

Introduction to data communications for non-technical staff

A one day seminar

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Seminar Outline

1.- Representing the information

- Analog
- Digital
- Bit / Byte

2.- Transmission media

- Copper cables
- Optical fibers
- Wireless

3.- The need for communications equipment

- Voice over telephony infrastructure
- Data over telephony infrastructure
- Data over data infrastructure
- Voice over data infrastructure

4.- A structured approach to the communication process (OSI model)

5.- The global Internet

- History

- User connection

6.- Communications networks vs. Access systems

- WAN
- LAN
- PAN
- Wireless access standards
 - Bluetooth
 - WiFi
 - WiMAX

7.- Inventing FHSS (radio technology used in Bluetooth)

(A story about an actress and a radio military patent!)