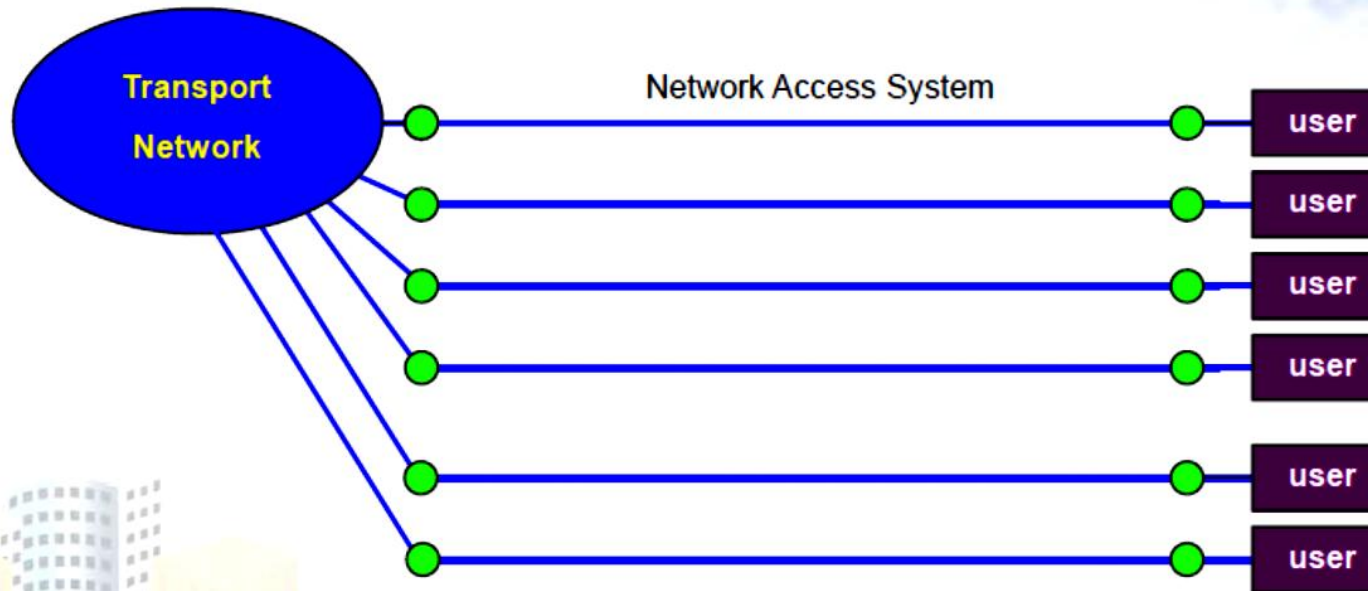


Access Systems-1

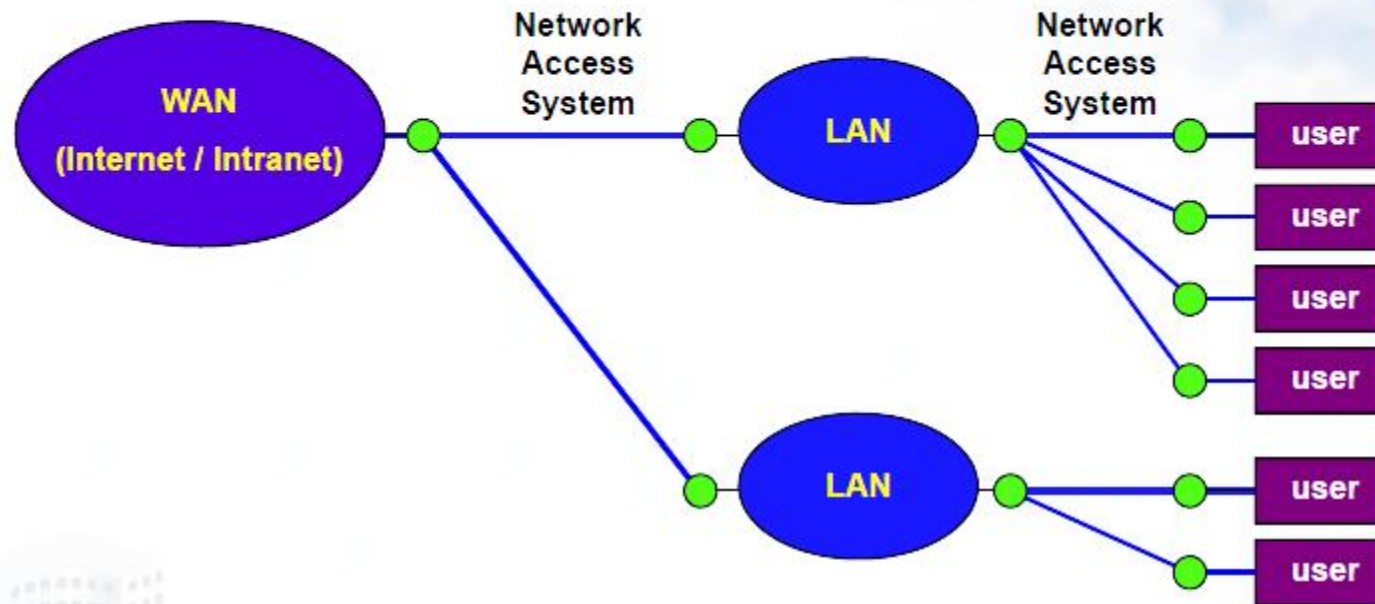


Overall Diagram



- The System is designed to transfer information from its point of generation (the user) to the first node of the (transport) network.

Point to Multipoint Architecture

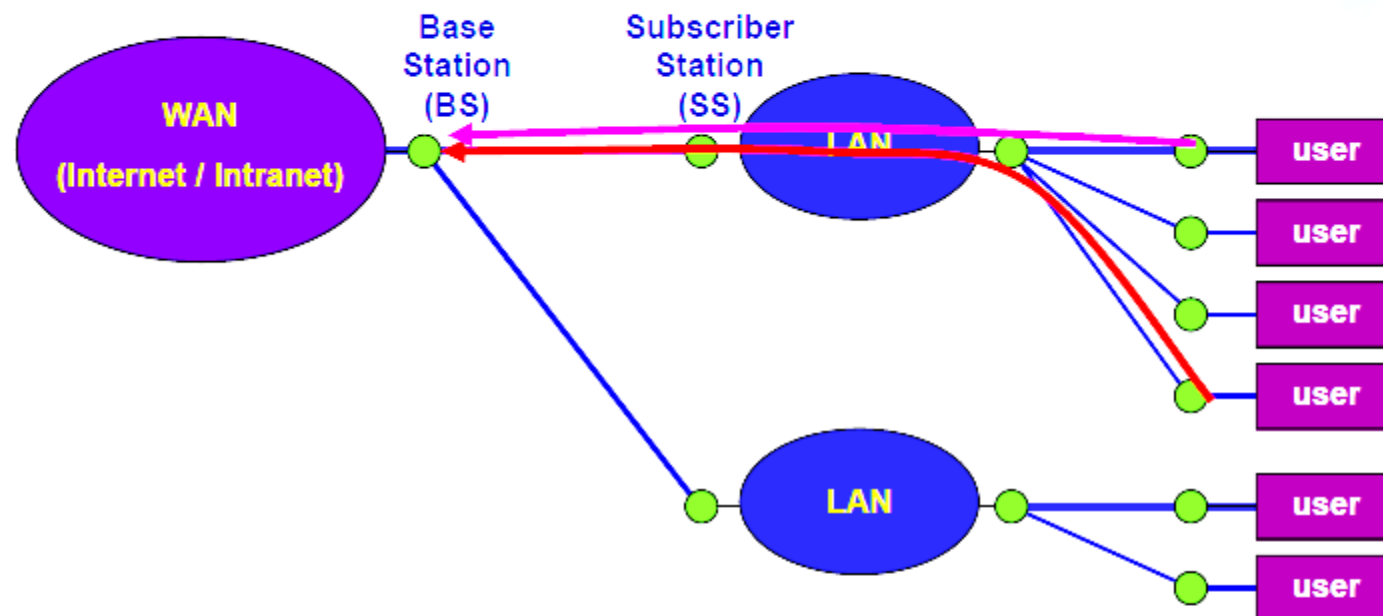


long(er) distances	short distances
high capacity	medium capacity
QoS mandatory	QoS not mandatory
licensed frequency bands (unlicensed also applicable)	unlicensed frequency bands
scheduled access	contention based access
IEEE 802.16	IEEE 802.11

Overall Diagram

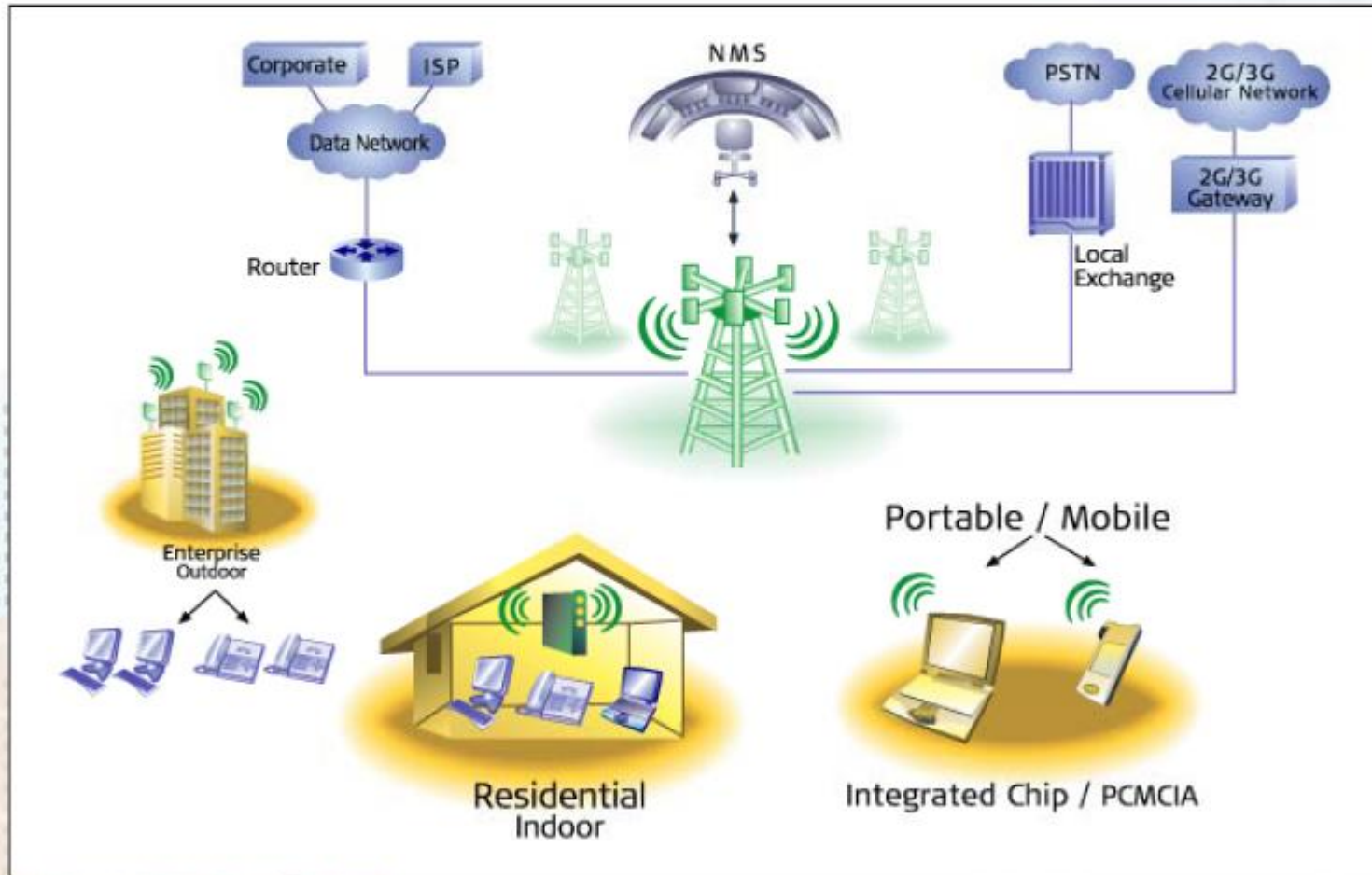


BWA Concepts (IEEE 802.16)



- Traffic is generated as Service Flows (SF)
- Service Flow is a flow of packets to which specific QoS level is guaranteed
- Service Flows and their associated QoS parameters are defined before the operation of the network, but can also be modified, added or deleted during operation
- Packets are identified as belonging to a specific Service Flow based on the Connection Identifier (CID)
- CID is used by Subscriber Stations (SS) to request uplink bandwidth grants from the Base Station (BS)

Typical Application



Thank you

