

## Telco Equipment Co-Location

Elisa Corporation leases device spaces/facilities from equipment facilities 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 device facility services include:

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

Products supplementing the service facility services include:

- Connections to the telecommunications network
- Data communications connections

Elisa's equipment facilities have been built for telecom equipment and meet the requirements the authorities have set for telecom equipment spaces (Finnish Communications Regulatory Authority 54/2008 M).

The device space products 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.

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

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.

Electric power and secured 48 VDC (DC power) or 230 VAC (AC power) will be invoiced separately.

#### Narrow Equipment Space

A space for a narrow equipment stand placed on the floor (Slim-Rack), maximum dimensions 300mm x 300mm x 2,200mm (width x depth x height).

The device space includes free workspace at the front of the stand. The weight of the devices per square metre may be 600kg at the most.

#### Device Stand Space

A space for a standard 19" equipment stand placed on the floor (ETSI stand), maximum dimensions 600mm x 300mm x 2,200mm (width x depth x height). The device space includes free workspace at the front of the stand. The weight of the devices per square metre may be 600kg at the most.

#### Device Cabinet Space

A space for a 19" standard device cabinet placed on the floor, maximum dimensions 600mm x 600mm 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, which is larger than 600mm x 600mm x 2,200mm (width x depth x height). The price is defined by the relationship of the area to the price of a normal cabinet space, taking the required workspace into account. 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.

#### Lockable Device Cabinet

A 19" standard device cabinet placed on the floor, size 600mm x 600mm x 2,200mm (width x depth x height); larger cabins are negotiated separately. Includes free workspace at the front and back sides of the cabinet, locking for the customer's own set, power supply outlets for five (5) devices. The weight of the devices per square metre may be 600kg at the most.

#### Power supply

Depending on the facility and service level, it is possible to receive an electrical connection of 230 V (50Hz) unsecured or secured with a reserve power machine in the equipment facilities, or 48 VDC with a 3-hour battery back-up system. Power consumption will be charged for each starting 500W. It will be defined according to the maximum power consumption reported by the device manufacturer for each device; customers are obliged to report this when making the order. The power consumption of the customers' devices is checked with random tests.



Compensation in accordance with the price list will be charged for each additional supply/fuse brought to the device space/stand.

### Other Products

All other device facility 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 facilities

The device 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 facilities adhere to the Finnish Communications Regulatory Authority's

REGULATION ON THE SECURITY OF COMMUNICATION NETWORKS AND SERVICES, Communications Regulatory Authority 54/2008 M. This means that facility access and use have to be monitored.

Admission to the equipment facilities is defined according to the facility's safety category as follows:

**Category A** facilities can only be entered when escorted and monitored.

**Category B** facilities require an admission right, and the customer's staff will be given the entrance door key when necessary; and, and against the identification information, the access door is remote-opened for them.

**Other facilities** require an admission right as above, or just the key.

The category of each equipment facility will be verified in connection with an offer or availability enquiry.

An admission rights list will be maintained for the customers' staff requiring admission. The admission to the equipment facilities takes place using escorts, electronic access control or keys/key cards. Those who are granted the right to enter the equipment facilities without an escort must be appointed beforehand and their personal information must be delivered to the leaseholder in the manner agreed upon in the lease agreement.

So-called **brief security clearance** must be drawn up for those with admission rights. On the basis of this, Elisa Corporation's Security services reserve the right to accept or refuse employees presented by telecommunications contractors. The telecommunications contractors 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 Finnish Communications Regulatory Authority and the Electrical Safety Act 410/1996.



## **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 the equipment facilities**

The customer has a right to bring a connecting cable for its device to the equipment facilities.

Cable terminals will be priced according to price list of Telco Equipment Co-Location Price List. The terms and pricing for the cable placement are presented in the product description and price list of Cable Placement Right. The terms and pricing for the terminal strip placement are presented in the product description and price list of Space for Termination Blocks. The above-mentioned product descriptions and price lists can be seen at our website [www.elisa.com/operators](http://www.elisa.com/operators).

Bringing the connecting cable to the equipment is restricted in certain special facilities.

## **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.

