

## Telco Equipment Co-Location

Elisa leases device spaces/facilities from co-locations under its control for telecommunications equipment placement and for server room purposes.

A comprehensive device facility solution, meeting the customer's needs, is designed and created.

The co-location services include:

- Device facility
- Device spaces
- Power supply, secured or not secured

Products supplementing the service facility services include:

- Cable duct services
- Termination block space services
- Connections to the telecommunications network
- Data communications connections

Elisa's co-locations have been built for telecom equipment and meet the requirements the authorities have set for telecom equipment spaces Finnish authority Traficom regulation M54.

The co-location services are located in Elisa's device spaces which typically contain Elisa's equipment and those of Elisa's customers.

### Products

#### Device space

A share of or a shelf location in a device stand, maximum width 600mm, maximum depth 600mm, either with a 19" fastening, or placed freely on the shelf. The spaces are leased in packages of eight Units = 355.6mm (\*Unit = U = 44.45mm). The smallest package to be leased is eight (8) U.

\*Based on the international fastening standard concerning equipment cabinets.

#### Device Cabinet Space

A space for a 19" standard device cabinet placed on the floor, maximum dimensions 600mm x maximum 1000mm x 2,200mm (width x depth x height). The device space includes free workspace at the front and back of the cabinet. The weight of the devices per square metre may be 600kg at the most.

#### Large Device Cabinet Space

Space for a device cabinet placed on the floor maximum 1000mm x 1000mm x 2,200mm (width x depth x height). The large device space includes free workspace at the front and back of the cabinet. The weight of the devices per square metre may be 600kg at the most.

#### In-house network connection

Elisa rents the in-house network connections between the fibre cable terminals at the stations.

#### Power supply

Depending on the co-location site and service level, it is possible to receive an electrical connection of 230 VAC (50Hz) unsecured or secured energy or 48 VDC battery secured energy. The secured energy backup at co-location is implemented by the backup generator, by the 3-6h battery backup or by the combination of those, depending of authorities regulations.

#### Other Products

All other device co-location products, device facility-related services and more extensive device facility packages and device spaces in computer rooms will be priced according to an offer.

### Service and maintenance

The equipment facility maintenance includes the following services:

- Facility maintenance and annual repair
- Real estate device and power supply maintenance and fault repair
- Real estate maintenance (ploughing, waste management, etc.)
- Cleaning the telecommunications facilities
- Tasks related to facility safety

Facility maintenance and its level varies case-by-case and details should be checked specifically for each facility when making the lease agreement.



The equipment facility services do not include the leaseholder's equipment maintenance, spare parts or repair tools, or any tasks that require special competence relating to the devices in question. Installation work and work related to device space arrangements and admission arrangements will be invoiced separately on a case-by-case basis.

## Admission to the co-location

The co-location spaces are located in device facilities which contain Elisa's devices and those of Elisa's customers. The arrangements related to the admission to the co-locations adhere to the Finnish authority Traficom regulation M54. This defines that co-locations access and use have to be monitored.

Admission to the co-locations is defined according to the facility's safety category as follows:

- **Category A** co-locations can only be entered when escorted and monitored.
- **Category B** co-locations customer can have either a remoted admission at monitored entrance or an electrical key or their mix.
- **Other co-locations** require an admission right as above, or semi electrical key.

The category of each co-location will be verified at an offer or availability enquiry.

An admission rights list will be maintained for the customers' staff requiring admission. The admission is always personal to the co-locations with a remoted admission, an electrical key or a semi electrical key. Persons, who got permission to admission must be appointed beforehand and their personal information must be delivered to Elisa in the manner agreed upon in the lease agreement.

The brief security clearance will be made by authority to every person who requested admission. On the basis of this, Elisa's Security services reserve the right to accept or refuse the requested admission. Both the Customer and the person will be informed of the decisions.

According to the agreement, it is possible that the devices of a customer outside Elisa Corporation and its partners may be isolated in a separate locked space to which no outsider has admission.

## Other terms

### Changes to the devices

If a customer makes any changes to the placed devices that could have an influence on the equipment facilities or related services, or increase the power of the devices, these should be agreed beforehand with Elisa Corporation.

### Device requirements

All customer devices should meet the requirements of the Traficom and the Electrical Safety Act 1135/2016.

### Environmental conditions in the equipment facilities

The equipment facility conditions are to be in accordance with the standard ETS 300019-1-3 category 3.2.

### Bringing connecting cables to co-location

The customer has a right to bring a connecting cable for its device to the co-location. Cable terminals will be priced according to price list of Co-Location termination block space services. The terms and pricing for the cable placement are presented in the product description and price list of cable duct services. All the product descriptions and price lists can be seen at [www.elisa.com/carrierservices](http://www.elisa.com/carrierservices). Bringing the connecting cable to the equipment is restricted in certain special co-locations.

### Agreement period

The minimum duration of the device space/device facility agreement is twelve (12) months unless it is part of some other connection agreement or transaction.

### General terms and conditions

General Terms for Operator Products apply to Elisa's Telco Equipment Co-Location products and services.

### Co-location order and delivery process

Customer uses Elisa Carrier Services Online <https://ecso.it.elisa.fi> to make a request for quote or an order. Target time to the answer is five (5) working days to the request and ten (10) working days to the order. The order and the order confirmation together will construct the contract.

