

**Supplement To
Technical Report No. 25**

**SCRMS
STATE CORRECTIONS
RESOURCE MANAGEMENT SYSTEMS**

**VOLUME 3
Corrections Resource Management:
A Reference To Existing Systems**

66960

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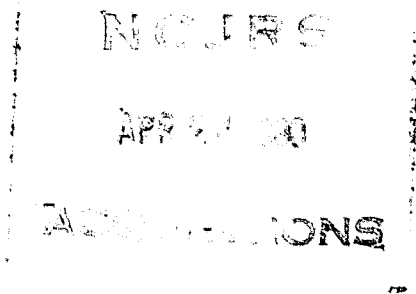
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SCRMS
STATE CORRECTIONS
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Corrections Resource Management:
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FOREWORD

This volume is one of three that constitute the SCRMS Report, a definitive work developed by SEARCH Group, Inc. under grants from the Systems Development Division, Law Enforcement Assistance Administration, U.S. Department of Justice.

The three volumes, their purposes, and their interrelationships are described below:

1. **THE SCRMS APPROACH.** This is an overview describing the evolution of the SCRMS concept, a detailed explanation of the seven SCRMS systems, a suggested strategy for their implementation and some thoughts regarding the future of SCRMS. *Volume I is prerequisite reading to the other volumes in this series.*
2. **THE SCRMS DATA ELEMENT DICTIONARY.** This volume contains descriptions and definitions of data elements included in each of the seven SCRMS systems. The data elements are to be used in establishing a SCRMS data base. This volume should be considered as a resource workbook for the guidance of persons involved in the implementation of any or all of the SCRMS systems.
3. **CORRECTIONS RESOURCE MANAGEMENT: A REFERENCE TO EXISTING SYSTEMS.** This volume contains, identifies and briefly describes various resource management systems now operational in corrections agencies. Although their development preceded the SCRMS model, the systems are categorized under the SCRMS identifiers for easy reference.

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PREFACE

The State Corrections Resource Management System (SCRMS) documented in this report and expanded upon in companion volumes are the products of an evolutionary process. Several years have passed since OBSCIS, the Offender-Based State Corrections Information System, was initiated by SGI. However, it was during the OBSCIS implementation years that OBSCIS state developers began to realize that a state's information needs went far beyond offender-based data. As system implementors became conversant with their corrections procedures, they became more farsighted in the application of information technology and the idea of a comprehensive management information system became imperative. The potential for supporting a vast array of administrative functions was recognized; no longer did it seem impractical or impossible. With funding support from the Systems Development Division, Law Enforcement Assistance Administration, the effort to develop a model comprehensive management resource system for corrections began in earnest.

SGI emulated an earlier OBSCIS approach by bringing together a number of corrections practitioners to serve in an advisory capacity. Responsibilities of this group included interacting with staff, making contributions and recommendations regarding model composition, and suggesting alternatives. The active involvement of those individuals listed on the following page not only has enhanced the quality of the SCRMS model but has made SCRMS a practical and useful development for corrections. Their thoughtfulness and devotion of time during many group exchanges and extended telephone sessions reflect their commitment to the corrections profession and is a credit to the agencies they represent.

Throughout the SCRMS model building exercise, SGI has made a conscious effort to coordinate these activities with work being done in the OBSCIS states. Mr. Van Mitchell of SGI provided assistance in this regard and was involved in developing Volume 3 of the SCRMS series.

Finally, the reader should note that all seven SCRMS model systems form a package, but that few states will find all seven systems necessary for their needs. A careful initial review of all seven, however, will assist states in determining which models are within their scope of priorities. We encourage such study and are eager to hear the suggestions and comments of implementors as they review the seven SCRMS systems.

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INTRODUCTION

This document, Volume 3 in the series of SCRMS Reports, "Corrections Resource Management: A Reference to Existing Systems," is a reference guide to twenty-seven automated resource management systems presently operated by thirteen corrections agencies from across the country. These twenty-seven automated management systems have been identified through surveys, review of system documentation, and on-site visitations performed by SGI. Each has potential for transfer to a corrections agency wishing to adopt an automated resource management system from another state or desiring to enhance their existing system. This directory is intended to assist corrections agencies in identifying management systems which are presently operational and well documented.

The directory lists each management system according to the specified SCRMS information area. This directory does not contain a listing for an Inmate Transportation system, since little documentation for such a system was available. The selected twenty-seven systems reflect the model design requirements of the respective SCRMS information areas. Each contains

subsystems, application areas, report features, and other related functions.

This directory allows agencies considering transfer to examine a potential donor system's information requirements, technical requirements, and functions. Also provided is an indication of the level of documentation for each system. Documentation, as used here, refers to the availability of written system specifications, flow charts, input and report record layouts, necessary to transfer an information system. The level of documentation is specified with reference to operations manuals, program specifications, information input/output requirements, and record layouts.

Information was current as of the date of publication. Where agencies had planned system enhancements, modifications, and upgrades for the software and hardware, appropriate notation has been made. For comprehensive, detailed, and up-to-date information regarding a specified system, the reader should contact the person associated with the system. His name is listed at the end of each system description.

L PERSONNEL MANAGEMENT SYSTEMS

**Florida Department of Corrections
PERSONNEL AND LEAVE SYSTEM**

DESCRIPTION:

The "Personnel and Leave System" of the Florida Department of Corrections is actually a part of a larger software package developed by Olivetti and is operational at two different facilities within the department. Its primary function is to post leave balances to ledger cards and automatically accrue leave credits. Up to 1,000 employees can be maintained by the system at each site utilizing either Olivetti A-6 or BCS 2030 minicomputers.

Data is input into the system manually via the equipment's keyboard. Reports generated by the system are:

- 1) Bi-weekly Cycle Report - listing of all leave time earned during the period by employee name and social security number.
- 2) Report Generation Program - produced upon demand, this report lists any five pre-defined fields from the Personnel Leave Record. The reports are listed in order of employee name and social security number.

No statistical reports are produced by the system and no enhancements are planned at this time.

HARDWARE:

Processor: Olivetti A-6 or BCS 2030 minicomputer (8K)

Storage: Two (2) 256K diskette drives

Terminals: None

Input: Built-in typewriter keyboard (key to disk)

Output: 100 character per second bi-directional printer

SOFTWARE:

Operating System: Machine-specific to Olivetti A-6 or BCS 2030

Programming Language: Olivetti Basic Assembler Language

Special Considerations: Software is available for lease or purchase from either the Florida Department of Corrections or Olivetti providing the recipient agency has or is willing to purchase or lease Olivetti hardware.

DOCUMENTATION:

Full, written system documentation is available and up-to-date, with the exception of copies of the source documents. This includes user manuals and operations instructions.

CONTACT:

Ray Ferrari
Chief, Bureau of Management Services
1311 Winewood Boulevard
Tallahassee, Florida 32301
(904) 488-6316

**Georgia Department of Offender Rehabilitation
GEORGIA EMPLOYMENT MANAGEMENT SYSTEM (GEMS)**

DESCRIPTION:

The "Georgia Employment Management System (GEMS)", the core of which was originally implemented as a stand-alone system entitled "Personnel Accounting and Control System" (PACS), is operated by the Georgia Department of Administrative Services for the Georgia Department of Offender Rehabilitation. The complete system consists of more than 600 programs written in COBOL or TBOL. Approximately 2/3 of the programs are batch with the remainder being on-line programs. Data base management is provided through TOTAL Batch TBOL and TOTAL are licensed software products of CINCOM, Inc.

The system is operated on twin IBM 3033's under MVS. The system runs in a shared environment with on-line applications operating within a 1.4 megabyte region for the teleprocessing monitor. Pages of code are swapped in and out of core as needed. Terminals used are Harris 8160, emulating Courier 260, which in turn emulate IBM 2260. The Georgia Employment Management System contains the following applications and sub-applications:

- Master Personnel Record (PACS)
- Payroll (PACS)
- Employee Leave (PACS)
- Applicant System (GEMS)
 - Applicant Records
 - Exam Center Scheduling
 - Exam Grading
 - List of Eligibles
 - Vacancy and Announcements
- Employee System (GEMS)
 - Employee Certification
 - Payroll Audit
 - Merit System Reports
- Position System
 - Personnel Services Budget
 - Position Action
 - Classification

The Department of Administrative Services computer site is manned by a large staff on a continual basis. There are no planned enhancements for the system.

HARDWARE:

Processor: Two (2) IBM 3033
Storage: Not Reported
Terminals: 65 Harris 8160 terminals
Input: Same as terminals
Output: Not Reported

SOFTWARE:

Operating System: IBM MVS

Programming Language: COBOL and TBOL

Data Base Manager: TOTAL

Special Considerations: GEMS is but one of the many systems operated by the Department of Administrative Services Information and Computer Services unit on the twin IBM 3033's. While an exact list of the hardware components is unavailable, it is an extremely large system with over 60 billion bytes of random and direct access storage. The on-line network is configured using a variety of modems and other teleprocessing hardware, and runs through a Memorex 1270 FEP.

DOCUMENTATION:

Full and complete written system documentation exists, except for functional program specifications. Program listings are extensively annotated. Extensively detailed user and operations manuals exist for each application.

CONTACT:

Shirley Bailey
Department of Administrative Services
Room 124 B
270 Washington Street
Atlanta, Georgia 30334
(404) 656-2133

**Iowa Department of Social Services
PERSONNEL ACCOUNTING SYSTEM**

DESCRIPTION:

The Iowa Department of Social Services, Bureau of Finance, "Personnel Accounting System" currently consists of a personnel payroll function throughout all state departments and a staff seniority/staffing pattern system operating on a Honeywell Level 6 minicomputer in one institution. The system was developed by the Central Data Processing Department of the Iowa State Controller's Office. The following reports are generated by the system:

- Payroll Journals
- Benefit Program Billing
- Quarterly Tax Reports
- Employee Listings

The system runs in a shared environment and no enhancements are currently planned.

HARDWARE:

Processor: IBM 370/158, 3033
Storage: IBM 3330 disk drives
Terminals: None
Input: Not Reported
Output: Not Reported

SOFTWARE:

Operating System: Not Reported
Programming Language: COBOL

DOCUMENTATION:

Partial written system documentation is available. These consist of record layouts and system flow diagrams. No user or operators manual exist.

CONTACT:

Denny Block
Lead Programmer
Department of Controller
6th Floor, Lucas Building
Des Moines, Iowa 50319
(515) 281-8635

North Carolina Department of Corrections
PERSONNEL SYSTEM

DESCRIPTION:

The North Carolina Department of Corrections "Personnel System" includes the following subsystems:

- 1) Personnel Subsystem
- 2) Position Subsystem
- 3) Vacation/Sick Leave Subsystem
- 4) Sergeants, Lieutenants, and Captains Examination Subsystem

The Personnel Subsystem collects and maintains current employment information on all employees. Reports generated by this subsystem include employee roster by location, federal grant employee roster, new employees for deferred compensation, longevity reports by position number and location, retirement reports, classifications by race and sex and various special request statistical reports.

The Position Subsystem maintains current budget/position information on all current positions of the department. Reports generated by this subsystem include monthly listing of positions and budgeted salaries, monthly count of all positions by location and fiscal year end budget salary listings.

The Vacation/Sick Leave Subsystem collects and maintains current vacation and sick leave time earned and used. Reports generated by this subsystem include listings of employees by name or social security number as well as ad hoc reports generated for individual employees showing vacation and sick leave balances.

The Sergeants, Lieutenants, and Captains Examination Subsystem collects and maintains data from tests administered to employees for consideration of promotion. The system generates reports on the results of the test by name, score, date taken, location, references, etc.

Input to all components of the system are generated by the Accounting Office, Training Office, and Personnel Office.

HARDWARE:

Processor: Univac 9060

Storage: Univac 8433 1 megabyte disk drives (6)

Terminals: None

Input: Mohawk 1200 - 9 station key-to-tape

Output: (2) Univac 770 1400 lines per minute printer

SOFTWARE:

Operating System: VS9 - REL 5

Programming Language: BAL

DOCUMENTATION:

Documentation available includes output reports and a narrative discussion of the system that is only partially complete.

CONTACT:

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North Carolina Department of Corrections
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Raleigh, North Carolina 27603
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**Regional Justice Information System (REJIS), St. Louis City Police Department
REJIS ON-LINE PERSONNEL SYSTEM**

DESCRIPTION:

The "On-line Personnel System" operated by the Regional Justice Information System consists of three (3) files:

- Master Personnel File - contains all personnel information kept for each individual;
- Cross-reference File - keeps cross-references to the personnel information records by name, DSN, badge, social security number;
- Common Personnel Information File - contains information common to an agency, assignment codes and descriptions, rank codes and descriptions, salary codes, etc.

The REJIS On-line Personnel System was developed and written by programmers with the St. Louis City Police Department and serves three (3) police agencies. Some forty-two (42) different reports are generated by the system including:

- Daily Rotation Rosters
- Monthly Sick Reports
- Monthly Medical Rosters
- Personnel Listings
- Shift Differential Reports
- Commissioned Salary Listings
- Final Promotion Eligibility Listings

HARDWARE:

Processor: IBM 370/155 (soon to upgrade to 370/158)

Storage: Not Reported

Terminals: CDC 711 (soon to upgrade to IBM 3276)

Input: Same as terminals

Output: Not Reported

SOFTWARE:

Operating System: Not Reported

Programming Language: COBOL

DOCUMENTATION:

System documentation available includes program specifications and file organization listings. Other documents available includes a complete, written user manual.

CONTACT:

Mary Eckert
Director
User Services
REJIS Commission
4255 W. Pine Boulevard
St. Louis, Missouri 63108
(314) 535-1950

**Texas Department of Corrections
PERSONNEL MANAGEMENT INFORMATION SYSTEM**

DESCRIPTION:

The Texas Department of Corrections' "Personnel Management Information System" is built around the maintenance of four master files. They are:

- 1) Applicants for Employment
- 2) Job Allocation
- 3) Personnel Master
- 4) Employee Training Activity

Reports generated by the system include E.E.O.C. reports, tax reports, leave-time accrued and balance, monthly payroll reports, job allocation reports, and a monthly listing of employees by unit and location. In addition to printing reports, the system is also capable of generating several displays useful to ad hoc requests.

Current plans for enhancement of the system include building a training application into the software.

HARDWARE:

Processor: IBM 370/135

Storage: IBM 3330 disk drives (6), IBM 3420 tape drives

Terminals: IBM 3277 (9), Telex (18)

Input: Inforex Terminals, IBM 2540 Card reader-punch (1)

Output: IBM 1403 printer

SOFTWARE:

Operating System: Not Reported

Programming Language: COBOL

DOCUMENTATION:

Systems and subsystems are documented to the extent that flowcharts, record layouts, input forms, and report layouts are available.

CONTACT:

Lonnie J. Eslick
Director, Information Systems
Texas Department of Corrections
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Huntsville, Texas 77310
(713) 295-6371

II. BUDGET CONTROL SYSTEMS

**Colorado Department of Corrections
AGENCY BUDGET LEDGER (ABL) SYSTEM**

DESCRIPTION:

The Colorado Department of Corrections' "Agency Budget Ledger (ABL) System" is an extension of the state-level "Central Accounting System (CAS)" which allows for a finer delineation of organizational/budgetary units on the agency level. The Colorado Office of the Controller has overall responsibility for the system and, in effect, "owns" it. The General Government Computer Center (GGCC) operates the system, with each agency responsible for its own data entry. All components of the system are operational and were developed by GGCC personnel in COBOL on an IBM 3033 system under MVS using JESS II.

The system is a batch general ledger application operating in a shared environment on the 3033 for the entire state. Only a relatively small portion of the resources are required for corrections-specific applications but cannot be separated out of the total resource allocation. Communications with the 3033's is achieved through Remote Job Entry (RJE) support provided at the central office and Canon City facility. The Univac UTS 700 is used at these sites.

The system operates in the following manner:

- 1) Data is entered via the work stations to the RJE station, which batches all transactions once a day.
- 2) GGCC staff run the system nightly.
- 3) After the nightly run, certain output files are downloaded to the UTS 700's from the IBM 3033, and reports are generated at the remote site. This operation creates reports in addition to all regular CAS and ABL reports.

The system contains six levels of budget unit discrimination in descending order of magnitude. They are:

- 1) Department (CAS)
- 2) Division (CAS)
- 3) Agency (CAS)
- 4) Section (ABL)
- 5) Office (ABL)
- 6) Unit (ABL)

HARDWARE:

	<u>MAINFRAME</u>	<u>RJE</u>
Processor:	IBM 3033	Univac UTS 700 (64K)
Storage:	Not Reported	10 megabyte disk drive 9 track, 1600 BPI tape drive
Terminals:	Not Reported	Univac 3545 workstation (6)
Input:	General Computer System GCS 2100 key-to-disk data entry system (26)	Same as terminals

Output:

Not Given

300 line per minute printer

SOFTWARE:MAINFRAMERJE**Operating System:**

MVS

RMS-I, FDR Emulators

Programming Language:

COBOL

RPG

DOCUMENTATION:

Full, written system documentation is available, but out of date, as the system was written in 1972 without regular documentation standards in force. Documentation (which fills over four file drawers) includes record layout forms, record description sheets, file description sheets, program listings, program functional descriptions, and program flow charts. All functional system descriptions are located within the State of Colorado Fiscal Procedures Manual. User documentation is also extensive with complete instructions for data entry, data control, as well as operations staff.

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**Maine Department of Mental Health and Corrections
BUDGET CONTROL SYSTEM (BCS)**

DESCRIPTION:

The Maine Department of Mental Health and Corrections' "Budget Control System" is utilized to satisfy the financial requirements of the proposed Corrections Management Information System. The fully operational system was developed and is operated by the Administrative Services Division of the department. Four files are maintained by the system and used in generating the reports and displays. The files used by the system are:

- Budget Master File - maintains data on allotment and cash balances.
- Purchase Orders and Requisitions File - maintains information on outstanding purchase requisitions and purchase orders.
- Transaction File- maintains a record of transactions entered to the system per day.
- History File - maintains a history of transactions entered to the system through a sort/merge of the transaction file.

Reports generated by the system include:

- Daily Transaction Edit - lists by account code all entries which were accepted by the BCS for the previous day.
- Monthly Transaction Edit - lists by account code all entries which were accepted by the BCS for the previous month.
- Monthly Regional Transaction Summary - lists by account code all expenditures, encumbrances and requisitions by district.
- Quarter-to-date Allotment Balance - lists by account codes the total of allotments for the current quarter to-date, offset by expenditures, encumbrances, and requisition during the same period.
- Cash Analysis - lists by account code the total cash for year-to-date offset by expenditures made during the same period.
- Outstanding Encumbrances and Requisitions - lists by account code the outstanding balance for each document on the Purchase Order/Purchase Requisition File including date of document and vendor.
- Allotment File Edit - all character allotments within an activity are totaled by line category and are compared to the activity line category for a particular quarter and also the sum of all activity allotments for a particular quarter within an appropriation/account by line category.

HARDWARE:

Processor: Honeywell 6000

Storage: Honeywell MS-450 disk

Terminals: Honeywell 7700 VIP (10)

Input: Same as terminals

Output: Honeywell PRT 301 600 lines per minute printer

SOFTWARE:

Operating System: Not Reported

Programming Language: COBOL

DOCUMENTATION:

Full system documentation is available including system flow charts, file and record descriptions, program descriptions and other related technical materials. User and operator manuals also exist.

CONTACT:

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Information Services Division
Maine Department of Mental
Health and Corrections
Room 411, State Office Building
Augusta, Maine 04333
(207) 289-3161

North Carolina Department of Corrections
ACCOUNTING SYSTEM

DESCRIPTION:

The North Carolina Department of Corrections "Accounting System" is comprised of seven (7) subsystems. They are:

- Budget Subsystem
- Accounts Payable Subsystem
- Inmate Welfare Fund Accounts Payable Subsystem
- Operating Inventory Subsystem
- Equipment Inventory Subsystem
- Enterprise Inventory Subsystem
- Work Release Accounting Subsystem

The SCRMS Budget Control System functions are maintained in the "Budget Subsystem" and the "Accounts Payable Subsystem" of the master North Carolina Accounting System. The "Budget Subsystem" provides monthly, quarterly, and year-to-date reports of expenses incurred on all budget accounts for the department's operating fund. The "Accounts Payable Subsystem" provides daily, weekly, and monthly summary reports pertaining to the disbursements made by the Accounting office.

Reports generated by the subsystems include:

- Operating Report by Charge Object
- Operating Report by Program Code
- Operating Report by Program Location and Code
- Statement of Enterprise Operations
- Operating Report by Object
- Operating Report by Location, Program Change
- Inmate Cost Analysis by Population
- Inmate Cost Analysis by Meals
- Statement of Monthly Operating Expenses
- Vendor Master Listing
- Check Summary Listing
- Printed Disbursement
- Monthly Check Reconciliation
- Check Cross-Reference (year-to-date)
- Contractual Service

HARDWARE:

Processor: Univac 9060

Storage: Univac 8433 1 megabyte disk drives (6)

Terminals: None

Input: Mohawk 1200 - 9 station key-to-tape

Output: (2) Univac 770 1400 lines per minute printer

SOFTWARE:

Operating System: VS9 - REL 5

Programming Language: BAL

DOCUMENTATION:

System documentation is available except for flowcharts.

CONTACT:

Glenn G. Williams
Director
Management Information and Research
North Carolina Department of Corrections
840 W. Morgan Street
Raleigh, North Carolina 27603
(919) 733-4926

Texas Department of Corrections
FISCAL SYSTEM

DESCRIPTION:

The Texas Department of Corrections' in-house designed and operated "Fiscal System" is made up of several component parts. They are:

- Budget Subsystem
- General Ledger Subsystem
- Fixed Assets Subsystem
- Vehicle Expense Subsystem
- Construction Material Purchase Control Subsystem
- Accounts Receivable Subsystem
- Food Service Subsystem
- Medical Inventory Subsystem
- New Construction Inventory Subsystem
- Prison Store Inventory Subsystem
- Food Services Inventory Subsystem
- Cotton Bale Accounting Subsystem
- Mailing Labels Subsystem
- Aircraft Subsystem
- Local Funds Accounting Subsystem

All of the components are integrated and operate on the department's IBM 370/135 system. All systems and subsystems are essentially documented to the same level of detail.

The SCRMS Budget Control system functions are maintained in the "Budget" and "General Ledger for State Funds" subsystems of the master Texas Fiscal System.

Budget Subsystem: All the components of the Budget System are fully operational in an on-line mode. Input is performed directly into the system. Reports produced include reports on funds, appropriation, line items (which are operating expenses, personnel, capital outlay, etc.) by cost center.

General Ledger for State Funds Subsystem: All components of the General Ledger System are operational in batch mode. Other systems or subsystems of the Fiscal System report to and update the General Ledger system. Input is received directly into the system and reports produced include:

- Daily Cash Reports
- Daily Accounts Receivable Report
- Daily Journal Report
- Yearly Operating Statement
- Monthly Activity Report for Document Type (voucher, order, etc.)
- Year-to-Date Reports

HARDWARE:

Processor: IBM 370/135

Storage: IBM 3330 disk drives (6), IBM 3420 tape drives

Terminals: IBM 3277 (9), Telex (18)

Input: Inforex Terminals, IBM 2540 Card Reader - punch (1)

Output: IBM 1403 printer

SOFTWARE:

Operating System: Not Reported
Programming Language: COBOL

DOCUMENTATION:

Systems and subsystems are documented to the extent that flowcharts, record layouts, input forms, and report layouts are available.

CONTACT:

Lonnie J. Eslick
Director, Information Systems
Texas Department of Corrections
Box 99
Huntsville, Texas 77310
(713) 295-6371

Wisconsin Division of Corrections FISCAL MANAGEMENT SYSTEM

DESCRIPTION:

The Wisconsin Division of Corrections' "Fiscal Management System" is not separated into applications or sub-applications, but rather provides a general budgetary/accounting system which allows for the close tracking of appropriations, expenditures, encumbrances, revenue, assets, and liabilities at various budgetary and organizational levels. The system design and software were developed through the combined efforts of the Department of Health and Social Services (DHSS), the Department of Administration (DOA) and the accounting firm of Arthur Anderson, Inc. The software is owned by DHSS.

With the exception of one minor program written in Assembler, the system is in COBOL and is operated on an IBM 3033 under MVS. Data entry is key-to-disk using two Entrex System 380's. Reports generated by the system are:

- 1) Appropriation Control Reports - general program operations only (excludes projects), project reports, general program - all operations summary (includes projects).
- 2) Support Reports - outstanding purchase order detail, outstanding purchase order summary, transaction register travel vouchers, remittance advice, correction transfer vouchers, invoice voucher
- 3) Responsibility Reports - this area operation, this area and subordinate area operations, project reports.

Department of Health and Social Services personnel have indicated an interest in enhancing the system by providing for an online data entry and approval system, but firm plans have not been established at this time.

HARDWARE:

Processor: IBM 3033

Storage: IBM 3330, 3350 disk drives

Terminals: Not Applicable

Input: Entrex System 380 key-to-disk

Line Printers: IBM 3211, 1403

SOFTWARE:

Operating System: IBM Release 3.7 of MVS

Programming Language: COBOL

Special Considerations: The Department of Administration computer site is extensively staffed and is operated on a continual basis. It is estimated that data entry for the entire system requires two keypunch operators per day. Very little operations time is required for the system.

DOCUMENTATION:

Full written system documentation is available, with the exception of some gaps in the program descriptions and table code definitions. An extensive user manual is available, though it is somewhat out of date. No operations manual exists, but a comprehensive manual for the data control personnel is available.

CONTACT:

Greg Wutschel
Department of Health and Social Services
1 West Wilson, Room 830
Madison, Wisconsin
(608) 266-8074

III. MAINTENANCE SYSTEMS

Texas Department of Corrections
FISCAL SYSTEM

DESCRIPTION:

The Texas Department of Corrections' in-house designed and operated "Fiscal System" is made up of several component parts. They are:

- Budget Subsystem
- General Ledger Subsystem
- Fixed Assets Subsystem
- Vehicle Expense Subsystem
- Construction Material Purchase Control Subsystem
- Accounts Receivable Subsystem
- Food Service Subsystem
- Medical Inventory Subsystem
- New Construction Inventory Subsystem
- Prison Store Inventory Subsystem
- Food Service Inventory Subsystem
- Cotton Bale Accounting Subsystem
- Mailing Labels Subsystem
- Aircraft Subsystem
- Local Funds Accounting Subsystem

All of the components are integrated and operate on the department's IBM 370/135 system. All systems and subsystems are essentially documented to the same level of detail. The SCRMS Maintenance System function is the "Vehicle Expense" subsystem of the master Texas Fiscal System.

Vehicle Expense Subsystem: This system is operational and on-line. The system provides a means for controlling the upkeep on all vehicles and accounting on current vehicle status, usage, cost and scheduled maintenance. The system utilizes a vehicle master file, vehicle limits file and vehicle transaction history and accesses the fixed assets file where necessary. Reports are printed during the updates indicating the current status of the vehicle. Preventive maintenance schedule reports are printed to alert the maintenance staff of the work to be done. Monthly reports are printed on the usage, cost and all activity. The activity report procedure produces journal-type transactions for updating the general ledger. Several reports are produced on request from user departments.

HARDWARE:

Processor: IBM 370/135

Storage: IBM 3330 disk drives (6), IBM 3420 tape drives

Terminals: IBM 3277 (9), Telex (18)

Input: Inforex Terminals, IBM 2540 Card Reader - punch (1)

Output: IBM 1403 printer

SOFTWARE:

Operating System: Not Reported

Programming Language: COBOL

DOCUMENTATION:

Systems and subsystems are documented to the extent that flowcharts, record layouts, input forms, and report layouts are available.

CONTACT:

Lonnie J. Eslick
Director, Information Systems
Texas Department of Corrections
Box 99
Huntsville, Texas 77310
(713) 295-6371

**Washington, D.C. Department of Corrections
FACILITIES MANAGEMENT SYSTEM**

DESCRIPTION:

The "Facilities Management System" of the Washington, D.C. Department of Corrections was fully developed by in-house staff of the Department and operates on an IBM System/3 model 15 minicomputer. The facilities maintenance scheduling application of the system is fully operational. Equipment maintenance and vendor control applications are still in developmental stage and hence, non-operational at this time.

Input to the system is achieved via standard 80 column punched cards created directly from source documents. Reports generated by the system are:

- 1) Monthly Maintenance - a turnaround-document report routed to the appropriate maintenance engineer. Once the maintenance task is completed, it is indicated on the report and returned to data processing where it serves as the source document to update the master maintenance schedule file.
- 2) Facilities Management Inventory List - listing of all initial entries into the Facilities Inventory Master File.
- 3) Facilities Management Inventory Totals List - a monthly listing of totals by maintenance area within facility.

One systems operator is needed to run all applications of the current system. The facilities maintenance scheduling application takes approximately twenty minutes per month. No approximation of time requirements has been made for the other planned applications.

HARDWARE:

Processor: IBM System/3 Model 15 (96K)

Storage Devices: Two (2) IBM 5445 disk drives at 20.48 megabytes each
Two (2) IBM 5444 disk cartridge drives at 4.9 megabytes each

Terminals: IBM 3277 Cathode Ray Tube (CRT)

Input: IBM 1442 Card Reader

Output: IBM 1403 Line Printer (600 lines per minute)

SOFTWARE:

Operating System: Not Reported

Programming Language: COBOL

Special Considerations: Current largest program requires 13K of core memory to operate with estimates that with additional equipment maintenance and vendor control applications, programs would not exceed 24K in size.

DOCUMENTATION:

Only partial system documentation exists. There are no functional specifications or program descriptions, and only partial output requirements are documented. No user or operations manuals currently exist. Development of a user instruction sheet is planned and operator procedures are very simple and could be easily learned.

CONTACT:

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E.D.P. Division
1901 D Street, S.E.
Washington, D.C. 20003
(202) 727-1500 Ext. 310

IV. INVENTORY CONTROL SYSTEMS

**California Department of General Services (DGS)
STATEWIDE LOGISTICS AND MATERIALS MANAGEMENT SYSTEM (SLAMM)**

DESCRIPTION:

The California Department of General Services operates the "Statewide Logistics and Materials Management System" as an integrated computer based management information system which permits the implementation and support of centralized materials management on a statewide basis. The system consists of two major segments which are being developed in phases. The first segment is oriented toward procurement processing and the second toward inventory and fiscal management. SLAMM applications include:

- Stock Item Number Processing
- Pre-Qualified Bidder List Processing
- Contract Processing
- Purchase Estimate Processing
- Vendor Receipts/Performance
- Delegations Management
- Inventory/Fiscal Management

A planned enhancement to SLAMM is OPTIM (Office of Procurement, Traffic, and Inventory Management) to interface with SLAMM and replace the current DSG warehouse inventory system. OPTIM will also manage the shipment (traffic) of these commodities.

HARDWARE:

Processor: IBM 370/168
 Amdahl 470/V7
Storage: IBM 3330 and 3350
Terminals: None
Input: Data 100 RJE
Output: IBM Laser 3200 and 3800

SOFTWARE:

Operating System: JES 3 - MVS
Programming Language: COBOL

DOCUMENTATION:

Documentation for SLAMM includes record layouts, input forms, print charts, operations manuals and user guide. System flowcharts are incomplete.

CONTACT:

Bill Fuller
SLAMM Project Coordinator
Department of General Services
1823 14th Street
Sacramento, California
(916) 322-7030

**Florida Department of Corrections
INVENTORY CONTROL SYSTEM**

DESCRIPTION:

The "Inventory Control System" of the Florida Department of Corrections is actually a "balance of stores" or "physical goods inventory" accounting system designed by the staff and developed by the Tallahassee branch of the Olivetti Corporation of America. The system is operational at each of sixteen facilities within the Florida Department of Corrections on Olivetti A-6 or BCS 2030 minicomputers.

Data is input manually into the system via the equipment keyboard by Bookkeeping Machine Operator spending approximately 8-10 hours per day operating the system. Reports generated by the system are:

- 1) Full Inventory Report - daily or weekly (as required) listing of the master inventory file by inventory item number.
- 2) Reorder Report - listing of inventory items above or below set minimum/maximum levels.
- 3) Recap Report - produces a monthly audit trail report of all inventory transactions for that time period.
- 4) Summary Report - summarization for the Department's central accounting office of all inventory usage by class and sub-class of item; totals are used as input into the state accounting system.

No enhancements to the system are planned, although it is anticipated that the entire system will be rewritten in BASIC in the near future.

HARDWARE:

Processor: Olivetti A-6 or BCS minicomputer (8K)

Storage: Two (2) 256K diskette drives

Terminals: None

Input: Built-in typewriter keyboard (key to disk)

Output: 100 character per second bi-directional printer

SOFTWARE:

Operating System: Machine-specific to Olivetti A-6 or BCS 2030

Programming Language: Olivetti Basic Assembler Language

Special Considerations: Software is available for lease or purchase from either the Florida Department of Corrections or Olivetti, providing the recipient agency has or is willing to purchase or lease Olivetti hardware.

DOCUMENTATION:

Full, written system documentation is available and up-to-date, with the exception of copies of source documents and definitions of certain codes used to identify inventory items.

CONTACT:

Ray Ferrari
Chief, Bureau of Management Services
1311 Winewood Boulevard
Tallahassee, Florida 32301
(904) 488-6316

**Maine Department of Mental Health and Corrections
CAPITAL ASSET ACCOUNTING SYSTEM (CAAS)**

DESCRIPTION:

The Maine Department of Mental Health and Corrections' "Capital Asset Accounting System" consists of three (3) files:

- Findings List and Validity Tables -contains an identification number, standard descriptors, and average life of property owned by the state. This file contains acceptable parameters relating to location and cost centers for each department of the system.
- Asset Master Record -file contains the records for current capital asset status of all property. All reports, except annual equipment report, are generated from data contained in this file.
- Cumulative Transaction File - contains all transactions posted to the Asset Master Record with beginning balances for the year. This file's primary purpose is to provide time-related data covering changes to the master file.

Reports generated by the system include:

- Daily Update Changes
- Error Reports
- Control and Balance Reports
- Detail Reports
- Summary Reports
- Inventory Verification
- Depreciation Reports by Straight-Line Method
- Equipment Reconciliation Report
- Findings List By Character and Object
- Findings List by Descriptor

HARDWARE:

Processor: Honeywell 6000

Storage: Honeywell MS-450 disk

Terminals: None

Input: Not Reported

Output: Honeywell PRT 301 600 lines per minute printer

SOFTWARE:

Operating System: Not Reported

Programming Language: COBOL

DOCUMENTATION:

Full and complete system documentation is available with the exception of flowcharts. Written user and operations manuals as well as training aids are also available.

CONTACT:

Norm Rodrigue
Management Analyst
Information Services Division
Maine Department of Mental Health and Corrections
Room 411, State Office Building
Augusta, Maine 04333
(207) 289-3161

**Michigan Department of Corrections
STATE INVENTORY CONTROL SYSTEM**

DESCRIPTION:

The Michigan Department of Corrections' "State Inventory Control System" is a physical goods inventory application operated by the Michigan Department of Health. Administration for the corrections portion of the system comes from the Michigan Department of Corrections. While the system is batch-oriented, data is entered through IBM 3741 Data Stations via dial-up lines to an IBM System/3 Model 12. One person is assigned at each data entry site and supported by a small operations staff at the computer site.

Reports generated by the system include:

- 1) Stock Status Report - provides a complete record of all supplies and materials on hand in institutional inventory.
- 2) Below Minimum Balance Report - provides a print-out of those items in inventory which fall below the minimum reorder point as shown on the Stock Status Report.
- 3) Purchase Cycle Report - provides an individual commodity group print-out for items on a specific buying cycle for the institution, showing items to be ordered on a definite date.
- 4) Over Maximum Report - this report is a by-product of the Stock Status Report which provides a print-out of all items on hand in excess to the maximum limits established by the institution.
- 5) Transaction Register - this is a report which is a perpetual in and out record of all inventory transactions for the month.

No enhancements to the system are planned at this time.

HARDWARE:

Processor: IBM System/3 Model 12 (64K)

Storage: Two (2) IBM 3040 disk drives

Terminals: 3 IBM 3741 Data Station

Input: Same as terminals

Output: IBM 1403 600 lines per minute printer

SOFTWARE:

Operating System: Not Reported

Programming Language: RPG II

DOCUMENTATION:

Full system documentation is available, but is considerably out of date. User manuals are practically non-existent. Partial operations documentation does exist.

CONTACT:

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Lansing, Michigan
(517) 373-3925

North Carolina Department of Corrections
ACCOUNTING SYSTEM

DESCRIPTION:

The North Carolina Department of Corrections' "Accounting System" is comprised of seven (7) subsystems. They are:

- Budget Subsystem
- Accounts Payable Subsystem
- Inmate Welfare Funds Accounts Payable Subsystem
- Operating Inventory Subsystem
- Equipment Inventory Subsystem
- Enterprise Inventory Subsystem
- Work Release Accounting Subsystem

The SCRMS Inventory Control System functions are maintained in the "Operating Inventory Subsystem" and the "Equipment Inventory Subsystem" of the master North Carolina Accounting System. The "Operating Inventory Subsystem" provides inventory reports for control of supplies used by prison units. The "Equipment Inventory Subsystem" provides daily and monthly reports pertaining to the use of equipment.

Reports generated by the systems include:

- Invoices
- Summary Total of Invoices
- Monthly Issues List
- Charge Summary Reports
- Yearly Issues List
- Physical Inventory Report
- Cost Inventory Check Listing
- Equipment File Listings by a) equipment numbers, b) serial numbers, c) license numbers
- Equipment Closing Report by Location
- Mileage Report
- Cost of Vehicle Operation
- Equipment Transactions
 - a) Purchases
 - b) Retirement
 - c) Transfers In
 - d) Transfers Out

HARDWARE:

Processor: Univac 9060

Storage: Univac 8433 1 megabyte disk drives (6)

Terminals: None

Input: Mohawk 1200 - 9 station key-to-tape

Output: Univac 770 1400 lines per minute printer (2)

SOFTWARE:

Operating System: VS 9 - REL 5

Programming Language: BAL

DOCUMENTATION:

Documentation on this portion of the system is indicated as only partial, including output reports and a narrative discussion of the system.

CONTACT:

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North Carolina Department of Corrections
840 W. Morgan Street
Raleigh, North Carolina 27603
(919) 733-4926

Texas Department of Corrections
FISCAL SYSTEM

DESCRIPTION:

The Texas Department of Corrections' in-house designed and operated "Fiscal System" is made up of several component parts. They are:

- Budget Subsystem
- General Ledger Subsystem
- Fixed Assets Subsystem
- Vehicle Expense Subsystem
- Construction Material Purchase Control Subsystem
- Accounts Receivable Subsystem
- Food Service Subsystem
- Medical Inventory Subsystem
- New Construction Inventory Subsystem
- Prison Store Inventory Subsystem
- Food Service Inventory Subsystem
- Cotton Bale Accounting Subsystem
- Mailing Labels Subsystem
- Aircraft Subsystem
- Local Funds Accounting Subsystem

All of the components are integrated and operate on the department's IBM 370/135 system. All systems and subsystems are essentially documented at the same level of detail.

The SCRMS Inventory Control System functions are maintained in the "Fixed Assets," "Medical Inventory", "New Construction Inventory", "Prison Store Inventory", and "Food Service Inventory" subsystems.

Fixed Assets Subsystem: The Fixed Assets Subsystem feeds information directly into the General Ledger system. All components of the subsystem are fully operational. Reports generated by the subsystem include:

- Yearly Fixed Asset Inventory by Location
- Weekly Transaction Report for new acquisitions, transfers, etc.
- Monthly Journal - type reports
- Special Request Reports for appropriation, fund, etc.

Medical Inventory Subsystem: The Medical Inventory Subsystem is fully operational and on-line. This subsystem functions by maintaining three master files (medical supply inventory, unit medical supply budget, and a back order file) and a transaction history file. Reports generated by the subsystem include daily reports on transactions not updated, medical inventory status, unit medical budget and a medical inventory activity report showing beginning balances, all transactions, and ending balances. A listing of items below the order point is produced on a monthly basis. Annual reports are the medical formulary which is a detail listing of the inventory with item class sub-totals and the class summary report which is a listing of class total only.

New Construction Inventory Subsystem: This system is fully operational and on-line. The subsystem functions through maintenance of a master inventory file and a transaction history file. Reports generated by the system include:

- o Daily Perpetual Inventory Listing
- o Daily Shipping Tickets Listing
- o Monthly Activity Report
- o Year-to-Date Activity Report.

Prison Store Inventory Subsystem: This subsystem consists of a master file and a transaction history file. The update transactions and the reports are the same as for new construction, except that they are for prison store items.

Food Service Inventory Subsystem: The Food Service Inventory Subsystem is fully operational and on-line. The food inventory records reside on the same file as the prison store with updating and reporting done separately. The update transactions are merged into the prison store history and reported from there with Food Service report programs. Reports generated by the system include:

- o Daily Perpetual Inventory Listing
- o Daily Shipping Tickets Listing
- o Monthly Activity Reports
- o Year-to-Date Activity Reports
- o Master Inventory Status Report - On Request

HARDWARE:

Processor: IBM 370/135

Storage: IBM 3330 disk drives (6), IBM 3420 tape drives

Terminals: IBM 3277 (9), Telex (18)

Input: Inforex Terminals, IBM 2540 Card Reader - punch (1)

Output: IBM 1403 printer

SOFTWARE:

Operating System: Not Reported

Programming Language: COBOL

DOCUMENTATION:

Systems and subsystems are documented to the extent that flowcharts, record layouts, input forms, and report layouts are available.

CONTACT:

Lonnie J. Eslick
Director, Information Systems
Texas Department of Corrections
Box 99
Huntsville, Texas 77310
&713) 295-6371

V. FOOD SERVICES SYSTEMS

**Texas Department of Correction
FISCAL SYSTEM**

DESCRIPTION:

The Texas Department of Corrections' in-house designed and operated "Fiscal System" is made up of several component parts. They are:

- Budget Subsystem
- General Ledger Subsystem
- Fixed Assets Subsystem
- Vehicle Expense Subsystem
- Construction Material Purchase Control Subsystem
- Accounts Receivable Subsystem
- Food Service Subsystem
- Medical Inventory Subsystem
- New Construction Inventory Subsystem
- Prison Store Inventory Subsystem
- Food Service Inventory Subsystem
- Cotton Bale Accounting Subsystem
- Mailing Labels subsystem
- Aircraft Subsystem
- Local Funds Accounting Subsystem

All of the components are integrated and operate on the department's IBM 370/135 system. All systems and subsystems are essentially documented to the same level of detail.

The SCRMS Food Services System functions are maintained in the "Food Service" and "Food Service Inventory" subsystems of the master Texas Fiscal System.

Food Service Subsystem: This fully operational subsystem serves to figure food costs of inmates. A food service commodity and usage file is utilized, with both files maintained on a fiscal year basis. The commodity file contains a record for each commodity item with item number, description, unit of measure and price per unit. The usage file contains unit code, date the report covers, and quantities used. Reports generated by the subsystem include:

- Commodity Price List
- Analysis of Food Consumed
- Food Cost Analysis
- Unit Summary
- Overall Food Service Analysis

Food Service Inventory Subsystem: The Food Service Inventory Subsystem is fully operational and on-line. These records are on the same file as the Prison Store Inventory Subsystem, with updating and reporting done separately. Update transactions are merged into the prison store history and reported with Food Service report programs.

HARDWARE:

Processor: IBM 370/135
Storage: IBM 330 disk drives (6), IBM 3420 tape drives
Terminals: IBM 3277 (9), Telex (18)
Input: Inforex Terminals, IBM 2540 Card Reader - punch (1)
Output: IBM 1403 printer

SOFTWARE:

Operating System: Not Reported
Programming Language: COBOL

DOCUMENTATION:

Systems and subsystems are documented to the extent that flowcharts, record layouts, input forms, and report layouts are available.

CONTACT:

Lonnie J. Eslick
Director, Information Systems
Texas Department of Corrections
Box 99
Huntsville, Texas 77310
(713) 295-6371

**Wisconsin Division of Corrections
FOOD SERVICES SYSTEM**

DESCRIPTION:

The Wisconsin Division of Corrections' "Food Services System" is comprised of two applications:

- Meal Plan - using any one of five diets selected by the facility, this application provides Department of Health and Social Services (DHSS) staff and facility food management personnel with a listing of available foods, respective serving frequency, and amounts to provide a balanced nutritional diet. This plan is produced on a monthly basis.
- Bakery Model - similar to Meal Plan except that sixteen combinations of the meal plan can be produced from combinations of five bakery plans with the five diet plans previously mentioned.

The system is reported to be fully operational, but not currently implemented due to a lack of procedural documentation. The system was written in COBOL approximately twelve years ago and when implemented will run on the Department of Administration's IBM 3033 system under MVS. Input is to be accomplished via utilization of existing Entrex System 380's key-to-disk. Output reports generated by the system include listings which, based on the combination of diet and bakery plans, gives type of food, cost, nutritional value, amounts, and number of servings per month. This "meal plan" is used as a guide and may be changed at the facility's discretion. The institutions provide inventory balances and population changes as inputs to the system, and new meal plans are produced bi-monthly. The Department of Health and Social Services orders certain foods on the difference between the facility inventory balance and plan requirements.

HARDWARE:

Processor: IBM 3033

Storage: IBM 330, 3350 disk drives

Terminals: Not Applicable

Input: Entrex system 380 key-to-disk

Line Printers: IBM 3211, 1403

SOFTWARE:

Operating System: IBM Release 3.7 of MVS

Programming Language: COBOL

Special Considerations: The age of the system and lack of documentation make it extremely difficult to understand the interworkings of the programs. Even current staff in Wisconsin indicate a lack of complete understanding of the system on their part.

DOCUMENTATION:

Relatively good system documentation is available. The documentation, however, is spotty, out of date, and lacks functional specifications. No user or operations manuals exist.

CONTACT:

Jean Sannes
Department of Health and Social Services
1 West Wilson, Room 830
Madison, Wisconsin
(608) 266-9681

VI. PRISON INDUSTRY SYSTEMS

**California Correctional Industries
CORRECTIONAL INDUSTRIES ORDER ENTRY SYSTEM**

DESCRIPTION:

The California "Correctional Industries Order Entry System" is unique in that it is one of the few systems written in BASIC. The system operates on a BASIC 4 computer model 410 with software developed by Syscom Computing of Mountain View, California. Essentially the system performs the following functions:

- Customer Order Processing
- Finished Goods and Raw Materials Inventory
- Accounts Receivable
- General Ledger
- Bills of Materials
- Production Control
- Material Requirement Planning

An extensive set of reports is generated by the system covering daily, weekly, monthly, semi-annual, and annual activities. Reports can also be generated on a year-to-date basis. Examples of reports generated by the system include:

- Semi-annual Forecast Analysis (year-to-date)
- Invoice Register
- Cash Receipts Register
- Summary Forecast Analysis
- Customer Sales Analysis
- Monthly Forecast Analysis
- Stock Status Report

HARDWARE:

Processor: Basic 4 Model 410 (64K)

Storage: 21 megabyte disk drive
9.2 megabyte tape cartridge

Input: Not Reported

Output: 300 lines per minute printer

SOFTWARE:

Operating System: Not Reported

Programming Language: BASIC

Special Considerations: Software was developed by Syscom Computing of Mountain View, California.

DOCUMENTATION:

Full, extensive system documentation is available including Operations Manuals and training aids.

CONTACT:

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California Correctional Industries
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Sacramento, California 95814
(916) 445-6883

Iowa State Industries, Division of Corrections
IOWA STATE INDUSTRIES SYSTEM

DESCRIPTION:

All system segments of the "Iowa State Industries System" are operational. The system was designed as four (4) segments: General Ledger, Accounts Receivable, Sales, and Inventory Control, using a software package purchased from NCR called "Interactive Manufacturing Control System" (IMCS-II) as the basis for the total system. This software package provides the bill of materials, routing, and planning application of the system.

Planned enhancements to the current system include the development and implementation of Inmate Payroll on the system. Also, because of the growing concern that the current NCR 499 is becoming obsolete, the system is being converted over to the NCR 8200 hardware.

Reports generated by the system include:

- o Accounts Receivable
- o Account Aging Reports
- o Accounts Payable
- o Procurement Encumbrances
- o Voucher (for payment of invoices)
- o Inventory Usage
- o Stock Status
- o Inventory Disbursement
- o Inventory Listing (of equipment: acquisition date, cost, location)
- o Inventory Depreciation
- o Salesperson Analysis Report

HARDWARE:

Processor: NCR 499 (32K), NCR 8200 (128K)

Storage: NCR 656 disk drives (4)

Terminals: None

Input: Not reported

Output: NCR Matrix 349-300 printer

SOFTWARE:

Operating System: Not reported

Programming Language: NCR 499 - "NCR 499 Language"
NCR 8200 - COBOL

CONTACT:

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Maryland Division of Corrections

STATE USE INDUSTRIES (SUI) ACCOUNTING AND MANAGEMENT SYSTEM*

DESCRIPTION:

The "State Use Industries (SUI) Accounting and Management System" is to be operated by the State Use Industries unit of the Maryland Division of Corrections. The system is currently non-operational but is based on a software package developed and marketed by IBM entitled "IBM System/34 - Manufacturing Accounting and Production Information Control System (MAPICS)." The software package contains the following applications:

- Order Entry/Invoicing
- Inventory Management
- Production Control/Costing
- Product Data Management
- Material Requirements Planning
- Accounts Receivable
- Accounts Payable
- General Ledger
- Sales Analysis

The above applications have been chosen for use by the State Use Industries unit, and are shown in the planned order of implementation.

Initial data entry will be interactive from local terminals with some form of key-to-diskette in the future. Reports generated by the system have not been defined as of yet. It is estimated that manpower requirements for the full system will be one system operator for four hours per day and one data entry operator for eight hours per day. No enhancements beyond the original applications have been planned at this time.

Hardware Considerations

Processor: IBM System/34 (96K)

Storage: One or two internal disk drives giving from 8.6 megabytes to 128.4 megabytes of storage.

Terminals: Two (2) IBM 5251 Display Stations

Input: Same as terminals

Output: IBM 5211 300 line per minute printer

SOFTWARE:

Operating System: Not Reported

Programming Language: RPG II

Special Considerations: Software carries a \$7-8,000 per year license fee to IBM.

* Anticipate system to be operational July 1, 1980.

DOCUMENTATION:

Full and extensive documentation is available, with the exception of output requirements and print layouts. An initial design which provides the functional specifications for the system was developed by a consultant. Corrections staff is preparing the input/output requirements documentation, with IBM providing everything else. All user and operations manuals are provided by IBM.

CONTACT:

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North Carolina Department of Corrections
ACCOUNTING SYSTEM

DESCRIPTION:

The North Carolina Department of Corrections' "Accounting System" is comprised of seven (7) subsystems. They are:

- Budget Subsystem
- Accounts Payable Subsystem
- Inmate Welfare Funds Accounts Payable Subsystem
- Operating Inventory Subsystem
- Equipment Inventory Subsystem
- Enterprise Inventory Subsystem
- Work Release Accounting Subsystem

The SCRMS Prison Industries System functions are maintained in the "Enterprise Inventory Subsystem" of the master North Carolina Accounting System. The "Enterprise Inventory Subsystem" provides inventory reports of finished goods and raw materials for control of supplies and for preparing finished products. Reports generated by the subsystem include:

- Inventory Reports of Raw Materials and Finished Goods
- Invoices
- Journal Entry Reports

HARDWARE:

Processor: Univac 9060

Storage: Univac 8433 1 megabyte disk drives (6)

Terminals: None

Input: Mohawk 1200 - 9 station key-to-tape

Output: Univac 770 1400 lines per minute printer (2)

SOFTWARE:

Operating System: VS 9 - REL 5

Programming Language: BAL

DOCUMENTATION:

Not Reported.

CONTACT:

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**Texas Department of Corrections
FISCAL SYSTEM**

DESCRIPTION:

The Texas Department of Corrections' in-house designed and operated "Fiscal System" is made up of several component parts. They are:

- Budget Subsystem
- General Ledger System
- Fixed Assets Subsystem
- Vehicle Expense Subsystem
- Construction Material Purchase Control Subsystem
- Accounts Receivable Subsystem
- Food Service Subsystem
- Medical Inventory Subsystem
- New Construction Inventory Subsystem
- Prison Store Inventory Subsystem
- Food Service Inventory Subsystem
- Cotton Bale Accounting Subsystem
- Mailing Labels Subsystem
- Aircraft Subsystem
- Local Funds Accounting Subsystem

All of the components are integrated and operated on the department's IBM 370/135 system. All systems and subsystems are essentially documented to the same level of detail. The SCRMS Prison Industry System function is the "Cotton Bale Accounting" subsystem of the master Texas Fiscal System.

Cotton Bale Accounting Subsystem:

This subsystem consists of a cotton bale master file and a history of cotton bales for prisoner years. The master file contains records on all cotton harvested in the current year, as well as all cotton from previous years that remains in storage in the warehouses. Information kept in the cotton bale master record includes tag number, unit code, gin number, gained weight, warehouse number, etc. Daily or on request, all the records are reported by unit showing totals gained, shipped, received, sold or used by unit.

HARDWARE:

Processor: IBM 370/135

Storage: IBM 3330 disk drives (6), IBM 3420 tape drives

Terminals: IBM 3277 (9), Telex (18)

Input: Inforex Terminals, IBM 2540 Card Reader - punch (1)

Output: IBM 1403 printer

SOFTWARE:

Operating System: Not Reported

Programming Language: COBOL

DOCUMENTATION:

Systems and subsystems are documented to the extent that flowcharts, record layouts, input forms, and report layouts are available.

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**Wisconsin Division of Corrections
CORRECTIONS INDUSTRIES SYSTEM**

DESCRIPTION:

The Wisconsin Division of Corrections' "Corrections Industries System" is a Corrections Industries program development that contains four components:

- Production Tracking
- Resident Payroll
- Affirmative Action (E.E.O.C.)
- Employee Skills Summary

All parts of the system are operational except the Employee Skills Summary component. The system is written in RPG and currently operates on NCR Century 50 hardware. Data is keypunched, verified, and entered via a card reader. Outputs generated by the Production Tracking System include reports, industry wide, by specific industry, salesman, due date, etc., as well as essential production status replies through which the various industries report production flow. Most reports are generated on a weekly basis. Payroll system reports include all standard payroll applications with Affirmative Action reporting generated each month.

The system is fully documented and is operated by residents working a standard forty hour work week. Staff for the system is as follows:

- Two (2) full-time computer operators
- One (1) Data Control Clerk
- Five (5) Keypunch Operators
- Seven (7) Programmers
- Three (3) Systems Analysts

Enhancements to the system are planned for both hardware and software. Corrections Industries will soon acquire a Data General 4X minicomputer to replace the current system. It is anticipated that all software will be rewritten in Basic and allowance will be made for remote data entry from various industry shops. An Inventory Control System is currently under development and will be implemented under the new hardware system. Other applications planned include expanding the Production Tracking System into a Production Planning System with links to inventory via the bill of materials and a Budgetary Accounting System with sub-applications in Purchasing, Accounts Payable, Accounts Receivable, Budget Control, Revenue Reports, and Profit and Loss Reporting.

HARDWARE:

Processor: NCR Century 50 (16K)
Storage: Two (2) 4.2 megabyte disk drives
Terminals: Not Applicable
Input: 100 card per minute reader
Output: 125 lines per minute drum printer

SOFTWARE:

Operating System: Not Reported
Programming Language: RPG

DOCUMENTATION:

Full system documentation is available. No user manuals exist. An operations manual for the Production Tracking System is available.

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END