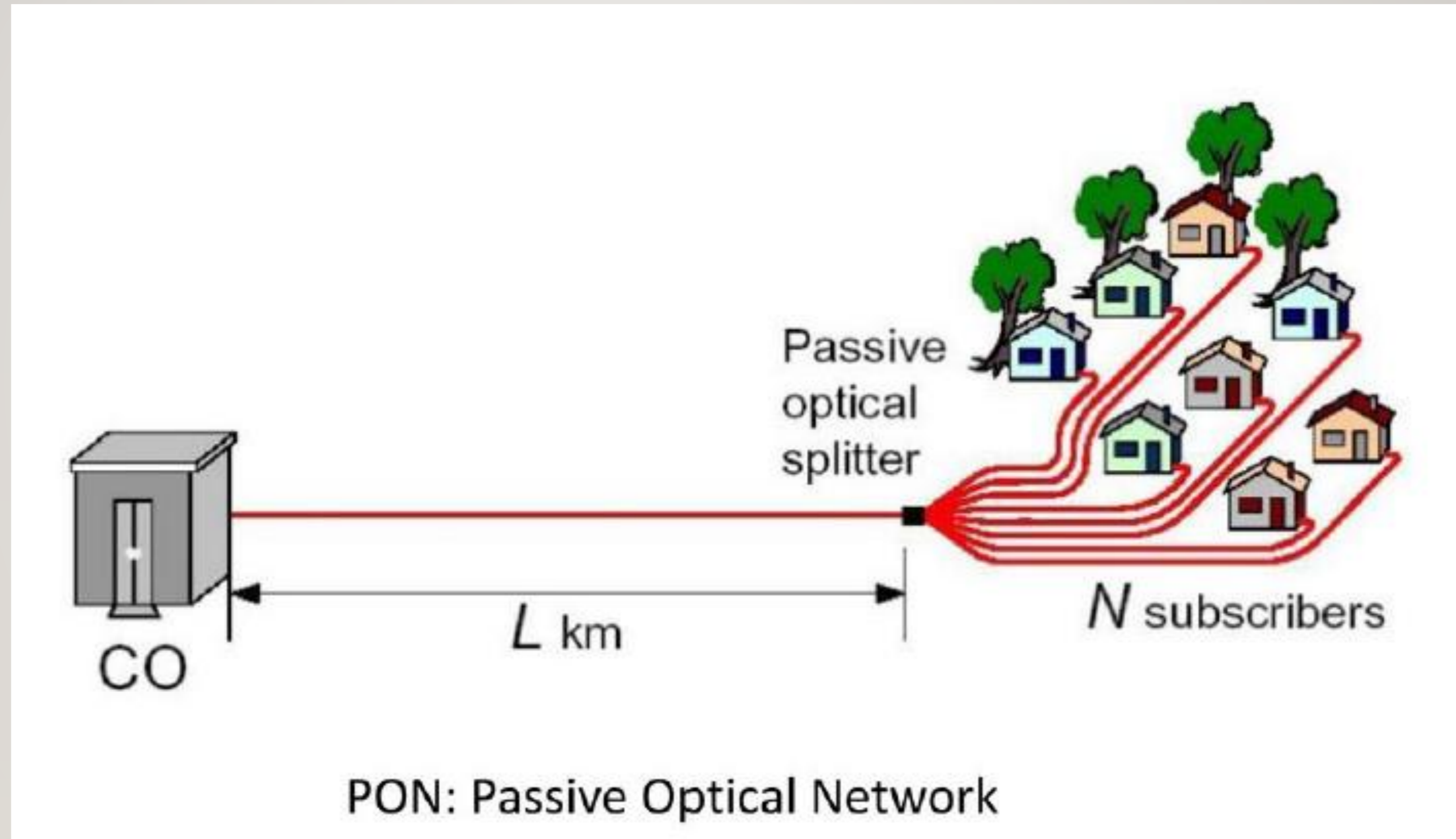


SISTEM KOMUNIKASI OPTIK

- **MATERI 11**
- **PASSIVE OPTICAL NETWORK (PON)**
- D3 Teknologi Telekomunikasi – Fakultas Ilmu Terapan



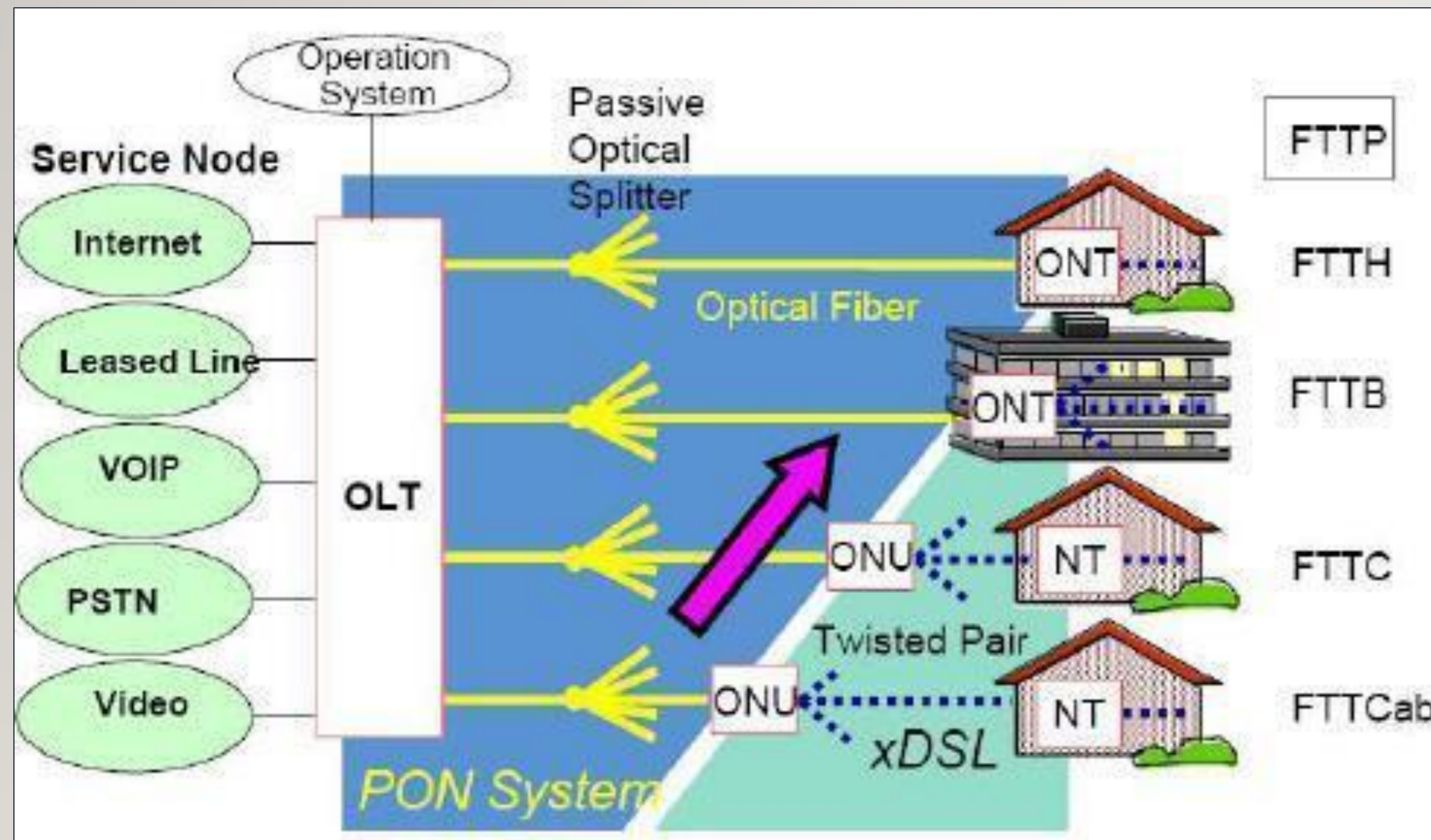
MENGAPA PON ?



PON: Passive Optical Network

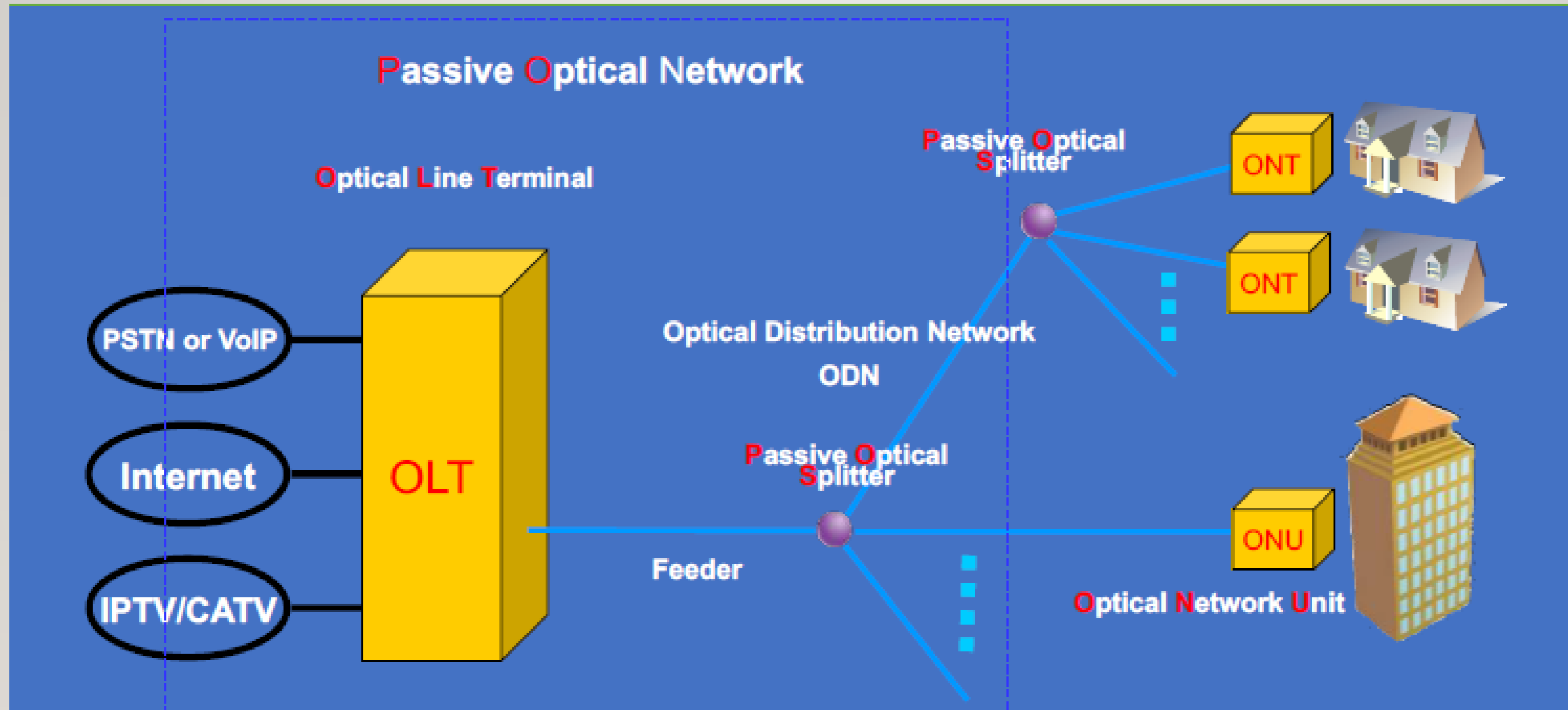
Teknologi PON

► Teknik Multiple Access TDM (Time Division Multiplexing)



- ❑ Teknologi Gigabit Ethernet Passive Optical Network (GEPON) : standar IEEE 802.3ah
- ❑ Teknologi Gigabit Passive Optical Network GPON : standarisasi ITU-T G.984.

KOMPONEN JARINGAN PON



JENIS-JENIS PON

APON

- FSAN
- Konsep ATM

BPON

- ITU G.983.1 – G. 893.7
- WDM

EPON

- IEEE 802.3ah
- 1 GBps

GPON

- ITU-T G.984.
- 1.244 Gbps upstream
- 2.488 Gbps downstream



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