

## Notes on SDNet Line Service Application (PRS)

---

### 1 Application

- 1.1 Fill in the SDNet Line Service Application Form and sign by an Authorized person.
- 1.2 Fax or Email the form to HKFE. Mail the duly signed form back to the Market Data Department of the Hong Kong Exchanges and Clearing Limited for counter signature.
- 1.3 Fax Number: 28772960 / Email Address: IVSupport@hkex.com.hk
- 1.4 Enquiry:
  - Mr. Elvis You at (852) 2840-3491
  - Mr. Evan Chan at (852) 2840-3058
- 1.5 Service delivery lead time is 6 weeks.  
Note: There will be a check point 1 week after application (for line application or relocation) is received; by when PCCW will confirm whether the fibre installation may face obstacles depending on the address of the installation site.
- 1.6 The lead time for application processing is about one week.  
Service lead time after application is confirmed:
  - 4 weeks for line termination and 2 week for reconfiguration
  - 6 - 8 weeks for relocation and new line installation

### 2 Installation Highlights –

Vendor should:

- 2.1 Decide the location and clear space for SDNet modems and routers and prepare AC power sockets.
- 2.2 Assign an on-site contact person for the line installation work. This person should know the exact location of the installation, ensure the space is sufficient according to equipment specification and ensure power socket readiness.
- 2.3 The contact person will work with PCCW on fiber routing and help to obtain approval from the Building Management Office (BMO) for fiber works in the building.
- 2.4 The contact person will work with PCCW on SDNet equipment installation.
- 2.5 Review the SDNet Fiber and Equipment Installation Guide as attached.

### 3 Billing and Payment

*“Telecommunication Lines” shall mean the communication links, including the telecommunication services and associated routers, used by the Vendor for receiving the composite signal from HKFE under the price reporting agreement between the Vendor and HKFE (the “PRS Agreement”).*

#### Line Rentals

- 3.1 The line rental charge (“Annual Line Service Fee”) for the Telecommunication Lines will be bill annually in advance. The first Annual Line Service Fee shall be payable on or prior to connection to the SDNet and shall be pro rated on a monthly fee basis according to the number of calendar months remaining in the calendar year and the number of days remaining in the calendar month within which the SDNet connection was effected. The Annual Line Service Fee for each subsequent calendar year shall be payable annually in advance on the first business day of each calendar year. Any Annual Line Service Fee paid in advance will be refundable on the same pro-rata basis as mentioned above upon termination of the PRS Agreement provided that no refund shall be made if the PRS Agreement is terminated by HKFE under clause 9.1 or if no corresponding refund is made by PCCW to HKFE and provided that a minimum Telecommunication Lines subscription period of 3 months shall apply.
- 3.2 The Telecommunication Lines shall be automatically disconnected at any time the PRS Agreement is terminated for whatever reason. Notwithstanding any provisions of the PRS Agreement, HKFE further reserves the right to disconnect the Telecommunication Lines at any time in the event that the Annual Line Service Fee is overdue.
- 3.3 Notwithstanding clause 3.3 or any other provision of the PRS Agreement, HKFE shall be entitled to vary the Annual Line Service Fee at any time by giving the Vendor one month’s notice in advance and the Vendor shall not be entitled to terminate the PRS Agreement under clause 3.3 by reason of any such variation. HKFE shall be entitled to vary the billing frequency and billing time at any time by giving the Vendor one month’s notice.
- 3.4 You are required to settle payment before the due day stipulated in the invoice for Annual Line Service Fee.

#### One-time Service Fee

3.5 One-time services will be billed upon job completion. You are required to settle payment before the due day stipulated in the invoice for Line Services.

#### 4 Charges for Line Services

- Line Rental

Bandwidth	Annual Line Service Fee (HK\$) (per single circuit and router)
2 Mbps Fiber	\$22,800 per annum (i.e. \$1,900 per month)
3 Mbps Fiber	\$29,760 per annum (i.e. \$2,480 per month)
4 Mbps Fiber	\$36,960 per annum (i.e. \$3,080 per month)
5 Mbps Fiber	\$37,200 per annum (i.e. \$3,100 per month)
6 Mbps Fiber	\$38,400 per annum (i.e. \$3,200 per month)
7 Mbps Fiber	\$39,600 per annum (i.e. \$3,300 per month)

- One-time Line Service Fee (HK\$)

One-time Line Services	One-time Line Service Fee (HK\$) for each circuit	
	2 Mbps Fiber	3 - 7 Mbps Fiber
New Installation	0	0
Termination	0	0
External Relocation	\$4,500	\$5,000
Internal Relocation	\$1,300	\$1,500
Reconfiguration	\$500	\$500
Bandwidth Upgrade	\$1,500	\$1,500

Remarks:

- 1.No additional charge will be involved for one-time services required to be implemented outside office hours.
- 2.Minimum line rental period is 3 months.

### SDNet Fiber & Equipment Installation Guide

#### 1. Circuit Installation Flow

- a) The Vendor should ensure the completion of the preparation items listed in the **“Preparation Checklist for SDNet Installation”**.
- b) PCCW will contact the Vendor’s Contact Person for arranging the site survey if required.
- c) The Vendor will be requested to allow site visits by PCCW staff for pre-installation study, fiber pre-wiring and network equipment installation.
- d) After the site survey, PCCW will confirm the Vendor on fiber link installation date. PCCW will also advise of any resource shortage such as AC Power Supply.
- e) The Vendor is required to provide adequate facilities (such as A/C power sockets and space) before line installation and support for installation of network equipment in their premises during non-office hours. For details, see **Requirements for Circuit Installation**.
- f) If considered necessary, the Vendor may be requested to coordinate with the Building Management Office (BMO) in order to allow the laying of fiber cables in the building.
- g) The Vendor will support the fiber link installation and router installation (during non-office hours).

## 2. Preparation Checklist for Installation

Description of items to check
1. Decide the location for network equipment
2. Provide sufficient space to house the equipment (see <b>Requirements for Circuit Installation</b> )
3. Prepare AC power sockets (220V with standard 13A sockets) for the new network equipment <ul style="list-style-type: none"><li>For dual lines, 7 power sockets are required.</li><li>For single line, 5 power sockets are required.</li></ul>
4. Decide open wiring or concealed wiring for the new lines. If concealed wiring is needed, prepare to provide cable conduit. Help get approval from your building management if necessary.
5. Select an on-site contact person for support of the installation work by PCCW. This person should be familiar with the requirements stated in <b>Requirements for Circuit Installation</b> .

*Vendor should ensure the completion of all items listed in the Preparation Checklist.*

### Requirements for Circuit Installation

#### 1. Network Equipment

The following network equipment will be provided and installed by PCCW:

- For dual circuit, there will be 1 fiber termination box, 2 routers, 2 fiber modems.
- For single circuit, there will be 1 fiber termination box, 1 router, 1 fiber modem.
- The Ethernet interface port of SDNet router is configured to 100M Full Duplex (Hard-Coded)

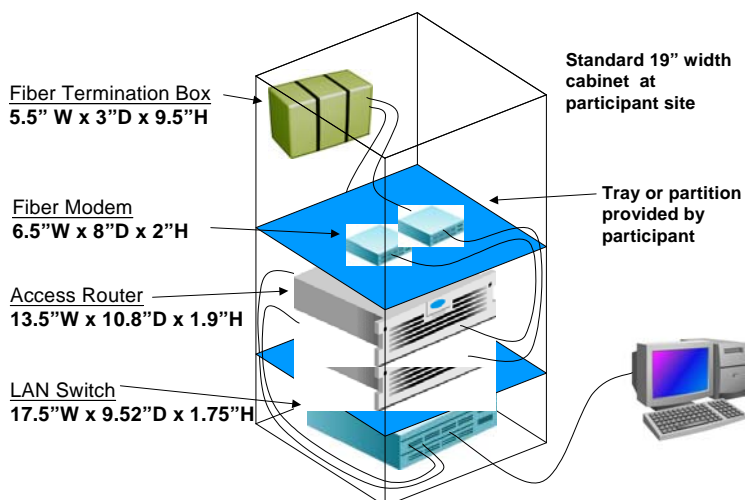
Note1): The routers provided are desktop version (rack-mounted type is not supported).

Note2): The fiber termination box may not be required if there is already fiber installed to the cabinet.

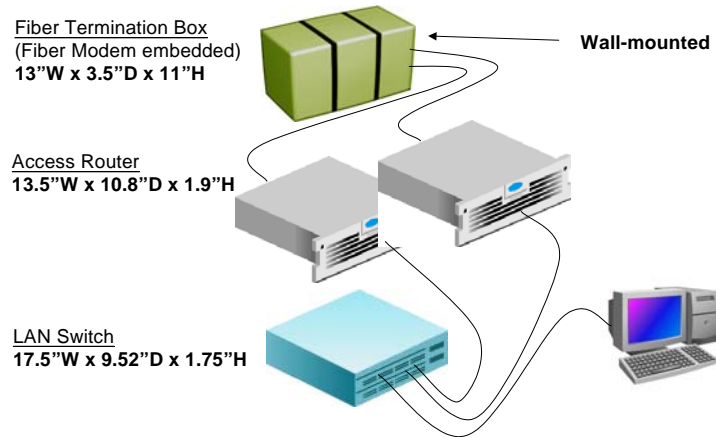
#### 2. Accommodation Requirements

The Vendor should provide sufficient accommodation to house the new equipment as follows (an example of dual circuit installation). Note that the LAN Switch is provided by the Vendor; the size quoted below is an example for Cisco 2950 Switch. The Network Gateway server is also provided by the Vendor.

[1] Space inside Vendor's data cabinet



[2] Desktop space



### 3. AC Power Supplies

AC power supplies (220V) with standard 13A sockets should be prepared by the Vendor before PCCW pay visit for installations. They should be adjacent to the new equipment to be installed, and distance from power sockets to the equipment should be less than 2 metres. Stable AC power supplies is required (UPS is recommended).

For dual circuit, 7 power sockets (4 for SDNet Circuits and 3 for Vendor's Switch & Network Gateway server) will be required; and separate (dual) AC power feeds and fuses are required.

For single circuit, 5 power sockets (2 for SDNet Circuits and 3 for Vendor's Switch & Network Gateway server) will be required.

### 4. Precautions and Environments for Line Installation

- a) Secure accommodation should be provided to house the new equipment.
- b) Do not bend the fiber cables and patching cords (yellow in color).
- c) Environmental conditions: air-conditioned with ventilation.
- d) For fiber pre-wiring works at Vendor sites, PCCW will make use of the cabling facilities provided by the Vendor as far as possible. If it is not feasible, PCCW will provide necessary facilities for cable fixing or protection along the route. In case relocation of the provided facilities is required in future, PCCW will consider charging the Vendor the costs required for such alternation.

- End of Notes -