



Licensed Program Specifications

IBM® Check Processing Control System Program Number 5734-F11

The Check Processing Control System (CPCS) performs entry, proof, distribution, and balancing functions in a check processing environment. It controls the 3890® Document Processor and the 3890/XP® Series (3890/XP, 3891/XP, and 3892/XP) document processors and creates a database of all passes from initial capture to disposition.

This LPS has been updated to reflect the specifications necessary as of Version 1 Release 11 of FPCA-25 (Fast Path Conversion Aid, at the UQ47918 level).

New and enhanced functions in Version 1 Release 11 are in the following areas:

- 99-pocket support
 - The mass data set String Directory Entry (SDE) has been expanded to support up to 99 pockets instead of the original 36 pockets.
- Read to the end of an open string support
 - A new mass data set access method has been added to allow users to read an I-string that is still being written. The read can continue until the end of the latest block written to the mass data set.
- Enhanced prime capture
 - Support has been added for the creation of multiple prime entries during a single sorter capture pass. This new feature allows for the early distribution of I-strings for reject, kill, and rehandle processing.
- User Exit Facility (UEF)
 - Support has been added for the initiation of user exits from specifications included in task specific profiles. The UEF can initiate multiple user exits for each exit point, allowing several vendors and end users to participate in each exit event.
- User Area Manager (UAM)
 - UAM provides for the insulation of user areas from the dynamics of future enhancements to CPCS control blocks
- Extended string support
 - CPCS now supports Global User Areas (GUA) for both the SDE and the individual records on the mass data set
- Merge-Before-Main (MBM) support
 - CPCS now supports MBM to spray merge feed documents at the beginning of a capture entry and at each new tracer grouping.
- Electronic transaction support
 - CPCS now provides the ability to export and import strings using sequential data sets for the string data and control files for maintaining the integrity of the transfer activity.
- Item sequence enhancements
 - Region number support has been added to the item sequence number.
 - The item sequence file can now be accessed from outside CPCS.
- System and application profiles
 - Reduces the need to recompile modules when changing control parameters for system level tasks and many application tasks
 - CPCS generation parameters have been moved into system profiles.
 - CPCS task-related parameters have been moved into application profiles.
- Automatic restart
 - Restarts interrupted item-capture operations
 - Maintains a restart buffer where CPCS stores a copy of the records that it sends to the host
 - Gets any records contained in the restart buffer after a host or link failure
 - Replaces intermediate buffer records that are lost when a failure occurs

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- Blocked BDAM
 - Uses disk storage space more efficiently
 - Improves processing time, especially during startup, when initialization and compression of files occur
- Data-set duplexing
 - Maintains the integrity of all data sets
 - Duplexes all data sets that are critical to its operation if a disk failure occurs
- Enhanced logging
 - Recovers the tracer data set
 - Automates tracking (history) of mass data-set strings and logging data sets
 - Eliminates dedicated tape drives
 - Automates full mass-data-set recovery
 - Recovers multiple strings with one pass of the logging data set
 - Recovers selective strings and strings with different mass-data-set definitions
- Enhanced reject processing
 - Provides system-reject pockets
 - Provides user-defined reject pockets
- Expanded document processor read record
 - Contains as many as 256 bytes
 - Supports 15 logical fields, 14 of which are available to you
- Power encoding
 - Support is included to encode MICR line data during rehandle passes on sorters which include a power encode module

Specified Operating Environment

Machine Requirements

CPCS requires, as a minimum, one of the following processors with 128 megabytes of main storage:

- zSeries™ 900 Servers
- Models of the S/390® Parallel Enterprise Servers™ - Generation 5 and Generation 6
- S/390 Parallel Transaction Servers™ Releases 2 through 4
- All models of the S/390 Multiprise® 3000 or Multiprise 2000
- All S/390 Integrated Servers
- PC Server System/390® or RS/6000® with System/390® Server-on-Board

In addition to the requirements for MVS™, the following features and hardware devices are necessary:

- Two disk-storage devices

- One display terminal
- One of the following document processors:
 - A 3890 with the item-numbering feature and endorsing feature
 - A 3890/XP with the programmable item-numbering and endorsing features

Programming Requirements

You need the following IBM programs (and release levels) to use CPCS:

- One of the following operating systems:
 - IBM OS/390 Version 2 Release 9 with the following elements: JES2, DFSMSdftp™, High Level Assembler, SMP/E, Language Environment, SecureWay® Communications Server for OS/390
 - IBM z/OS® with the following elements: JES2, DFSMS, High Level Assembler for MVS & VM & VSE, SMP/E for OS/390 and z/OS, Language Environment, Communications Server
- IBM SAA® AD/Cycle® COBOL/370™ licensed program (Program No. 5648-A25) Version 2 Release 2
- IBM DFSORT™ feature for OS/390 Release 14 or an equivalent product
- IBM Item Capture Support Application for MVS/ESA™ and OS/390 (Program No. 5655-B23) Version 1 Release 1

For transaction and resource security, you need:

- IBM Resource Access Control Facility (RACF®) feature of OS/390, or SecureWay® Security Server feature of z/OS, or an equivalent product

Compatibility

CPCS FPCA-25 is upward compatible with the prior FPCA and PTF levels of Release 11. You must reassemble or recompile user-written CPCS application programs (including SCI programs) to ensure that new DSECTS and copybooks are used. You should also evaluate sort-pattern definition records for new FPCA-25 records.

Licensed Program Materials Availability

Restricted Materials: No. This licensed program is available without source-licensed materials for some modules. These modules are available in object code. The remaining modules are available with source-licensed program materials.

Supplemental Terms

Designated Machine Identification

Designated Machine Identification Required: Yes

Testing Period

Two months.

Installation/Location License

Yes. Installation License applies.

Usage Restriction

Yes. Usage features must be acquired to a quantity level equal to the number of codeline data items that CPCS processes. Usage features are representative of increments of ten million codeline data items. When counting codeline data items, all documents (IBM and non-IBM) that cause the writing of an I-string to the CPCS Mass Data Set should be counted.

Type/Duration of Program Services

Central Service, including a support center, will be available until discontinued by IBM upon six-month's written notice. This program is supported by the IBM Document Processing Support Center, Charlotte, N.C. Access to this support center is provided through the IBM Support Center.

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Printed in U.S.A.

GH20-4343-08

