Network Requirements

ICNE532C - Computer Networks

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Data Communications Characteristics

- Delivery
- Accuracy
- Timeliness
- Jitter

Data Representation

- Text
- Numbers
- Images
- Audio
- Video

Data Flow

- Simplex
- Half-Duplex
- Full-Duplex

Network Criteria

- Performance
- Reliability
- Security

Physical Structures

- Type of Connection
  - Point to Point
  - Multi point
- Physical Topology
  - Mesh
  - Star
  - Bus
  - Ring

Network Types

- Local Area Network
- Wide Area Network
  - Point to Point WAN
  - Switched WAN
  - Internetwork
- Switching
  - Circuit-Switching
  - Packet-Switching

References

[1] Behrouz A. Forouzan *Data Communications and Networking*. McGraw-Hill fifth edition.