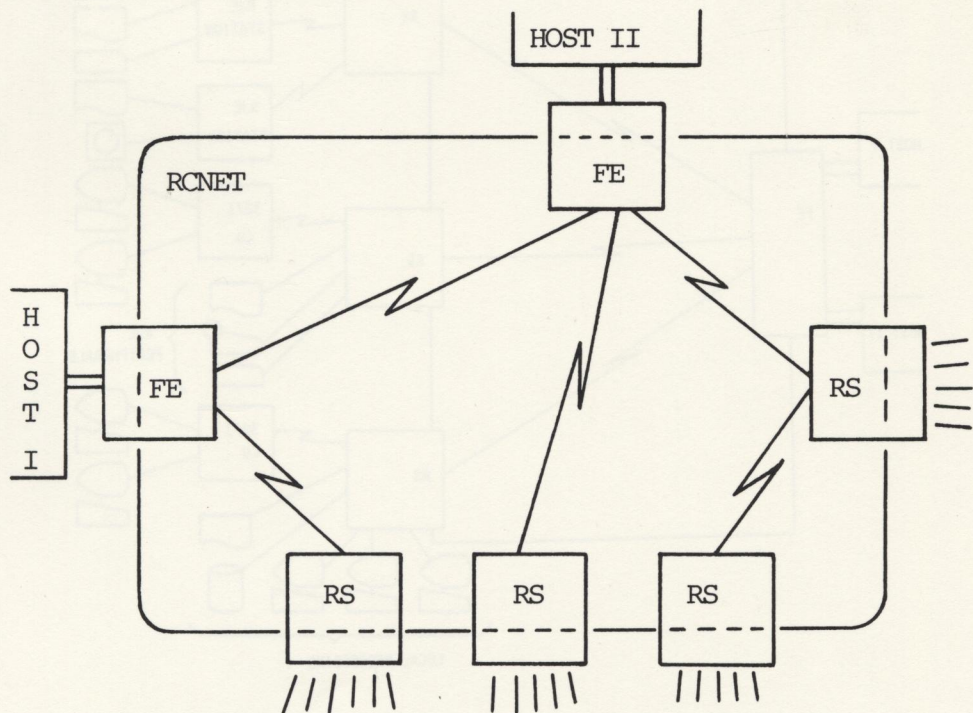




# ROCS RC3600 Online Communication System

- ONLINE SYSTEM FOR IBM HOST COMPUTERS
- COMMON COMMUNICATION FACILITIES FOR RJE AND INTERACTIVE TRAFFIC
- NO HOST SOFTWARE ADAPTION REQUIRED
- PACKET SWITCHED NETWORK TECHNIQUES
- ACCESS TO SEVERAL HOST SYSTEMS
- LOCAL PROCESSING FACILITIES
- CHANNEL ACCESS TO HOST



## GENERAL

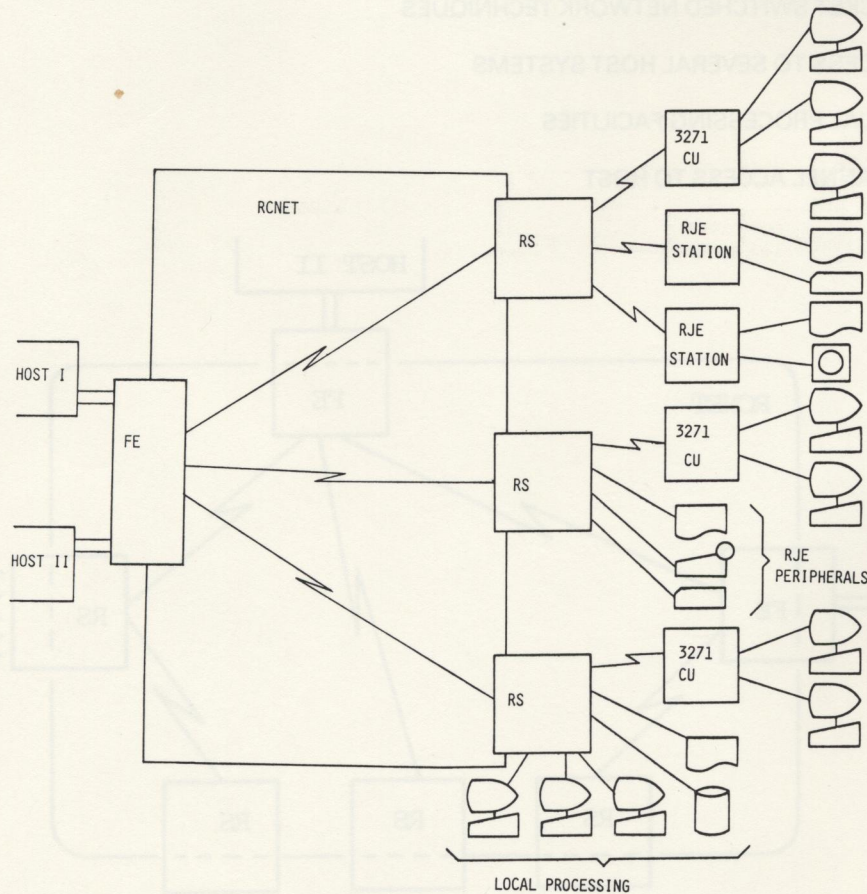
RC3600 Online Communication System ROCS is a complete and powerful solution to communication services of IBM mainframe users. ROCS is based on front-end, network and remote support systems and provides for intelligent multiplexing of interactive and RJE communications. Thereby the problems of incompatibility and of dedicated communication lines are solved in a way which immediately pays off in terms of saved line costs, and which moreover includes future flexibility in the adaption of new facilities. Surveying the ROCS structure more in detail exposes the advantageous design features.

From the host point of view the communication to and from the ROCS system is carried out via channel attachments simulating a number of local IBM devices (3272, Unit Record). This implies several benefits: No host TP software is required, an optimal utilization of channel connection, reduced CPU-load due to block oriented data-transfers and flexible adaption of channel protocol.

Several host systems can share the ROCS front-end giving users access to extended processing power.

The mixed interactive and RJE communication transportation is most effectively performed by an advanced, independent packet switching service. The network tools conform to RCNET allowing ROCS anytime to be upgraded to support additional network facilities. ROCS incorporates the use of modern HDLC line procedures (X.25 LAP B) for network interconnections. ROCS supports connection to public circuit switched network services as the Nordic Public Data Network, which implies that circuits are established only if user data is to be transferred.

The remote ROCS system enables adaption of terminal equipment without requiring costly upgrades. The on location intelligence enhances system performances and increases the number of local services. So the users can configure the support of interactive terminals, RJE workstations, BSC terminals, local peripherals and local data processing, maintaining an open-end structure.



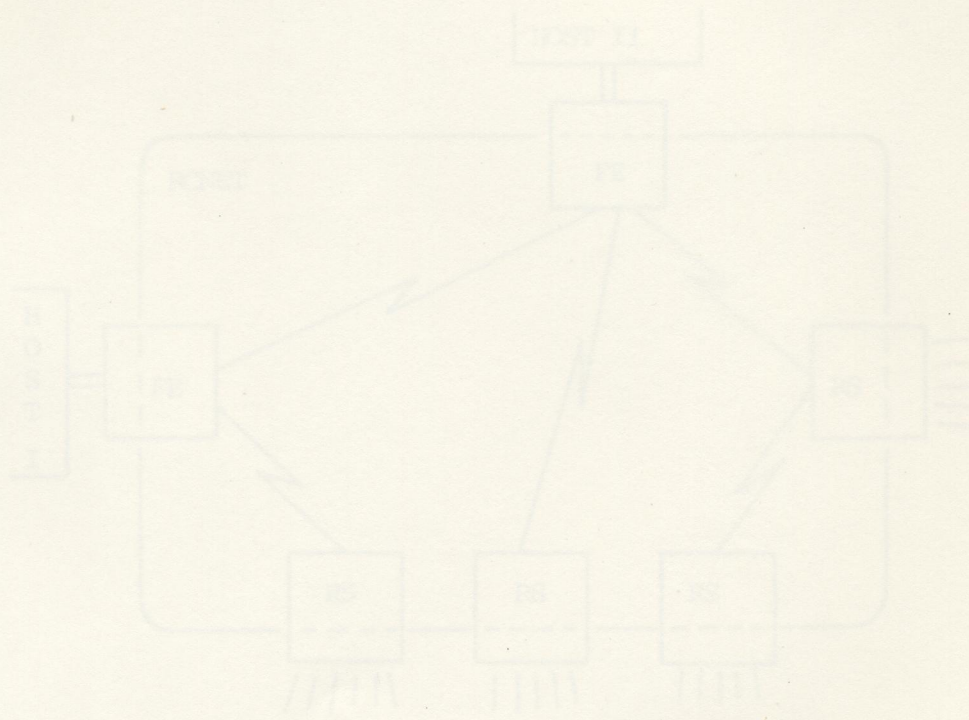
ROCS is designed for users of IBM host systems and offers optimum online service according to the mentioned design parameters explicitly:

- enquiry/update service (JMS, CICS, etc.) concurrently with RJE service (HASP, RES, JES, etc.).
- enquiry/update service, RJE service and local processing facilities such as conversions, data collection/distribution, key-entry and local program editing facilities.
- sharing of transmission facilities between many different communications tasks reduces the line costs significantly.
- several host systems can be accessed by the same terminal user.

The main characteristics of ROCS are as follows:

- Front-end System:** connection of up to 4 IBM host systems and up to 8 remote support systems per one front-end system, total throughput capacity 192.000 bps.
- Host Connection:** channel attachment simulating the IBM 3272 VDU controller and standard local Unit Record devices (IBM 3525, IBM 3535, IBM 1403).
- Host access Support:** TCAM/VTAM and BSAM/QSAM/VSAM.
- Network:** standard packet switching service, full duplex. Link Protocol: X.25 LAP B (HDLC). Link Speed: Max 48.000 bps. Adapts to public circuit switched network services.
- Remote Support System:** based on the RC3600 RJE Terminal concept, providing local peripheral support and local processing (HASP Editor, local Data Entry).
- Interactive Support:** to each Remote System up to 4 IBM 3271 (or compatible) may be connected.
- RJE Support:** as RC3600 RJE terminals with local processing support, or as concentrator for a number of RJE terminals.

ACCESS TO SEVERAL HOST SYSTEMS  
LOCAL PROCESSING  
PERIPHERAL ACCESS TERMINALS



**GENERAL**  
ROCS (Remote Office Communication System) ROCS is a simple and powerful solution to communication services of IBM mainframe users. ROCS is based on front-end network and remote support systems and provides for intelligent multi-line packet switching and RJE communications. thereby the problems of communication and of remote communication lines are solved in a way which considerably saves in terms of space, the cost, and which moreover includes future flexibility in the structure of the facilities. Surveying the main structure of the system, the advantages and design features.

The system is designed to provide a high level of security and control. It is a multi-user system that can be used by many users at the same time. The system is designed to be easy to use and to provide a high level of performance. It is a multi-user system that can be used by many users at the same time. The system is designed to be easy to use and to provide a high level of performance.

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