

# Interface properties of the broadband interface

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## 1 Introduction

### 1.1 Object and purpose

This document describes the properties of the broadband interface at the network termination point. (BSP interface for basic services)

### 1.2 Scope

The content of this document is valid for the SWISSCOM broadband basic service interface.

### 1.3 Target audience and requirements to the reader

This document is directed to users/subscribers that use the broadband basic service.

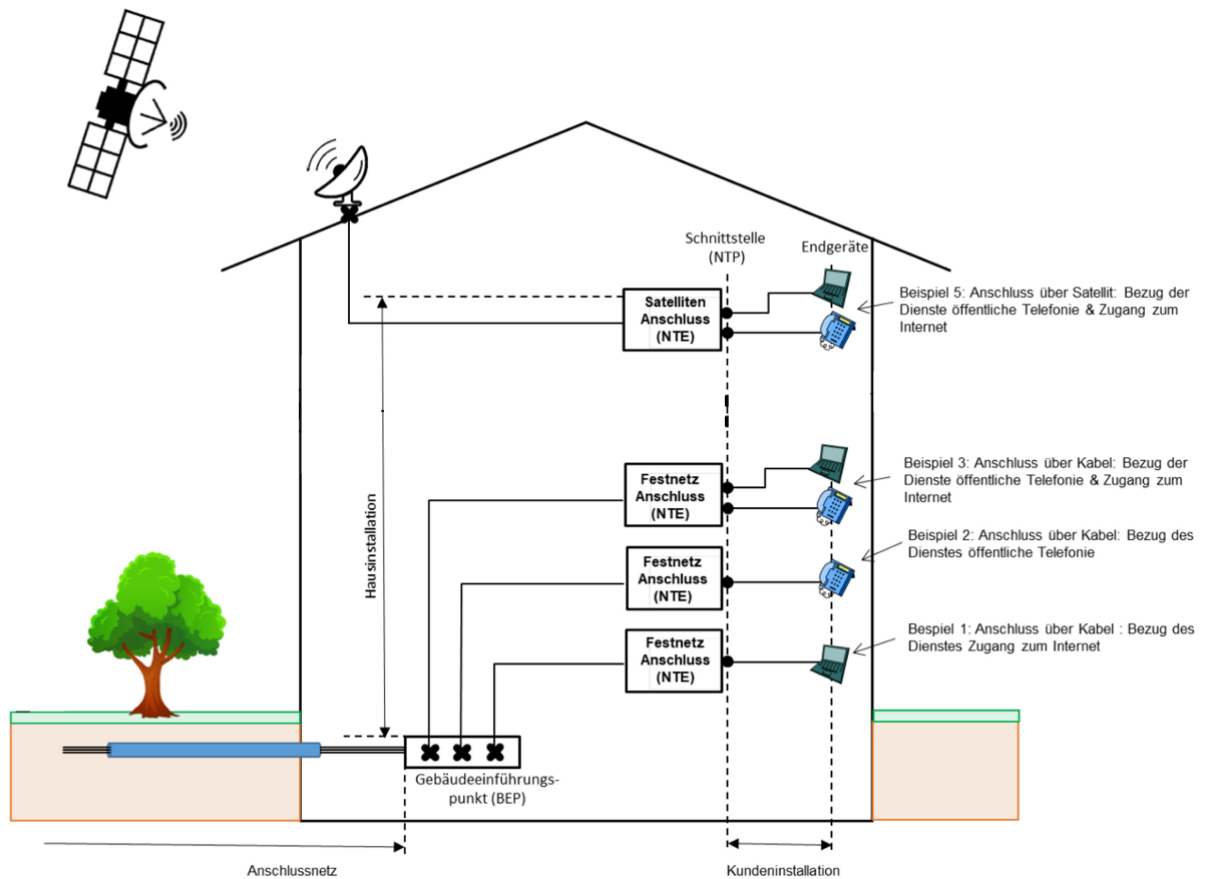
### 1.4 Terms and abbreviations

BEP	Building Entry Point
BSP	Basic service provision
NTP	Network Termination Point
NTU	Network Termination Unit
TE	Terminal Equipment

### 1.5 Reference documents

- [GV24 Hi] 2024-01-01\_GV24\_Hausinstallation - Technical and physical requirements for home installation for the provision of public telephone service and internet access via a copper or fiber-optic connection.
- [IEEE1] IEEE 802.3-2005 12.2005, IEEE Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications.
- [IEEE2] 802.11-2020 - IEEE Standard for Information Technology--Telecommunications and Information Exchange between Systems - Local and Metropolitan Area Networks--Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications

## 2 Location of interface



The requirements for house installation are specified in [GV24 Hi]

### **3 Interface properties at the network termination point NTP**

#### **3.1 Wireline**

The interface at the network termination point NTP is a xBase-T Ethernet interface according [IEEE1] and the speed "x" at least 100Mbps or higher. As long as technically available at the NTU, the minimum speed of 100Mbps will be supported.

#### **3.2 Wireless LAN**

The interface at the network termination point NTP is a Wireless LAN interface according [IEEE2] supporting at least the modes 802.11b, g, n.