

OFFER FOR COLLOCATION

TECHNICAL MANUAL WBA/WLL

Changes from previous version¹

Added

Paragraph	Remarks	Effective Date
3.5.1	Extension of the total permitted heat production of the Service Taker Equipment in location Asd-Drs (from 800W to 2000W per Collocation Cabinet Footprint	18 December 2017
3.5.1	Extension of the total permitted heat production of the Service Taker Equipment in location Ah-Pts (from 800W to 2000W per Collocation Cabinet Footprint	1 April 2018

Changed

Paragraph	Remarks	Issue ²

Removed

Paragraph	Remarks	Issue

1 Grammatical changes have not been indicated.

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1 Introduction

- 1.1.1 This Collocation for WBA/WLL **Technical Manual** describes the technical specifications only applicable to the KPN Collocation Service for WBA/WLL, provided by KPN to Service Taker pursuant to the Framework Agreement, Individual Agreements, and supporting manuals and schedules.
- 1.1.2 The principles of this Collocation for WBA/WLL **Technical Manual** are:
- I) specifications are as much as possible in conformance with international and national standards;
 - II) KPN specifications will be applicable in the absence of international and national standards and in instances where items are specific to KPN's access network;
 - III) the values of the parameters should be measurable by both Parties and the method of measurement should be according to international standards.
- 1.1.3 Terms of which the first letter is capitalised are defined in the Collocations for WBA/WLL **Definitions**.
- 1.1.4 Elements that apply for the entire **KPN Collocation Services** are presented in the **General Technical Manual**.
- 1.1.5 This document is an 'add-on' to the **General Technical Manual** and all other general documents.

2 Scope

- 2.1.1 This Collocation for WBA/WLL **Technical Manual** defines the technical specifications:
- I) for the KPN **Collocation Service for WBA/WLL**;
 - II) for **Service Taker Equipment** to be placed in the **Physical Collocation Space** and;
 - III) those relating to **Facilities Links**.
- 2.1.2 Specifications specific to individual **Service Facilities** and specific requests for collocation will be provided in the **Site Report**.

3 Collocation for WBA/WLL - Specifications

3.1 Collocation Cabinet Footprint

- 3.1.1 A [Collocation Cabinet Footprint](#) provides floor space with a width of 0,6m and a depth of 0,8m.
A WBA/WLL link cable will be installed in the Collocation Cabinet Footprint on a panel.

3.2 230 VAC un-monitored power supply

- 3.2.1 The distribution cabinet is provided with a 25A main switch and a number of fuseholders.
- 3.2.2 In the distribution cabinet a maximum of 1 fuse of 10A each shall be used for a [Collocation Cabinet Footprint](#).
- 3.2.3 In the distribution cabinet fuses with a maximum value of 10 A shall be used.

3.3 230V AC monitored power supply

- 3.3.1 The distribution cabinet is provided with a 25A main switch and a number of fuseholders.
- 3.3.2 In the distribution cabinet a maximum of 1 fuse of 10A each shall be used for a [Collocation Cabinet Footprint](#).
- 3.3.3 In the distribution cabinet fuses with a maximum value of 10 A shall be used.

3.4 48V DC no-break power supply

- 3.4.1 The switch- and distribution cabinet is provided with at least 5 fuseholders.
- 3.4.2 Each power cable for the 48V DC power supply shall be fused with a maximum of 65A per two [Collocation Cabinet Footprints](#).
- 3.4.3 In the switch- and distribution cabinet fuses with a minimum value of 10A and a maximum value of 63A shall be used.

3.5 Service Taker Equipment – heat production

- 3.5.1 Heat production is the total heat, regardless of the form in which it is produced or emitted. The total permitted heat production of the [Service Taker](#) Equipment is 800W per Collocation Cabinet Footprint, with the exception of locations Asd-Drs and Ah-Pts where the total permitted heat production of the [Service Taker](#) Equipment is 2000W per Collocation Cabinet Footprint.

4 References

ETS 300 019-1-3	Environmental conditions and environmental tests for telecommunications equipment
ETS 300 119	European telecommunication standard for equipment practice, parts 1 to 4 inclusive
ETS 300 132-2	Power supply interface at the input to telecommunications equipment; Part 2: operated by direct current (dc)
ETS 300 253	Earthing and bonding of telecommunications equipment in telecommunications centres
ETS 300 386-1	Public telecommunication network equipment; Electro Magnetic Compatibility (EMC) requirements. Part 1: Product family overview, compliance criteria and test levels
EN 55022	Limits and methods of measurement of radio interference characteristics of information technology equipment
ICNIRP	International Commission on Non-Ionising Radiation Protection
NEN 1010	Safety stipulations for low-voltage installations.
NEN 3140	Low-voltage installations; provisions for carrying out work, inspection and maintenance safely
SI-212219010	General safety and environmental requirements for equipment and materials, issue 5, dated 931229; published by KPN. See Appendix I.

– End of Technical Manual–