

"Finance IPNet" Shopping Cart

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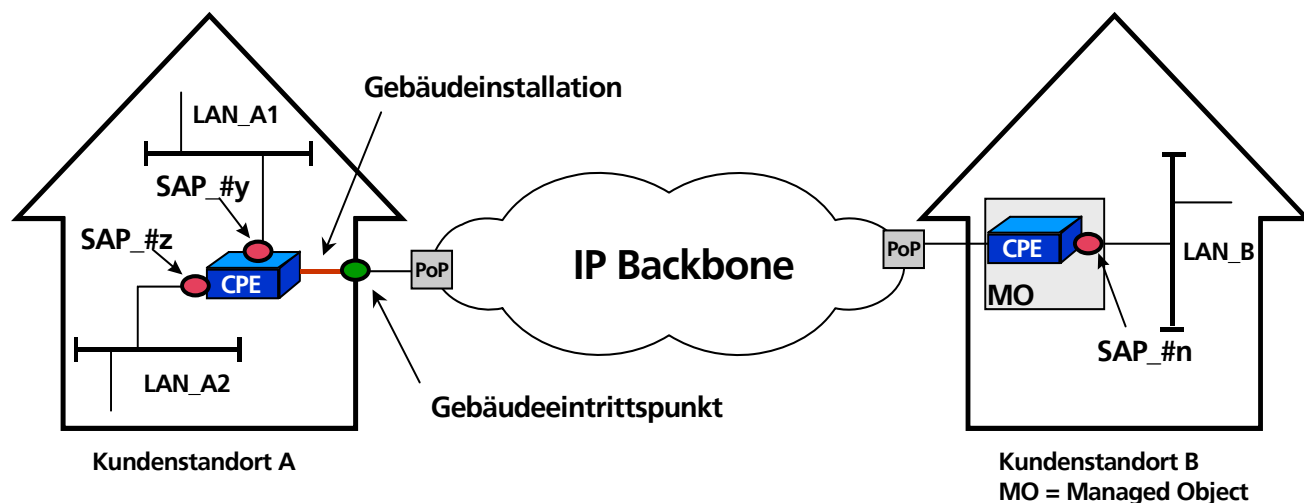
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The following pages describe the "Finance IPNet End-Customer Connection" service offering from Swisscom Solutions.

1. Definitions

1.1 Service Access Point (SAP)

The SAP is the logical and/or physical interface between the areas of responsibility of the customer and those of Swisscom Solutions. The contractually agreed services are available at the "Finance IPNet" SAP.



Multiple SAPs are possible per CPE (customer premises equipment). Each SAP is a separate Managed Object (MO).

1.2 Managed Objects

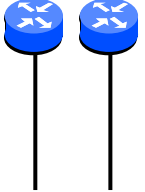
Managed Objects (MOs) are service elements managed by Swisscom Solutions. Their availability is measured and reported in accordance with the contractually defined Service Level Agreement. The Managed Object for the "Finance IPNet" is the Service Access Point defined on the CPE interface. It comprises all logical and physical service characteristics as defined in the contract. Managed Objects are divided into classes that correspond to the various availability levels including the associated guarantees. The following table sets out the Managed Object classes available for the "Finance IPNet".

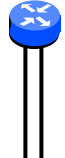
Managed Object MO	Max. Service Downtime per Event (SDT Single)	Max. Service Downtime Accumulated (SDT Remaining)	Access Redundancy
SDT8	8 hours	4 hours	No access redundancy
SDT4	4 hours	2 hours	Partial access redundancy
SDT1	1 hour	½ hour	Full access redundancy

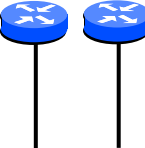
SDT: Service Downtime

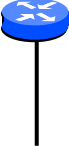
1.2.1 Definition of MO Class in Relation to Possible Access Types

The contractually relevant parameters of the MO classes are the SDTs (guaranteed maximum service downtimes).

SDT1	Dual Access / Dual PoP	
Premium service level	<p>Optical fibre connection – Full access redundancy.</p> <p>All elements are implemented with full redundancy. The access lines run along separate routes. Wherever possible, access to multiple PoPs is utilized. HSRP (Hot Standby Routing Protocol) is used to interconnect the redundant CPEs. A physical LAN connection (Layer 2) between the redundant CPEs must be provided by the customer (LAN cable, hub, switch, etc.). The LAN connection between the CPEs must not exceed the physical length of 100 metres (limitation of Ethernet with copper wire).</p>	

SDT4	Dual Access / Single PoP	
Premium service level	<p>Optical fibre connection - Partial access redundancy.</p> <p>The access lines and corresponding interfaces are redundant. The access lines normally along the same route.</p>	

SDT4	Dual Access / Single PoP	
Premium service level	<p>Copper wire connection – Partial access redundancy up to PoP</p> <p>The routers and access lines are implemented redundantly. The access lines normally run along the same routes to different interfaces in the same POPs. HSRP (Hot Standby Routing Protocol) is used to interconnect the redundant CPEs. A physical LAN connection (Layer 2) between the redundant CPEs must be provided by the customer (LAN cable, hub, switch, etc.). The LAN connection between the CPEs and the switch (or hub) must not exceed the physical length of 100 metres (limitation of Ethernet with copper wire).</p>	

SDT8	Single Access / Single PoP	
Premium service level	Optical fibre or copper wire connection Standard implementation	

The defined bandwidth for SDT1 and SDT4 is also fully available in the event of a partial failure. As such, quality is not impaired even in the event of a partial failure.

2. Single Access

2.1 Single Access – MO Class SDT8 Service Description

Characteristics	Description
Bandwidths	See table below
MO class	SDT8; corresponds to 99.90% of average monthly availability*)
Interface	10BaseT / 100BaseT
Protocol	IP
Service	Proactive management in the event of faults / SLA 4.1
Support time	See OPTION Support times

*) Availability relates to a service time of 7 x 24h

2.1.1 Single Access – MO Class SDT8 Prices

Copper Wire Connection (Download / Upload)	Switzerland and PL Prices in CHF (excl. VAT)	Switzerland Prices in CHF (excl. VAT)	PL Prices in CHF (excl. VAT)
	One-time	Monthly	Monthly
300 / 300 kbps	1000.00	264.00	N/A
512 / 512 kbps	1900.00	N/A	740.00
600 / 600 kbps	1000.00	376.00	N/A
4000 / 600 kbps	1000.00	416.00	N/A
6000 / 600 kbps	1000.00	512.00	N/A
1000 / 1000 kbps	1900.00	N/A	820.00
(SDSL) 1200 / 1200 kbps	1500.00	512.00	N/A
(SDSL) 1800 / 1800 kbps	1500.00	640.00	N/A
2000 / 2000 kbps	1900.00	N/A	1050.00
(SDSL/4W) 2400 / 2400 kbps	1500.00	928.00	N/A
(SDSL/4W) 3600 / 3600 kbps	1500.00	928.00	N/A
4000 / 4000 kbps	1900.00	N/A	1580.00

OPTION Support Times	Switzerland and PL Prices in CHF (excl. VAT)	Switzerland Prices in CHF (excl. VAT)	PL Prices in CHF (excl. VAT)
	One-time	Monthly	Monthly
Standard (SS5) Mon-Fri 07.00 – 18.00	Included with connection	Included in monthly connection charge	Included in monthly connection charge
Standard (SS6) Mon-Sat 07.00 – 18.00	45.00	32.00	40.00
Extended Service Time 5 (ES5) Mon-Fri 06.00 – 22.00	45.00	32.00	Only available with optical fibre connection
Extended Service Time 6 (ES6) Mon-Sat 06.00 – 22.00	45.00	80.00	Only available with optical fibre connection
Full Support Service Time (FS7) Mon-Sun 7 x 24h	45.00	112.00	Only available with optical fibre connection

PL = Principality of Liechtenstein

Based on a feasibility study (location, distance, subscriber drop), Swisscom Solutions can calculate and quote a price for "Finance IPNet" connections outside Switzerland.

3. Dual Access / Single PoP

3.1 Dual Access / Single PoP – MO Class SDT4 Service Description

Characteristics	Description
Bandwidths	See table below
MO class	SDT4; corresponds to 99.95% of average monthly availability*)
Interface	10BaseT / 100BaseT
Protocol	IP
Service	Proactive management in the event of faults / SLA 4.1
Support time	See OPTION Support times
Special	Redundant connection, line routed via same route

*) Availability relates to a service time of 7 x 24h

The SDT4 connection profile is a connection designed to meet the need for increased availability through two access lines and two terminals (CPE).

3.1.1 Dual Access / Single PoP – MO Class SDT4 Prices

(The "SDT4" connection is not available in the Principality of Liechtenstein)

Copper Wire Connection (Download / Upload)	Switzerland Prices in CHF (excl. VAT)	Switzerland Prices in CHF (excl. VAT)
	One-time	Monthly
300 / 300 kbps	1500.00	536.00
600 / 600 kbps	1500.00	744.00
4000 / 600 kbps	1500.00	816.00
6000 / 600 kbps	1500.00	984.00
(SDSL) 1200 / 1200 kbps	1900.00	984.00
(SDSL) 1800 / 1800 kbps	1900.00	1216.00
(SDSL/4W) 2400 / 2400 kbps	1900.00	1792.00
(SDSL/4W) 3600 / 3600 kbps	1900.00	1792.00

Both lines are included in the above prices.

OPTION Support Times	Switzerland Prices in CHF (excl. VAT)	Switzerland Prices in CHF (excl. VAT)
	One-time	Monthly
Standard (SS5) Mon-Fri 07.00 – 18.00	Included with connection	Included in monthly connection charge
Extended Service Time 5 (ES5) Mon-Fri 06.00 – 22.00	45.00	32.00
Extended Service Time 6 (ES6) Mon-Sat 06.00 – 22.00	45.00	80.00
Full Support Service Time (FS7) Mon-Sun 7 x 24h	45.00	112.00

Based on a feasibility study (location, distance, subscriber drop), Swisscom Solutions can calculate and quote a price for “Finance IPNet” connections outside Switzerland.

4. Dual Access / Dual PoP

4.1 Dual Access / Dual PoP – MO Class SDT1 Service Description

Characteristics	Description
Bandwidths	CH: 2 Mbps ... 100 Mbps PL: 512 kbps ... 40 Mbps
MO class	SDT1; corresponds to 99.98% of average monthly availability*)
Interface	100BaseTx/Fx
Protocol	IP
Service	Proactive management in the event of faults / SLA 4.1
Support time	See OPTION Support times
Special	Fully redundant route management with optical fibre

*) Availability relates to a service time of 7 x 24h

4.1.1 Dual Access / Dual PoP – MO Class SDT1 Prices

Optical Fibre Connection (Download / Upload)	Switzerland and PL	Switzerland and PL
	One-time	Monthly
CH: 2, 4, 6, 8, 10, 30, 50, 70, 100 Mbps	On request	On request
PL: 1, 2, 4, 6, 8, 10, 20, 30, 40 Mbps	On request	On request

PL = Principality of Liechtenstein

Based on a feasibility study (location, distance, subscriber drop), Swisscom Solutions can calculate and quote a price for Finance IPNet lines using Optical fibre.

Price enquiries to:

Telekurs Services AG
 Telecommunication
 Comm. Services
 Hardturmstrasse 201
 CH-8021 Zurich
 Tel: +41 44 279 33 33
 Fax: +41 44 279 34 77
 E-mail: comm.admin@telekurs.com

5. Finance IPNet Options

5.1 Quality of Service

Connection	Switzerland and PL Prices in CHF (excl. VAT)	Switzerland and PL Prices in CHF (excl. VAT)
	One-time	Monthly
Copper wire	300.00	40.00
Optical fibre	300.00	140.00

PL = Principality of Liechtenstein

The classes Gold, Silver and Bronze are supported.

These prices apply to all connection profiles irrespective of location. In the case of Dual Access connection profiles, prices cover the two lines and CPE irrespective of location.

Based on a feasibility study, Swisscom Solutions Ltd can ascertain the feasibility and quote a price for the QoS option for connections outside Switzerland.

5.2 Multi VPN on Customer's Own Network

If a Multi VPN connection is implemented to obtain the service on the customer's own network, the existing LAN-Interconnect over IPSS contract between the customer and Swisscom Solutions Ltd shall apply.

In addition to the prices in the LAN-Interconnect over IPSS contract, the following prices are billed for this option.

Optical Fibre Connection	Switzerland Prices in CHF (excl. VAT)	Switzerland Price per VPN in CHF (excl. VAT)
	One-time	Monthly
SDT8	300.00	100.00
SDT4	500.00	180.00
SDT1	500.00	180.00

Based on a feasibility study, Swisscom Solutions Ltd can ascertain the feasibility and quote a price for the Multi VPN option for connections outside Switzerland incl. the Principality of Liechtenstein.

5.3 Encryption (SecureCER)

Connection	Switzerland Prices in CHF (excl. VAT)	Switzerland Prices in CHF (excl. VAT)
	One-time	Monthly
SDT8 / Copper wire	720.00	150.00
SDT8 / Optical fibre	720.00	560.00
SDT4 / Copper wire	720.00	240.00
SDT4 / Optical fibre	720.00	600.00
SDT1 / Optical fibre	1044.00	800.00

These prices apply to all connection profiles irrespective of location.
In the case of Dual Access connection profiles, prices cover the two lines and CPE irrespective of location.

Based on a feasibility study, Swisscom Solutions Ltd can ascertain the feasibility and quote a price for the Encryption option for connections outside Switzerland incl. the Principality of Liechtenstein.

6. Changes to a Finance IPNet Connection

A pure bandwidth change on an existing Finance IPNet connection within Switzerland and within the restrictions of the Finance IPNet connection can normally be implemented within two working days. A further bandwidth change can only be implemented after one month has expired.

For all other changes, which require hardware to be changed or moved, the provisioning period is approx. six weeks from receipt of order.

During a transitional period of one month maximum (parallel operation), the CUSTOMER pays for the new Finance IPNet connection only.

6.1 Cost of Changes

Connection	Switzerland and PL Prices in CHF (excl. VAT)	
	One-time	Monthly
Speed upgrade with no hardware replacement on an existing connection	150.00	As per price list 2.1.1, 3.1.1 and 4.1.1
Change with hardware replacement on an existing connection	50% of usual costs	As per price list 2.1.1, 3.1.1 and 4.1.1
Configuration changes on the router (static routes)	150.00	--

PL = Principality of Liechtenstein
Outside Switzerland: Prices on request

7. Special Provisions

The technical solution and the price elements may be modified in the course of further consultation. In particular the technical practicability (feasibility/bandwidth) of the SDSL connection largely depends on the particular length/quality of the line and cannot always be guaranteed.

If these specifications meet your expectations, please select the relevant product from the shopping cart and forward to the address below:

Telekurs Services AG
Telecommunication
Comm. Services
Hardturmstrasse 201
CH-8021 Zurich

8. Additional Documents

Additional documents on "Finance IPNet" such as:

- "Finance IPNet" contract
- Service Level Agreement
- Service Description
- General Terms and Conditions

can be obtained at any time from Swisscom Solutions (adrian.keiser@swisscom.com).

9. Telekurs Services AG Services

Connection	Prices in CHF (excl. VAT)
	Each
Initial commissioning or relocation of line end point	2400.00

Operation of the helpdesk as well as processing document traffic between the end customer and Swisscom Solutions. This includes orders, changes and terminations as well as updating and managing contracts and documentation; assignment of the Telekurs IP address range, clarification with the customer and the ASPs regarding which services are obtained. Services also include implementing, adjusting or cancelling connections from the Extranet Access to the required services as well as carrying out a function test.