

INTRODUCTION

Remote SpoolPrint/370 will automatically transfer spooled print output from System/38, System/36, or AS/400 machines to remote System/370 processors. Each S/3X machine must have Remote SpoolPrint/3X/400 loaded. Multiple remote systems can send spool files to multiple S/370 machines, and multiple printers per S/370 system can receive spool files. The user specifies output queues on the System/38 and AS/400 (Printer ID's on the System/36) which are to be transmitted. Remote SpoolPrint will monitor local S/3X outq's and transmit available spool entries from each monitored outq or printer ID to the specified S/370 printer.

There is no limitation to the number of active remote printing tasks (Remote Writers) on a source or target system. For example 5 AS/400's can each be sending output to 7 different S/370 printers on 3 S/370 mainframes.

Remote SpoolPrint/370 uses IBM's Advanced Program to Program Communications (APPC) to communicate with the remote systems. APPN is supported by Remote SpoolPrint/370. The remote system can be connected via a leased phone line, point-to-point or multipoint, a dial up phone line, or other common communications facilities (X.25, modem eliminators, etc). Other communications equipment such as remote control units (i.e. 3274) may be defined on the same line. Other system software packages such as 3270 Emulation may share the same line on both the source and target system.

Remote SpoolPrint/370 Features

There are several options available to the user when setting up a Remote Writer. Remote Writers are set up on the S/3X. Each remote writer can be tailored differently, adding flexibility to the user remote spool network. Tailoring options can be changed if desired.

Remote SpoolPrint/370 maintains the spool entry's job attributes (Job name and Job user, Print file name).

Spool Attributes transferred:

- + Job Name
- + Job User ID
- + Number of Copies
- + Forms ID
- + Lines per Inch (4, 6, or 8)
- + Characters per Inch (10 or 15)
- + Output Priority
- + Lines per Page

Data Compression Option

Data can be compressed by the source system and decompressed by the target system. Repetitive characters are compressed into 1 repetition character.

Hold on Remote System

The Remote Writer will optionally hold the transmitted spool entries on the S/370. The user can release

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the spool entries for printing when desired.

Automatic Line Error Recovery

If a transmission error occurs Remote SpoolPrint/370 will periodically attempt to contact the remote system. Once the communications link is reestablished spool file transmission is resumed automatically. The delay period between recovery attempts can be set by the user.

Because of differences between S/36 and S/38 or AS/400 print spool support, and to minimize operator intervention on the remote system, Remote SpoolPrint/3X will translate the following spool file attributes during transmission to the remote System/36. The user defines the translations when defining a Remote Spool Writer. Source system spool file attributes are not affected by the translation.

Output Priority

Remote SpoolPrint/370 will change the output priority attribute of the spool file to the user specified value during transmission to the remote System/36. The S/38 has nine output priorities (1-9), with priority 1 printed first. The System/36 has six priorities (0-5), with priority 5 being printed first. The user can specify a translation of output priorities for each of the five S/36 output priorities.

Form ID

The S/38 and AS/400 allow 10 character Form ID's. The S/36 allows 4 characters. The S/370 allows 8 characters. The user can translate form ids during transmission to decrease operator intervention. For example *STD form id can be translated to STANDARD.

S/370 Forms Control Buffer

The S/3X machines define vertical spacing via Lines per Inch and Lines per Page attributes. The S/370 does not have Lines per Page or Lines per Inch attributes. It has a Forms Control Buffer Name attribute instead. Remote SpoolPrint/3X/400 has a translation table to convert these attributes.

Universal Character Set

The S/3X machines have no attribute which corresponds to the S/370 UCS or Fold attributes. Remote SpoolPrint will allow the user to specify a value to transmit on the Remote Writer Description.

Remote Writer Operations

Remote SpoolPrint/370 was designed to be easy to operate. The S/3X operator (or a start up program) can start a remote writers on the S/3X using the STRRMTWTR command. The S/370 component can be started with no operator intervention.