



RC 3600 NETWORKS

PURPOSE

In order to overcome the problems of communications among computers of different kinds and situated at different locations, or to establish terminal networks for host computers, RC has developed the RCNET Data Communications Network.

NETWORK TYPE

RCNET is a general transportation service based on the packet switching technique and using the HDLC Line Protocol.

NODES AND HOSTS

The network nodes, which take care of the inter-net routing, are based on the RC 3600 series mini-computers. The host computers connected to RCNET and using it for message transportation could be any RC computer or computers of other makes.

PROTOCOLS

The basic link protocol of RCNET is HDLC (X.25 level 2 LAP B), and RCNET follows the ISO recommendations for Open Systems Interconnection (OSI).

ACCESS METHODS

RCNET access methods include X.25 DCE access, synchronous access with PAD (Packet Assembly/Disassembly) facilities for BSC communication, and asynchronous access via PADs according to X.28, allowing start-stop type terminals (TTY) to access the network. Further available are special access facilities such as channel attachment to IBM or compatible mainframes.