



IBM 5280 System Control Programming Program Number 5708-SC1

The system control programming (SCP) programs perform the system control functions that are basic to a 5280 Distributed Data System. They enable the user to perform the IPL process, configure the system, recover data if a system or power failure occurs, and apply a fix to IBM-supplied programs or user programs if an error is encountered.

The SCP consists of the initial program load (IPL) function, the system configuration program, the close failure recovery program, and the patch program.

The Initial Program Load Function

The initial program load (IPL) function loads the 5280 system with information needed to execute other programs. The IPL program loads a starter system immediately after the 5280 is powered on. Once the IPL process is performed using the SCP diskette, the system configuration program can be loaded and executed.

System Configuration Program

The system configuration program allows the user to configure, or tailor, the system's storage area and devices to meet individual business needs.

During execution of the system configuration program, the user specifies the desired characteristics of the 5280 system by responding to prompting messages. Using these responses, the 5280 creates a user-defined IPL data set.

The user-defined IPL configuration is stored on diskette and is used to IPL the system for future data processing jobs.

Close Failure Recovery Program

If execution of a program is interrupted, a data set might remain open and the data within might not be accessible (to be read or written) until the corresponding data set label has established the correct end-of-data position. The close failure recovery program allows the user to find the last valid record in the data set. The 5280 uses this end-of-data record to update the data set label and enable the user to access the data.

Patch Program

The patch program allows the user to correct problems that might be encountered while the 5280 system programs or user programs are used, and to display the history of the changes made to the programs. This program uses IBM-supplied *program temporary fixes* (PTFs).

SYSTEM REQUIREMENTS

The starter system that is loaded by the IPL program runs on all models of the 5280 system. The starter system has the following characteristics.

- A 32 K storage area (with 26 K of storage for a user program)
- A single data station with a 480-character display format
- Common functions used by the 5280 system to support all programs except the key entry utility, the 3740 format conversion aid utility, and DE/RPG

Minimum partition storage requirements for each of the SCP programs are as follows:

Initial program load	No minimum requirements
System configuration	16 K
Close failure recovery	9 K
Patch	9 K

REFERENCE MATERIAL

IBM 5280 General Information, GA21-9350

IBM 5280 System Control Programming Reference/Operation Manual, GC21-7824

Any other documentation with respect to this licensed program, including any documentation referenced herein, is provided for information purposes only and does not extend or modify these specifications.

International Business Machines Corporation

General Systems Division
4111 Northside Parkway N.W.
P.O. Box 2150
Atlanta, Georgia 30301
(U.S.A. only)

General Business Group/International
44 South Broadway
White Plains, New York 10601
U.S.A.
(International)