Appendix

Service Specifications

Products

V3.1
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CONTENT

1. INTRODUCTION

On the development of CESAR2, identification of a need for common and agreed structure for access products has been identified. We have chosen to divide those products into different types.

These products should as far as possible be introduced on the city networks which are using CESAR2 as a framework aggreement.
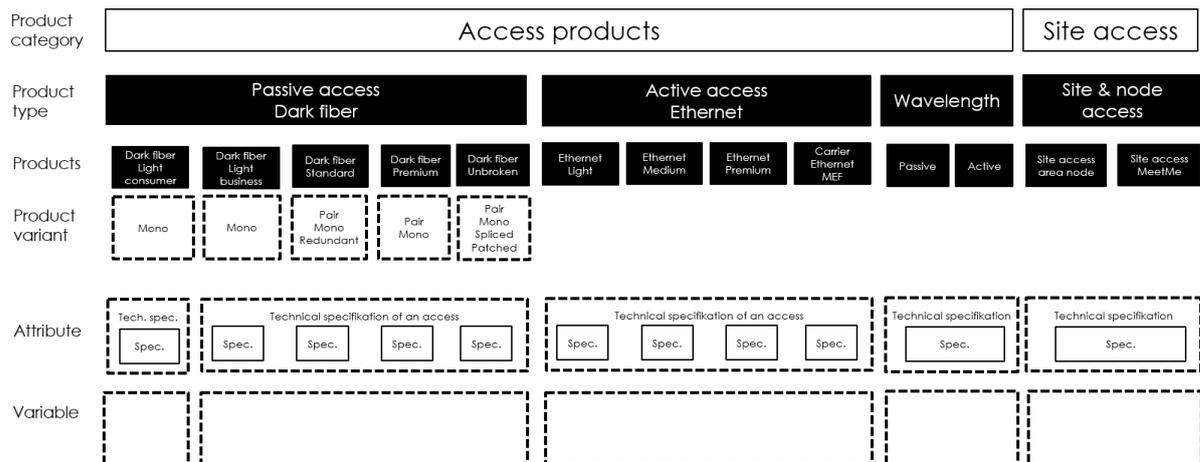
If the product offering differs from the product specification, it shall be clear what or which products that are not provided.

Each product is described in a service specification as an annex to this document.

2 PRODUCT OVERVIEW

In order to introduce standardized processes and data sheets for the connections that will be handled in CESAR2, a product structure has been developed, see below. The structure is based on a hierarchical chain where the categories are general, and the attributes and variables are parts that form the content of the product.

Picture: Product and the structure CESAR2

Product category	Access products										Site access	
Product type	Passive access Dark fiber					Active access Ethernet				Wavelength		Site & node access	
Products	Dark fiber Light consumer	Dark fiber Light business	Dark fiber Standard	Dark fiber Premium	Dark fiber Unbroken	Ethernet Light	Ethernet Medium	Ethernet Premium	Carrier Ethernet MEF	Passive	Active	Site access area node	Site access MeetMe
Product variant	Mono	Mono	Pair Mono Redundant	Pair Mono	Pair Mono Spliced Patched								
Attribute	Tech. spec. / Spec.	Technical specifikation of an access / Spec. / Spec. / Spec. / Spec.				Technical specifikation of an access / Spec. / Spec. / Spec. / Spec.				Technical specifikation / Spec.		Technical specifikation / Spec.	
Variable													

Attributes are the technical specification of the product. The Attributes are fixed and cannot be changed. Variables are eligible qualities, which can change per business and connection. Those shall be defined per connection, to get a complete product specification, so that a service can be established with an agreement between buyer and seller.

2.1 Definitions of charges and areas

Connection fees = Fixed price of connectivity whether node exists or not. The price can vary from area to area
Digging cost = One-time fee for digging that is not included in the connection charge.

In a Fixed-price area, all costs are predictable and priced with connection fees.
In the Price area the cost is predictable and monthly charged, digging cost may be added.

3. PRODUCT TYPES

These products are described in respective sub-annex to this annex.

Product category:	Access products
Product type:	Passive access: Dark Fiber
Products:	Dark Fiber Standard
Variants:	Pair, Mono, Redundancy
File:	AvtPktCESAR2 3.1 Sub-appendix Dark fiber Standard

Product category:	Access products
Product type:	Passive access: Dark Fiber
Products:	Dark Fiber Premium
	Dark Fiber Unbroken
Variants:	Pair, Mono, Spliced, Patched
File:	AvtPktCESAR2 3.1 Sub-appendix Dark fiber xhaul

Product category:	Access products
Product type:	Passive access: Dark Fiber
Products:	Dark Fiber Light Business
Variants:	Mono
File:	AvtPktCESAR2 3.1 Sub-appendix Dark fiber light business

Product category:	Access products
Product type:	Passive access: Dark Fiber
Products:	Dark Fiber Light Consumer
Variants:	Mono
File:	AvtPktCESAR2 3.1 Sub-appendix Dark fiber light consumer

Product category:	Access products
Product type:	Active access: Ethernet
Products:	Ethernet Light
	Ethernet Medium
	Ethernet Premium
	Ethernet Carrier MEF
File:	AvtPktCESAR2 3.1 Sub-appendix Ethernet

Product category:	Access products
Product type:	Wavelength
Products:	Active Wavelength
	Passive Wavelength
File:	AvtPktCESAR2 3.1 Sub-appendix Wavelenght

Product category:	Site access
Product type:	Site and Node access
Products:	Site Access Area Node
	Site Access MeetMe
File:	AvtPktCESAR2 3.1 Sub-appendix Site access