

Wholesale Cable Modem Service (Bitstream Access)



Abbreviations:

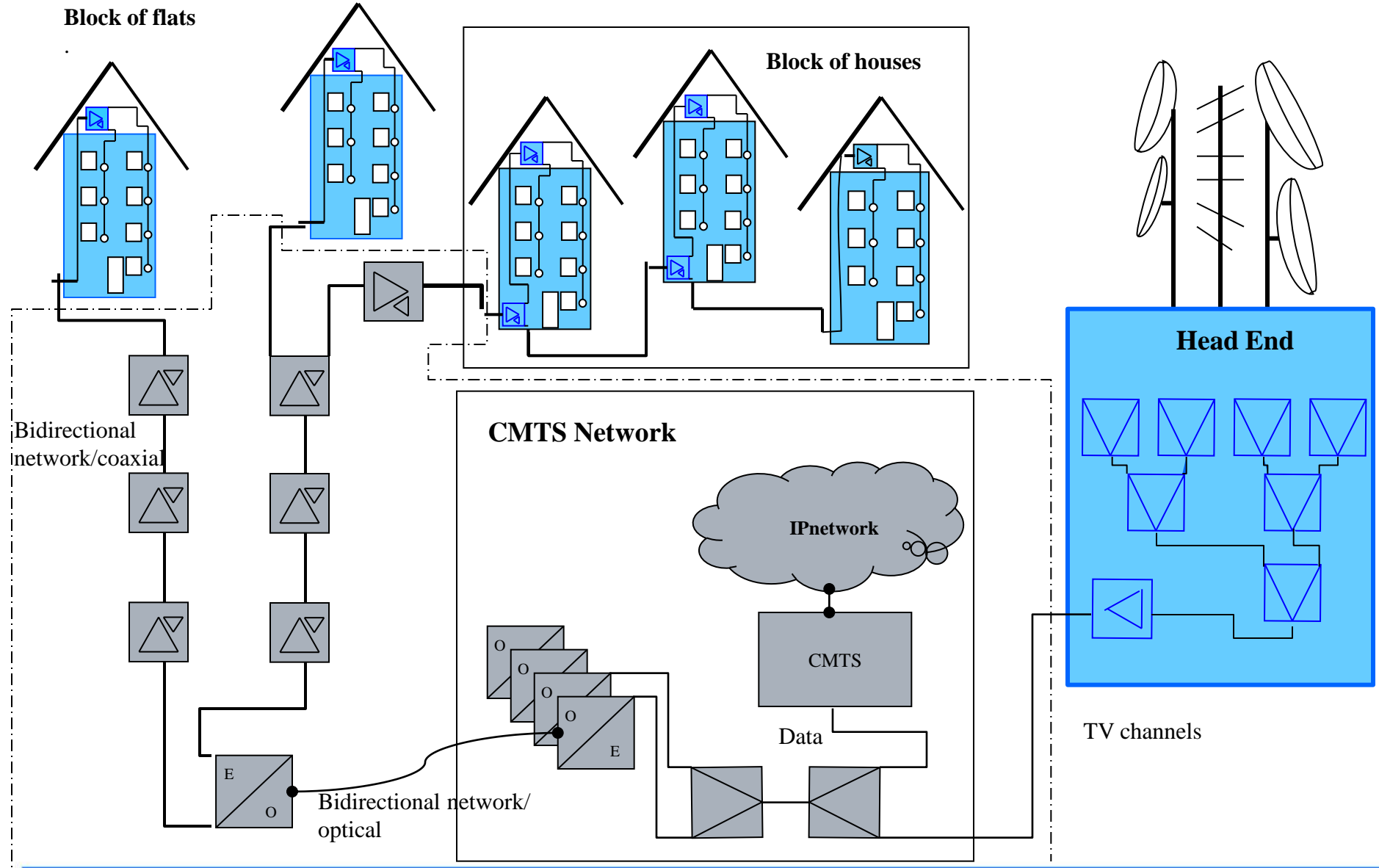
CMTS : Cable Modem Termination System.

DHCP : Dynamic Host Configuration Protocol.

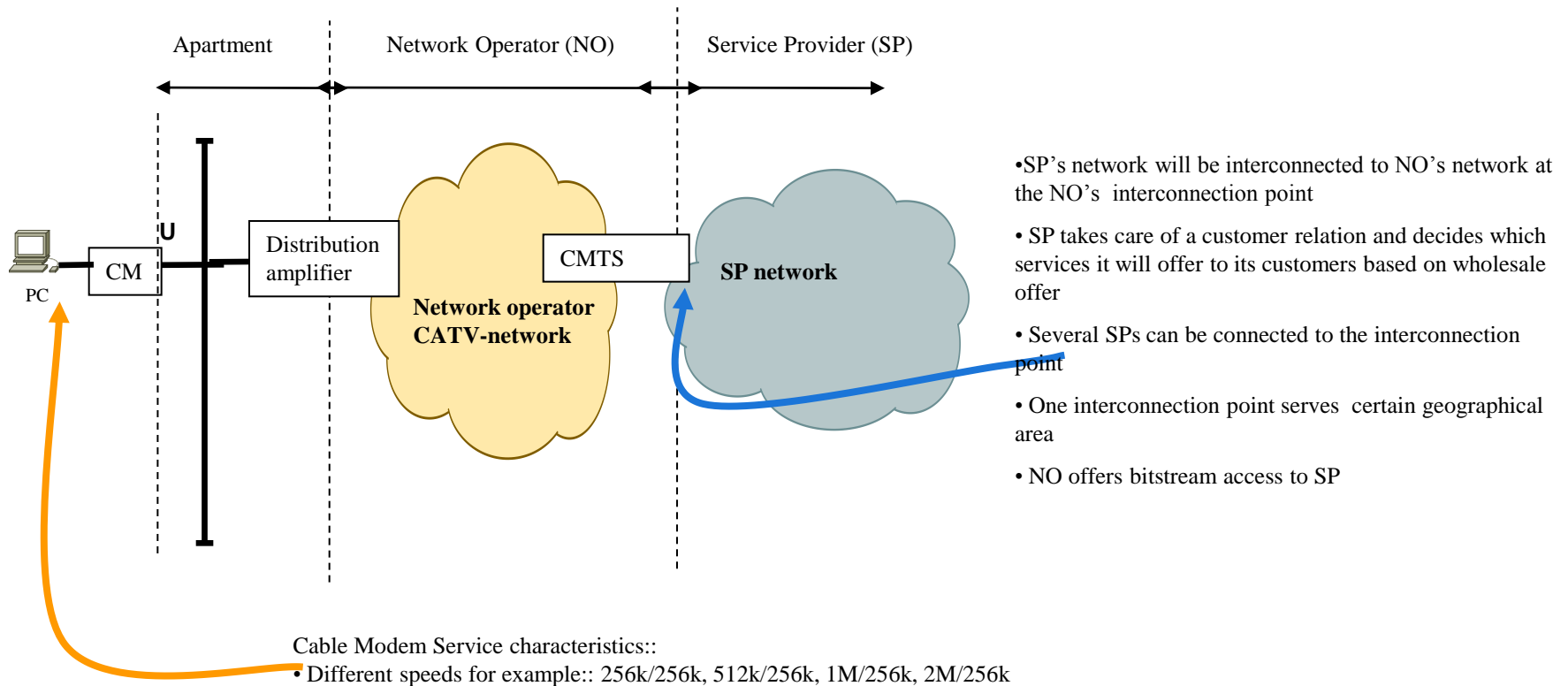
CM : Cable Modem.



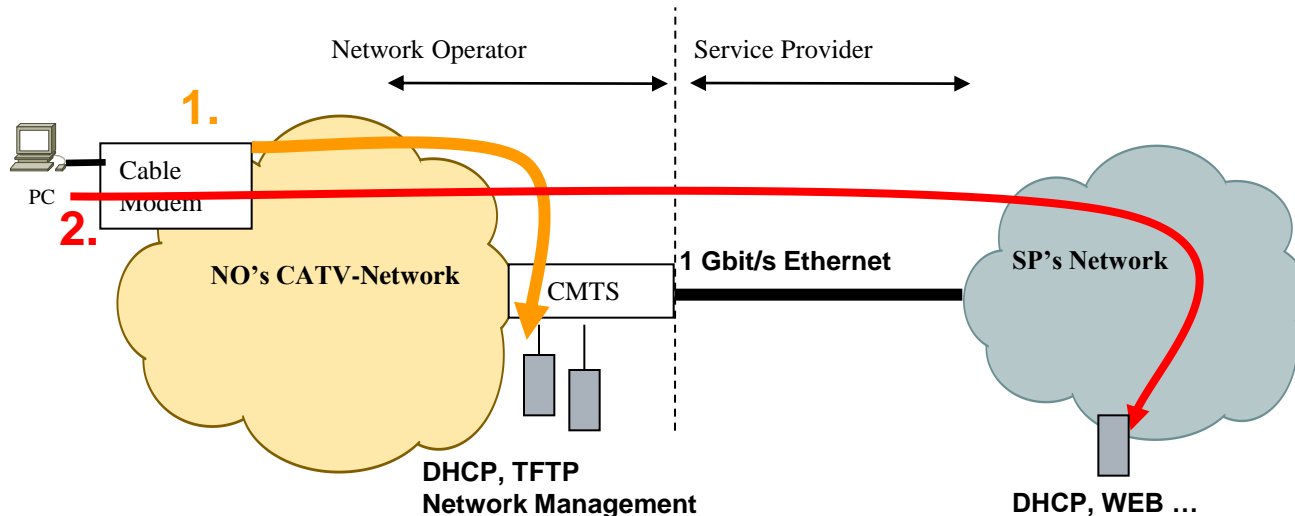
CATV- Network architecture



Logical Architecture of a Cable Modem Service



Network Operator (NO) – Service Provider (SP) Interface



Provision of Cable modem:

1. SP orders Customer connection from NO and will detail the MAC address of the customers cable modem. The cable modem will sign up to NO's network and NO's DHCP/TFTP-server will send the ordered profile to the cable modem.
2. Customer PC can now send and receive packets to SP's network. SP's DHCP-server will allocate IP-address to the customers PC. Customers PC can now send and receive packets to Internet.