection to the Access Seeker equipment via either the Intra-Exchange Tie Cable or the Remote Tie Cable provided as part of the UCLF Service.

## **6. Availability**

- 6.1 Chorus' ability to provide the UCLF Co-location Service is practically limited in the case of each Chorus Exchange by the physical space available at, within or around that Exchange.
- 6.2 Chorus will make reasonable efforts to:
- 6.2.1 retain existing rights to space and such additional space as may reasonably be required for Chorus to provide access to the UCLF Co-location Service;  
and

- 6.2.2 if Chorus does not have sufficient existing rights to space for future uses, make reasonable efforts to secure rights to additional space, in each case in, on or around the Exchange to ensure that:
- (a) the Access Seeker has access to and use of space in, on or around the Exchange for the purposes of installing and maintaining the Access Seeker equipment; and
  - (b) sufficient space is available to accommodate the Access Seeker equipment.

## **7. Components of the UCLF Co-location Service and Associated Charges**

- 7.1 For detailed information on the components of the UCLF Co-location Service and associated charges see the UCLF Co-location Operations Manual and UCLF Co-location Price List.

## **8. Service levels**

- 8.1 Applicable service levels are set out in the UCLF Co-location Service Level Agreement.

## Appendix A – Diagram

### UCLF Co-location Service

Note: This diagram illustrates the UCLF Co-location Service in combination with related services. It does not illustrate *all* possible combinations of those services.

