SITE RM501 Commimication - Identification - introduction needed - method - you need to use common methods - Language - Greed - Proces - Lelecom - centralised, only interface in telephone - computers - embedded logic, network only manages transmission - converged network (VoIP, mobile internel) - Vypes - human mail enveloge address mailbox post affice data mil Demansulation mode address sending hansmission Dame orchors in smail partel switching circuit swithding - each passel finds its own way - slower fault-holerand - if broken daha is lost - Jasker Ilss reliable Jecurity - new negrirement - now it is simple the have maticions software - authentication, antivirus, encryption Icalabolity -layers - core - Marken connection to 1SP -nonten; switches (can be in separate moon) - dishribution - Cables and switches - ventical layer - occess layer - dennimated as close as possible to users - occess for end devices Fren 1 - direct access to Internet backbone Fren Z - without access he backbone whose cusheners are ISPs Then 3 - 15Ps who connect end cushomers

SITE P01502 Transmission purameters Galency - delay filler - variource of delay data loss - needs neseriting or loss refinjournation (can cause congestion) bandwiddh ("speed!) Order - we want ho dedicate bandwidth x wrgent messages - QoS Ray - best effort strategy WAN (client-server) History isolated systems - Lerminal systems proprietary lines - geographically limited - shawing resortnes (printers ) Internet) of nearby computers - mostly princate and centralised - public, managed by multiple organizations - Annelt Shat connects to CAN through WAN - encrypted Wherhel history 600 - packet switching 69 - argunel 77 - mekwork connected to ARPANET backbone 83- TCP/IP dominates 80s TCP/IP into BSD UNIX Regnes for Comments ('RFC) - Indernel "shandandization", information, best practices - many rules are how restrictive > users and servers violate - necommendation neceiver: holerant sender: conservatione IETF. OR6/Afr. Wind