

**IBM 3270
Remote Terminal Handler****Type Number: 6247-00****SECTION I**

The IBM 3270 Remote Terminal Handler provides communications between a SPERRY UNIVAC Series 90 or System 80 host processor and an IBM 3270 Terminal System or other terminals that support 3270 protocol. The 3270 Remote Terminal Handler requires the use of the ICAM Terminal Support Facility.

The following IBM 3270 equipment is supported:

- IBM 3271 Control Unit - Model 1 or 2
- IBM 3277 Display Station - Model 1 or 2
- IBM 3284 Printer - Model 1 or 2
- IBM 3286 Printer - Model 1 or 2

PRODUCT FEATURES

The following characteristics are supported:

- Two-way alternate transmission (half-duplex)
- Point-to-point or multidrop connections
- Synchronous operation
- Switched (dialed) or nonswitched (direct) connection
- Transmission in EBCDIC
- Byte-oriented protocol
- Transmission speeds from 2400 to 7200 bits per second

Programs using this remote terminal handler employ the ICAM Standard Interface (STDMCP), Transaction Control Interface (TCI), or Direct Data Interface (DDI). ICAM global or dedicated network facilities are used as appropriate to the interface selected and the needs of the user program. The Information Management System (IMS) uses this handler to support IBM 3270 terminals.

The IBM 3270 Remote Terminal Handler controls the transmission of messages and status between the host processor and the IBM 3270 Terminal System as follows:

Receive (Input) Functions:

- Solicit input from each IBM 3271 control unit on the communications line
- Acknowledge the receipt of error-free data or status messages and present data and status to the appropriate ICAM interface
- Negatively Acknowledge (NAK) messages found to be in error. Messages are retransmitted until either an error-free transmission is received, a user-specified retry count is reached, or a default retry count is reached.
- Report status when a control unit does not respond to its poll (input solicitation)
- Remove line control characters and convert format control characters to Device Independent Control Expression (DICE) sequences if specified by the user at ICAM generation

Transmit (Output) Functions:

- Determine the status of the receiving device. If the device is not available, its status is reported to the ICAM interface.
- Report status to the ICAM interface when a transmission line error occurs. Messages are retransmitted until either an error-free transmission is accomplished, the user-specified retry count is reached, or a default retry count is reached.
- Report successful message transmission status to the ICAM interface when a message is sent to a display device. If the message is sent to a printer, successful (or unsuccessful) status is reported when the printing operation is complete.
- Append line control characters to data messages and convert DICE sequences to format control characters

SOFTWARE REQUIREMENTS

The IBM 3270 Remote Terminal Handler requires the following OS/3 software products for operation:

- SCS – OS/3 System Control Software (6210-XX)
(Included with any Series 90 or System 80 processor)
- ICAM Terminal Support Facility (6231-XX)

HARDWARE REQUIREMENTS

The IBM 3270 Remote Terminal Handler operates on any System 80 or Series 90 model and configuration that meets the minimal hardware configuration requirements for that specific model and satisfies the main storage requirements specified in the software documentation accompanying each release.

Additional main storage and/or peripheral devices may be required, depending on the user's selection of the system's supported features and the size of the user's programs, files, and data bases.

A Single Line Communications Adapter (F2788-XX) is required.

SECTION II

CUSTOMER EDUCATION

Sperry Univac makes available customer education related to this Program Product. Course availability and schedules are contained in the published course catalog. Charges for courses are at prevailing rates. Customers should contact their local Sperry Univac representative for enrollment procedures.

PROGRAM PRODUCT SUPPORT

Sperry Univac endeavors to correct any significant error in an unaltered current release of this Program Product that the customer brings to the attention of Sperry Univac in accordance with established correction procedures. Sperry Univac does not represent or warrant that all errors will be corrected. This error correction service may result from time to time in update releases that the customer will install. Sperry Univac reserves the right to alter the classification of this Program Product to reflect changes in policy or support requirements.

ORDERING INFORMATION

This Program Product and its associated documentation may be licensed from Sperry Univac at separately stated charges. Upon execution of the appropriate Consolidated Agreement or Supplemental Agreement, the following will be provided:

1. A magnetic tape or diskette(s) in OS/3 Operating System format
2. One copy of the associated documentation

NOTE:

IBM 3270 Remote Terminal Handler documentation is included with the ICAM Terminal Support Facility documentation.

